

CIP EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION:

CONTACT DEPARTMENT(S):

Austin Water Utility

SUBJECT. Authorize ratification of a construction contract with EXCEL CONSTRUCTION SERVICES, LLC, for South Austin Regional Wastewater Treatment Plant Trains A & B and Lift Station #2 Emergency Repairs, in the amount of \$556,000 plus a \$27,800 contingency, for a total contract amount not to exceed \$583,800.

CURRENT YEAR IMPACT:

Department:	Austin Water Utility
Project Name:	Adp-Sar Train B Ras Return-Inlet Channel Restoration
Fund/Department/Unit:	4480 2307 8468
Funding Source:	AWU Fund Transfer
Current Appropriation:	675,000.00
Unencumbered Balance:	675,000.00
Amount of This Action:	<u>(583,800.00)</u>
Remaining Balance:	<u>91,200.00</u>
Total Amount of this Action	<u><u>583,800.00</u></u>

ANALYSIS / ADDITIONAL INFORMATION: The South Austin Regional Wastewater Treatment Plant (SAR) consists of three parallel treatment trains; Trains A, B, and C. Treatment Train A was placed on line in 1986. Construction of Treatment Train B was completed in late 1988 and Treatment Train C was completed in 2005. The three units are collectively rated to process an average daily wastewater flow of 75 million gallons per day (MGD). However, due to recent mechanical failures within the aging facility, the treatment plant can only process approximately 50 MGD. As the current average daily flow of sewage into the plant is on the order of 42.5 MGD, very little reserve capacity is available to accommodate variations in flow that naturally occur due to rain events, or to handle other events such as unforeseen equipment failures. This is an emergency situation because if the capacity of the facility is not restored, there is a distinct probability that a high flow situation or plant upset will result in the release of partially treated or raw sewage presenting a threat to the public health and safety. Significant rain events are common this time of year, increasing the probability of high flow at the treatment plant and the probability of exceeding the hydraulic capacity of the plant. The emergency repairs will require significant time to complete due to the fact that several of the work items require long lead times to fabricate and deliver. Failure of the treatment process would result in the release of partially treated or raw wastewater into the Colorado River, posing a serious threat to the public health and safety and to the environment.

City engineers reviewed the situation and determined that repair and replacement of certain components of the treatment process would be required to restore the capacity of the plant. This includes replacement of air piping in Treatment Train B, replacement of a clarifier drive in Treatment Train A and repair of a 30-inch valve in Lift Station #2. Due to the impending health and safety risks posed by the failure of the treatment system, the City sought bids for this work on an emergency basis. Two contractors were invited to bid on the work and sealed bids were opened after a two week bid process.

Due to the potential for unforeseen conditions on this project, a 5% contingency in funding has been included to allow for the expeditious processing of any change orders.

The contract allows 300 working days for completion of this project. This project is located within zip code 78617 and is managed by the Public Works Department.