CIP
EXPENSE DETAIL

CONTACT DEPARTMENT(S): Austin Water Utility

SUBJECT. Authorize negotiation and execution of a professional services agreement with CP&Y, INC. (staff recommendation) or one of the other qualified responders to RFQ Solicitation No. CLMP141, to provide engineering services for the South Austin Regional Wastewater Treatment Plant (SAR WWTP) Train A & B Improvements Project in an amount not to exceed $3,000,000

CURRENT YEAR IMPACT:

Department:	**Austin Water Utility**
Project Name:	Sar Replace Drives On A & B Clarifiers
Fund/Department/Unit:	4480 2307 8041
Funding Source:	AWU Fund Transfer
Current Appropriation:	3,010,000.00
Unencumbered Balance:	3,000,000.00
Amount of This Action:	(3,000,000.00)
Remaining Balance:	0.00
Total Amount of this Action	3,000,000.00

ANALYSIS / ADDITIONAL INFORMATION: The South Austin Regional Wastewater Treatment Plant (SARWWTP) has three treatment trains, Trains A, B, and C. Construction of Treatment Train A was completed in April of 1986. Immediately after that project, Treatment Train B was completed in late 1988. Initially, these two treatment trains were designed for 20 million gallons per day (MGD) each for a total design capacity of 40 MGD. In the early 1990's, SARWWTP was successful in getting each treatment train capacity rerated to 25 MGD, for a total plant capacity of 50 MGD, without the construction of additional treatment units. This rerating was approved based on plant performance and no further modifications were made to the facility.

Train A & B primary clarifiers, secondary clarifiers, chorine contact clarifier and related equipment are original process components and constructed approximately 27 and 25 years ago, respectively. The facilities are showing signs of deficiencies and deterioration affecting the operation of the clarifiers and need to be rehabilitated and/or replaced.

Additionally, Train B's pretreatment facility, process valves and gates, pumps, and electrical systems are experiencing degradation and need to be assessed for rehabilitation and/or replacement.

Engineering services are needed to review data of existing facilities, conduct a condition assessment of Train A & B clarifiers including structural steel and related components; conduct a concrete structural assessment of Train A primary and secondary clarifiers; and conduct a condition assessment of Train B pretreatment facility, scum