



## **AGENDA MEMORANDUM**

Future Item for the City Council Meeting of August 14, 2018  
Action Item for the City Council Meeting of August 21, 2018

**DATE:** July 13, 2018

**TO:** Keith Selman, Interim City Manager

**THRU:** Mark Van Vleck, Assistant City Manager  
markvv@cctexas.com  
(361) 826-3082

Valerie H. Gray, P. E., Executive Director of Public Works  
valerieg@cctexas.com  
(361) 826-3729

**FROM:** Jeff H. Edmonds, P. E., Director of Engineering Services  
jeffrey@cctexas.com  
(361) 826-3851

Dan Grimsbo, Director of Water Utilities  
dang@cctexas.com  
(361) 826-1718

**Professional Services Contract Amendment**  
**Allison WWTP Lift Station and Plant Improvements**  
**(Capital Improvement Program)**

**CAPTION:**

Motion to authorize execution of Amendment No. 3 to a professional services contract with Urban Engineering of Corpus Christi, Texas in the amount of \$578,396 for a total restated fee of \$1,490,918 for Allison Wastewater Treatment Plant (WWTP) Lift Station and Plant Improvements project.

**PURPOSE:**

This amendment will expand the scope of the project to address additional nitrification improvements and develop a comprehensive operation and maintenance manual.

**BACKGROUND AND FINDINGS:**

Allison WWTP was constructed in 1966 with the last major upgrade to the treatment process in 1984. It struggles to meet TCEQ permit levels. Allison WWTP experiences high concentration levels of Biochemical Oxygen Demand (BOD), Total Suspended Solids (TSS), and Ammonia-Nitrogen from an industrial source. The original design only included preliminary engineering to determine the levels and potential treatment options for BOD, TSS, Ammonia-Nitrogen. Preliminary engineering provided five (5) alternatives with the most cost-effective strategy of

Integrated Fixed-Film Activated Sludge (biological treatment process).

This amendment provides engineering and design phase services to modernize the treatment process to address high concentrations of BOD, TSS and Ammonia-Nitrogen. This amendment includes modeling to retrofit the existing plant with new technology and proposed upgrades to optimize operations, maintenance and capital improvements. The scope also includes development of comprehensive operations and maintenance manuals with training to assist plant personnel with optimal readiness and plant support.

The CIP 2018 / 2019 currently presents a budget of \$10.5 million. The proposed improvements require additional funding for a total of \$15 million. The additional funding will be programmed in CIP 2019 / 2020.

Urban Engineering was selected through RFQ 2012-03.

**ALTERNATIVES:**

1. Authorize execution of professional services contract amendment. (Recommended)
2. Do not authorize execution of contract amendment. (Not Recommended)

**OTHER CONSIDERATIONS:**

N/A

**CONFORMITY TO CITY POLICY:**

Complies with statutory requirements for professional services contracts. Conforms to FY 2018 Capital Improvement Planning (CIP) Budget.

**EMERGENCY / NON-EMERGENCY:**

Non-Emergency

**DEPARTMENTAL CLEARANCES:**

Utilities Department

**FINANCIAL IMPACT:**

☐ Operating      ☐ Revenue      ☒ **Capital**      ☐ Not applicable

<b>Fiscal Year 2017-2018</b>	<b>Project to Date Expenditures (CIP only)</b>	<b>Current Year</b>	<b>Future Years</b>	<b>TOTALS</b>
Budget	\$912,522	\$4,750,400	\$6,337,078	\$12,000,000
Encumbered / Expended Amount	912,522			293,600
<b>This item</b>		578,396		578,396
Future Anticipated Expenditures This Project			602,000	602,000
<b>BALANCE</b>		<b>\$4,172,004</b>	<b>\$5,735,078</b>	<b>\$9,907,082</b>

Fund(s): Wastewater CIP 2017 / 2018, items No. 6 and 7

**RECOMMENDATION:**

City staff recommend approval of Amendment No. 3.

**LIST OF SUPPORTING DOCUMENTS:**

Project Budget  
Location Map  
Presentation  
Amendment No.3