



**AGENDA MEMORANDUM**

Future Item for the City Council Meeting of August 28, 2018  
Action Item for the City Council Meeting of September 11, 2018

**DATE:** August 6, 2018

**TO:** President and Honorable Board Members,  
Corpus Christi Business and Job Development Corporation

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

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

**Professional Services Contract  
Kinney & Power Street Pump Station Improvements  
(CIP - Type A)**

**CAPTION:**

Motion to authorize execution of a professional services contract with Urban Engineering of Corpus Christi, Texas in the amount \$162,527 for Kinney & Power Street Pump Station Improvements project.

**PURPOSE:**

This project provides for an evaluation of downtown storm water collection system and the two existing pump stations (Kinney St. and Power St. Pump Stations) to determine the most cost-effective alternatives to increase pumping capacity and reliability.

**BACKGROUND AND FINDINGS:**

The downtown flood protection system is comprised of a storm water collection system with underground gravity lines that directly discharge into the Corpus Christi Bay (Bay) and Salt Flats Ditch. Some of the drainage flows are directed to two pump stations (Kinney and Power Street Pump Stations) that discharge into the Bay. The two pump stations are connected through a large concrete interceptor box that serves as additional underground storage and transfers flows to optimize capacity of both pump stations and basins.

A third pump station, Hughes Pump Station, was previously contemplated to increase the pumping capacity for the downtown area but was not implemented due to cost considerations. Preliminary analysis by FEMA's consultant indicates that increasing the pumping capacity could help to increase flood resiliency downtown and reduce the BFE that will be shown on the ultimate Flood Insurance Rate Map (FIRM).

Modeling indicates that the current system would not be keep up with inflows during a major storm

event. The study under this item will determine if there are cost-effective alternatives to enhance the capacity of the existing pumping system.

This project is an approved Capital Improvement Program (CIP) Public Health and Safety project that was approved by the Type A Board on August 20, 2018. Urban Engineering was selected through RFQ 2016-06.

**ALTERNATIVES:**

1. Authorize execution of professional services contract. (Recommended)
2. Do not authorize execution of contract. (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:**

Water Utilities Department  
Type A Board

**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		1,000,000	4,300,000	5,300,000
Encumbered / Expended Amount				
<b>This item</b>		<b>162,527</b>		<b>162,527</b>
Future Anticipated Expenditures This Project			291,500	291,500
<b>BALANCE</b>		<b>837,473</b>	<b>4,008,500</b>	<b>4,845,973</b>

Fund(s): Type A Funds

**RECOMMENDATION:**

Staff recommends execution of a professional services contract with Urban Engineering.

**LIST OF SUPPORTING DOCUMENTS:**

Project Budget  
Location Map  
Presentation  
Contract