



AGENDA MEMORANDUM

Future Item for the City Council Meeting of December 20, 2016
Action Item for the City Council Meeting of January 10, 2017

DATE: December 6, 2016

TO: Margie C. Rose, City Manager

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

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

FROM: Dan Grimsbo, Interim Director of Water and Utilities
DanG@cctexas.com
(361) 826-1718

Jeffrey H. Edmonds, P.E., Director, Engineering Services
JeffreyE@cctexas.com
(361) 826-3851

<p style="text-align: center;"><u>Engineering Design Contract</u> Lift Station Repairs Citywide 2017-2018 (Capital Improvement Program)</p>
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CAPTION:

Motion authorizing the City Manager, or designee, to execute an engineering design contract with Urban Engineering of Corpus Christi, Texas in the amount of \$145,500 for Lift Station Repairs Citywide 2017-2018 for design, bid and construction phase services. (Capital Improvement Program)

PURPOSE:

The purpose of this agenda item is to execute an engineering design contract for the Lift Station Repairs Citywide 2017-2018.

CIP DESCRIPTION: Lift Station Repairs Citywide

This project provides for implementation of a strategic lifecycle program for future lift station projects with funding requirements and cost benefit analysis for the City's 99 Lift Stations. The project identifies, prioritizes and implements specific capital improvement in a phased design and construction approach to extend lift station service life, reduce long-term maintenance costs, improve flows, and meet Texas Commission on Environmental Quality guidelines including reducing overflows and redundant systems.

BACKGROUND AND FINDINGS:

Many of the existing lift station systems are at the end of their useful life cycle with conditions that jeopardize reliable operations and service. City staff initiated City-Wide Lift Station Repairs program to identify, prioritize and implement specific Capital Improvement Projects (CIP) in a phased approach to recapitalize the lift stations. Each fiscal year (FY), this program evaluates and identifies a group of Lift Stations in need critical improvements that are most cost effective within the annual approved CIP FY funding limits. This program is critical to improve the operational capabilities, reduce overflows, maintain compliance with Texas Commission on Environmental Quality (TCEQ), and achieve reduced operational and maintenance costs.

In 2016-2017, the City has accomplished the design of repairing/upgrading seven lift stations, and the corresponding construction is scheduled to be complete in September 2017.

This is the second year for this program. This year (2016-2017), City Staff and Urban Engineering have identified 10 additional lift stations in need of critical improvements. The improvements and upgrades of these 10 lift stations are planned for completion in the fall of 2017.

This contract is for the design, bid and construction phase services to provide the engineering and design services to address improvements to 10 additional lift stations listed below. The typical improvements include replacement of various piping, valves, pumps and bases, guide rails, instrumentation and controls and other miscellaneous items. The engineer shall complete the necessary engineering and design to prepare the bid documents with required support for the bid and construction phases. The construction is planned for next FY pending approval and funding availability of the CIP.

- Rincon North Lift Station
- Rincon South Lift Station
- Schanen Lift Station
- Stillwell Lift Station
- Coastal Meadows Lift Station
- Park Road 53 Lift Station
- Kings Crossing Lift Station
- Magee Beach Lift Station
- North Beach 'B' Lift Station
- Port Pearse Lift Station

ALTERNATIVES:

1. Authorize the execution of the contract. (Recommended)
2. Do not authorize the execution of the contract. (Not Recommended)

OTHER CONSIDERATIONS:

Not applicable

CONFORMITY TO CITY POLICY:

Conforms to City Fiscal Policy.

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Utilities Department

FINANCIAL IMPACT:

Operating

☐ Revenue

☒ Capital

☐ Not applicable

Fiscal Year 2016-2017	Project to Date Budget & Expenditures	Current Year	Future Years	TOTALS
Line Item Budget		\$1,500,000		\$1,500,000
Encumbered / Expended Amount				
This Item		145,500		145,500
Future Anticipated Expenditures This Project		1,352,000		1,352,000
BALANCE		\$2,500		\$2,500

Fund(s): Wastewater CIP #10

Comments: This contract will result in expenditure not to exceed \$145,500.

RECOMMENDATION:

City Staff recommends approval of an engineering design contract with Urban Engineering of Corpus Christi, Texas in the amount of \$145,500 for the Lift Station Repairs Citywide 2017-2018 for design, bid and construction phase services. (Capital Improvement Program)

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Contract
Presentation
Form 1295