



AGENDA MEMORANDUM

Future Item for the City Council Meeting of October 20, 2015
Action Item for the City Council Meeting of October 27, 2015

DATE: September 30, 2015

TO: Ronald L. Olson, City Manager

THRU: Gustavo Gonzalez, P.E., Assistant City Manager, Public Works and Utilities
GustavoGo@cctexas.com
(361) 826-3897

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

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

Engineering Contract
Lift Station Repairs - Citywide

CAPTION:

Motion authorizing the City Manager, or designee, to add repairs at eight existing lift station locations to an engineering design contract by executing Amendment No. 2 with Urban Engineering of Corpus Christi, Texas in the amount of \$164,100 for a total restated fee not to exceed \$210,340 for the Lift Station Repairs – Citywide for engineering design services and support services in Bid and Construction phases.

PURPOSE:

The purpose of this agenda item is to obtain authority to execute a contract for the Lift Station Repairs, Citywide.

BACKGROUND AND FINDINGS:

Many of the existing lift station systems are at the end of their effective life cycle and are at a point that further deterioration jeopardizes operations and service. The City-Wide Lift Station Repairs program was implemented to identify, prioritize and construct specific Capital Improvement Projects (CIP) in a phased approach to the extent yearly funding allowed. Work is designed to recapitalize the lift stations to improve efficiency, operational and maintenance cost, reduce overflows, and remain compliant to Texas Commission on Environmental Quality (TCEQ) regulations. From 2011 to 2013, the Everhart and Staples Street Lift Station and Padre Island Lift Station were upgraded through this program. In February 2015, the City awarded Amendment No. 1, a small AE contract to Urban Engineering, to provide engineering services

for the odor emission control of Padre Island Section 4 Lift Station. The construction contract was approved by City Council in June 2015, and construction is underway on those repairs.

This A/E Amendment #2 provides for design of improvements to eight (8) additional lift stations including replacement of discharge piping, plug valves, check valves, pumps, pump bases, guide rails and accessories, and other miscellaneous items.

Based on the Utility Department's site investigation and the AE consultant's recommendations, the following eight lift stations were identified as priorities for rehabilitation based on their current physical status:

1. Leeward Lift Station;
2. Jackfish Lift Station;
3. Lake Padre South Lift Station;
4. Seahorse Lift Station;
5. Up River Road Lift Station;
6. Studebaker Lift Station;
7. Turtle Cove Lift Station; and
8. Brownlee Lift Station.

Under this contract specific work details include:

- The development of an inventory of existing conditions including field investigations to define specific areas of concern
- An evaluation with detailed scope of issues to be addressed for each lift station with preliminary construction costs and recommendations for review with City staff
- Development of design plans incorporating all issues with relevant solutions and potential conflicts
- Development of a control of flow plan for each lift station
- Development of design, bid and construction documents based on City staff direction

Urban Engineering has special engineering expertise in lift station design, and is very knowledgeable on the City's lift stations. This Amendment is to continue the program for systematic upgrades to the City's aging lift station infrastructure.

ALTERNATIVES:

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

OTHER CONSIDERATIONS:

None

CONFORMITY TO CITY POLICY:

Conforms to City Fiscal Policy and policy on procuring Professional Services.

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Utilities Department

FINANCIAL IMPACT:

Operating Revenue Capital Not applicable

Fiscal Year 2015-2016	Project to Date Expenditures	Current Year	Future Years	TOTALS
Line Item Budget	\$2,879,780	\$2,000,000		\$4,879,780
Encumbered / Expended Amount	1,053,800			1,053,800
This Item		164,100		164,100
Future Anticipated Expenditures This Project		2,303,196		2,303,196
BALANCE	1,825,980	-467,296		\$1,358,684

Fund(s): Waste Water CIP #9

Comments: This project requires approximately 660 calendar days. Design will be completed in May 2016 with construction anticipated to begin in September 2016 and anticipated completion in August 2017. The amendment will result in the expenditure of an amount not to exceed \$164,100.

RECOMMENDATION:

City Staff recommends approval of Amendment No. 2 to the engineering contract with Urban Engineering of Corpus Christi, Texas in the amount of \$164,100 for a total restated fee not to exceed \$210,340 for the Lift Station Repairs – Citywide for engineering design services and support services in Bid and Construction phases.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Contract
Presentation