



AGENDA MEMORANDUM

Future Item for the City Council Meeting of October 18, 2016
Action Item for the City Council Meeting of October 25, 2016

DATE: September 28, 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

<u>Engineering Design Contract</u>

Padre Island Water and Gas Pipeline Extension Phase 3

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 \$197,833 for the Padre Island Water and Gas Pipeline Extension Phase 3 for design, bid and construction phase services.

PURPOSE:

The purpose of this Agenda Item is to execute an engineering design contract for the Padre Island Water and Gas Pipeline Extension Phase 3.

CIP DESCRIPTION: Padre Island Water and Gas Pipeline Extension Phase 3

This project provides for the final section to extend the 18-inch water transmission main, 8-inch gas pipeline and 4-inch MIS conduit on Padre Island from approximately Aquarius to the Sand Dollar Pumping Station.

BACKGROUND AND FINDINGS:

This is Phase 3 of the project to extend the water transmission line, natural gas transmission line and Municipal Information Systems (MIS) conduit on Padre Island from approximately

Aquarius to the Sand Dollar Water Pump Station. The water line is a redundant 18-inch transmission main to ensure uninterrupted service for line maintenance. The 8-inch gas line extension provides a new service for a future Natural Gas Station. The 4-inch MIS conduit provides new service to the area.

These new utility services are critical to meet the current and future demands for Padre Island and surrounding communities. Currently, water service is a single transmission line and water services must be shut down for maintenance or repairs. The second transmission line allows better reliability and reduced maintenance and repair costs. Currently, the City provides natural gas service to the Padre Island community through a third party pipeline. This new gas line will provide a more reliable and cost effective solution, replacing the need for third party service.

Previous Phases 1 and 2 to extend utility services from Laguna Shores Road to Aquarius Drive on Padre Island are complete. Phase 1 provided the extension across the Laguna Madre from Laguna Shores to the JFK Landing. Phase 2 extended the lines from the Landing to Aquarius Street. These projects were initially identified as separate projects for water and gas but were combined to streamline the projects with cost savings and less impact to wetlands and adjacent roads, services, etc. The City had planned to build a future natural gas station at the terminus of Aquarius Street, but was unable to purchase the required land. Phase 3 work will now extend both lines to city-owned land at the Sand Dollar Pump Station site.

This item is for the engineering and design services required and is based on Time and Materials for actual cost incurred by the Engineer. The Engineer will submit monthly invoices with required documentation demonstrating the time and cost incurred. Urban Engineering is the Engineer selected for the project under Request for Qualifications No. 2016-01. Urban also successfully performed the design for both previous phases.

ALTERNATIVES:

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

OTHER CONSIDERATIONS:

This is a Time & Materials contract. The Consultant Engineer shall submit monthly invoice which includes brief descriptions for daily job-related activities, daily man hours and rates for each project member spent on each project phase.

CONFORMITY TO CITY POLICY:

Conforms to City Fiscal Policy. This item requires a 2/3 vote as per Charter requirements.

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 (Gas CIP)		\$843,769		\$843,769
Line Item Budget (Water CIP)		\$1,292,218	\$1,000,000	\$2,292,218
TOTAL BUDGET		\$2,135,987	\$1,000,000	\$3,135,987
Encumbered / Expended Amount				
This Item		\$197,833		\$197,833
Future Anticipated Expenditures This Project		\$1,938,154	\$580,652	\$2,518,806
BALANCE		\$0	\$419,348	\$419,348

Fund(s): Gas CIP #3 & Water CIP #23

Comments: This contract will result in an expenditure not to exceed \$197,833.**RECOMMENDATION:**

City Staff recommends approval of the engineering design contract with Urban Engineering of Corpus Christi, Texas in the amount of \$197,833 for the Padre Island Water and Gas Pipeline Extension Phase 3 for design, bid and construction phase services.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Contract
Presentation
Form 1295