



AGENDA MEMORANDUM

Future Item for the City Council Meeting of February 23, 2016
Action Item for the City Council Meeting of March 8, 2016

DATE: February 12, 2016

TO: Ronald L. Olson, City Manager

THRU: Mark Van Vleck, P.E., Assistant City Manager, Public Works and Utilities
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Engineering Contract

Laguna Shores Road Force Main Replacement

CAPTION:

Motion authorizing the City Manager or designee to proceed with design phase work by executing Amendment No. 1 with LJA Engineering, Inc. of Corpus Christi, Texas in the amount of \$479,977.31 for a total restated fee not to exceed \$529,817.31 for Laguna Shores Road Force Main Replacement.

PURPOSE:

The existing engineering contract covered investigation, alternatives evaluation and preliminary engineering work. The purpose of this agenda item is to obtain authority to execute an amendment to that professional service contract to include detailed design, permitting, bid phase support and construction phase services for necessary wastewater collection improvements in the Laguna Shores Road area.

BACKGROUND AND FINDINGS:

This project will address wastewater conveyance capacity deficiencies and reliability issues in the Laguna Shores Road corridor. This project will allow the decommissioning and replacement of a substandard lift station and an inverted siphon under SPID that have been a source of sanitary sewer overflows.

The existing 10-inch force main was constructed in 1975 and was removed from service due to aging and deterioration. Currently, there is only one 18-inch active force main in service along Laguna Shores Road to Laguna Madre Wastewater Treatment Plant (WWTP). To meet wastewater flow capacity and allow proper maintenance, two lines are required to convey

wastewater flows.

This project provides for replacement of the existing 10-inch wastewater force main along Laguna Shores Road from Graham Road to Laguna Madre WWTP. The new force main is required to convey partial Flour Bluff wastewater flows from the Laguna Shores Lift Station to the Laguna Madre WWTP.

This contract provides for engineering services to prepare construction documents to replace the existing force main and other associated improvements from Graham Road to the Laguna Madre WWTP. The scope of work will include the following major elements:

- Construct a new force main paralleling Laguna Shores Road from Graham Road to Laguna Madre WWTP;
- Construct inter-connects between the new force main and the existing force main from Graham Road to the Laguna Madre WWTP;
- Construct a new Gateway Lift Station and associated new gravity wastewater infrastructure necessary to take offline the existing siphon wastewater line beneath SPID;
- Install flow meters at the following lift station (LS) locations: Riviera LS, Laguna Shore LS, Waldron LS, Flour Bluff LS and new Gateway LS.

LJA Engineering, Inc. (previous RVE, Inc.) was selected for this project through RFQ No. 2011-05. Selection was based upon qualifications and their specific experience with similar projects. The design phase is planned to be complete in February 2017 and construction is anticipated to take 13 months to complete.

ALTERNATIVES:

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

OTHER CONSIDERATIONS:

None

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 2015-2016	Project to Date Expenditures	Current Year	Future Years	TOTALS
Line Item Budget	\$90,400	\$6,526,400		\$6,616,800
Encumbered /	90,400			90,400

Expended Amount				
This Item		\$479,977		\$479,977
Future Anticipated Expenditures This Project		\$5,636,860		\$5,636,860
BALANCE	\$0	\$409,563		\$409,563

Fund(s): Wastewater CIP No. 3

Comments: This project requires approximately 840 calendar days with anticipated completion in June 2018. The amendment will result in the expenditure of an amount not to exceed \$479,977.31.

RECOMMENDATION:

City Staff recommends approval to proceed with design phase work by executing Amendment No. 1 with LJA Engineering, Inc. of Corpus Christi, Texas in the amount of \$479,977.31 for a total restated fee not to exceed \$529,817.31 for Laguna Shores Road Force Main Replacement.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Contract
Presentation