



AGENDA MEMORANDUM

Future Item for the City Council Meeting of August 29, 2017
Action Item for the City Council Meeting of September 12, 2017

DATE: September 7, 2017

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| <p><u>Professional Services Contract</u> Bridge Rehabilitation Project (Capital Improvement Program)</p> |
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CAPTION:

Motion authorizing the City Manager, or designee, to execute a professional services contract with LJA Engineering, Inc., of Corpus Christi, Texas in the amount of \$114,950 for the Bridge Rehabilitation project. (Capital Improvement Program) (CIP) The term of this agreement is for one year with option to extend for two additional one-year periods subject to the sole discretion of the City based on sufficient funding and successful performance by the engineering firm.

PURPOSE:

The purpose of this agenda item is to execute an engineering contract with LJA Engineering, Inc., for the Bridge Rehabilitation project.

BACKGROUND AND FINDINGS:

There are approximately 441 bridges within the Corpus Christi city limits and Nueces County. Roadway bridges are inspected, maintained and repaired under three classifications:

1. TxDOT On-System Bridges – TxDOT inspected, maintained, and repaired (335 bridges –

Nueces County).

2. TxDOT Off-System Bridges – TxDOT inspected; City maintained and repaired (70 bridges).
3. City Bridges – City inspected, maintained, and repaired (36 bridges).

On-System bridges are owned and maintained by the State on the Texas Department of Transportation (TxDOT)-designated highway system. Off-System bridges are owned and maintained by any of a number of government entities and are not on the TxDOT-designated highway system. City Bridges are smaller bridges and do not meet the definition of a bridge as defined in the National Bridge Inspection Standards (NBIS). City Bridges are less than 20 feet in span.

TxDOT inspects the On-System and Off-System bridges every 2 years per National Bridge Inspection Standards (NBIS). The NBIS provides specific guidelines for inspections and includes standardized forms for record keeping purposes. The results of the Off-System bridge inspections are tabulated in the “Off-System Bridge Inventory, Inspection, and Appraisal Program” (BRINSAP) report which is provided to the City every two years. Within the BRINSAP report, TxDOT identifies maintenance issues or needed repairs which the City must address. (The most recent BRINSAP report did not identify any deficiencies.)

City Bridges are not currently inspected at regular intervals. However, the 2017 CIP Budget includes a project to develop a bridge asset management program. This project includes inspecting all bridges on the City Bridge System, and developing a cost estimate and prioritized list of maintenance and recommended repairs. It will also prepare IDIQ contract bid documents, and delivery orders for specific bridges and repair items. The scope for the subject contract is provided below.

Project Scope:

This item provides for the inspection, analysis, and preliminary cost estimates with recommended prioritization for repairs to City bridges. The project also includes the preparation of construction plans for an Indefinite Delivery Indefinite Quantity (IDIQ) construction contract. Regular bridge inspections are needed to adequately budget for required capital improvements, repairs, and maintenance. This project provides for a baseline inspection of the City bridges using the NBIS template and to establish future inspection cycles. The inspections will evaluate the conditions, opinion of probable construction costs, and prioritization for implementation of the improvements. This project also includes preparation of the IDIQ construction contract bid documents to issue Delivery Orders (DOs) for the recommended improvements. The DO preparations are an allowance that will be individually authorized and negotiated after the bridge assessment is complete.

ALTERNATIVES:

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

OTHER CONSIDERATIONS:

This project allows the City to manage City bridge assets.

CONFORMITY TO CITY POLICY:

The engineering contract and selection process comply with Professional Procurement Act and City Policy.

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Water 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 | | 1,000,000 | | 1,000,000 |
| Encumbered / Expended Amount | | | | |
| This Item | | 114,950 | | 114,950 |
| Future Anticipated Expenditures This Project | | 30,500 | | 30,500 |
| BALANCE | | 854,550 | | 854,550 |

Fund(s): Storm Water CIP #14

Comments: This amendment will result in expenditure not to exceed \$114,950.

RECOMMENDATION:

City Staff recommends approval of a professional services contract with LJA Engineering, Inc., of Corpus Christi, Texas in the amount of \$114,950 for the Bridge Rehabilitation project, and authorization of the City Manager to administratively exercise the two additional one-year options.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Contract
Form 1295 (in contract)
Presentation