



## **AGENDA MEMORANDUM**

Future Item for the City Council Meeting of January 30, 2018  
Action Item for the City Council Meeting of February 13, 2018

**DATE:** January 25, 2018

**TO:** Margie C. Rose, City Manager

**THRU:** Mark Van Vleck, Assistant City Manager  
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**FROM:** Jeff H. Edmonds, P. E., Director of Engineering Services  
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**Construction Contract**  
**Barge Dock Improvements (Rebid)**  
**Type A Funds**

**CAPTION:**

Motion authorizing a construction contract with Grace Paving and Construction, Inc., of Corpus Christi, Texas, in the amount of \$553,199.17 for the Barge Dock Improvements (Rebid) project for the total base bid plus additive alternates 1 and 2 (Type A Funds).

**PURPOSE:**

The purpose of this agenda item is to obtain authority to execute a construction contract with Grace Paving and Construction, Inc., for the Barge Dock Improvements (Rebid) project.

**BACKGROUND AND FINDINGS:**

This project is a critical element of the seawall and an approved Capital Improvement Project within the Type A funds. The Corpus Christi Business and Job Development Corporation reviewed and recommended approval of the construction contract on January 15, 2018.

**Capital Improvement Program description:** "The Barge Dock (commonly referred to as the Art Museum Barge Dock) is located on N. Shoreline Boulevard north end of Corpus Christi Seawall adjacent to the Art Museum of South Texas. Its proximity to the entrance of the Port of Corpus Christi, the American Bank Center, Selena Auditorium, the Museum of Science and History and the Art Museum make the Barge Dock an integral part of these facilities. The Barge Dock area consists of a concrete paved area over fill material, contained along Corpus Christi Bay by a sheet-pile supported structure topped with a concrete pile cap. The barge dock is frequently swamped by high tides limiting its usefulness. A previous concept of this project contemplated raising the structure and enhancing its use. The current program includes funds for maintenance activities only."

The Barge Dock was originally constructed with the seawall in 1941, and the last major rehab was in 1983. It is configured to service as true dock for mooring boats and for additional parking. The structure and pavement are now showing signs of distress with the age and exposure to the harsh environment. Additionally, there are unsafe vehicular activities that are damaging the parking lot and nearby facilities; specifically, cars racing and spinning in circles that propel rocks that cause damage to the Art Museum property. This project provides the structural repairs and adds speed bumps, concrete car stops, and concrete bollards to prevent unsafe vehicular activities.

The project was bid twice. The first bid was in June 2017, where only two bids were received and subsequently rejected. Both bids were nearly double the engineer's estimate, and exceeded the available funding. Staff interviewed the bidders to determine the cause of the higher than expected bids. Based on bidder responses, the project scope and quantities were unclear. The design engineer and staff better defined the scope and clarified the contract requirements. Additionally, some of the scope was moved from the base bid into additive alternates as follows:

#### **PROJECT REVISED (REBID) SCOPE:**

Barge Dock Project (Rebid) was developed with a base bid plus two additive alternatives to maximize the extent of work within the available funding. The following is a summary of the work:

Base Bid - Includes repairs to the concrete structures, mooring cleats, bollards and storm water outfall with a new 1.5" HMAC overlay to the parking lot. The project also includes filling structural voids with lightweight concrete, new pavement markings and new safety features to prevent unsafe vehicular movements.

Additive Alternate No. 1 – Increases the concrete pavement repairs to include replacing damaged concrete pavement at the south end of the Barge Dock.

Additive Alternate No. 2 – Increases thickness of the HMAC overlay from 1.5" (base bid) to 2".

On November 8, 2017, the City received proposals from six (6) bidders. The bids are as follows:

| <b>Contractor</b>  | <b>Base Bid</b>     | <b>Add Alt 1</b>   | <b>Add Alt 2</b>   | <b>TOTAL</b>        |
|--|---------------------|--------------------|--------------------|---------------------|
| <b>Grace Paving and Construction, Inc.<br/>Corpus Christi, Texas</b> | <b>\$466,115.01</b> | <b>\$53,140.88</b> | <b>\$33,943.28</b> | <b>\$553,199.17</b> |
| Mako Contracting, LLC.<br>Corpus Christi, Texas                      | 672,193.62          | 46,522.32          | 19,742.52          | 738,458.46          |
| Mo-Con Services, Inc.<br>Corpus Christi, Texas                       | 562,797.27          | 50,216.40          | 39,398.45          | 652,412.12          |
| DMD Construction<br>Corpus Christi, Texas                            | 561,399.42          | 69,264.00          | 38,186.19          | 668,849.61          |
| Abba Construction<br>Laredo, Texas                                   | 646,535.00          | 76,960.00          | No Bid             | 723,495.00          |
| J.M. Davidson, Ltd.<br>Aransas Pass, Texas                           | 745,224.55          | 80,538.64          | 21,560.91          | 847,324.10          |
| <b><i>Engineer's Opinion of Probable<br/>Construction Cost</i></b>   | <b>\$596,160</b>    | <b>\$73,016</b>    | <b>\$42,862</b>    | <b>\$712,038</b>    |

Staff and the LJA Engineering analyzed the six proposals and determined the lowest responsive and responsible contractor is Grace Paving and Construction, Inc.

#### **ALTERNATIVES:**

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

**OTHER CONSIDERATIONS:**

LJA Engineering, Inc., was selected for this project as a result of RFQ No. 2009-05 City of Corpus Christi Projects.

**CONFORMITY TO CITY POLICY:**

Conforms to statutes regarding construction procurement criteria; §2, Article 10 of the City Charter regarding contracts; FY 2017-2018 Capital Improvement Planning (CIP) Budget.

**EMERGENCY / NON-EMERGENCY:**

Not applicable

**DEPARTMENTAL CLEARANCES:**

Type A Board

**FINANCIAL IMPACT:**

☐ Operating      ☐ Revenue      ☒ Capital      ☐ Not applicable

| <b>Fiscal Year<br/>2017-2018</b>                   | <b>Project to Date<br/>Budget and<br/>Expenditures</b> | <b>Current Year</b> | <b>Future Years</b> | <b>TOTALS</b>     |
|--|--|---------------------|---------------------|-------------------|
| Budget   | \$663,100.00   | \$1,025,177.74      |                     | \$1,688,277.74    |
| Encumbered /<br>Expended Amount                    | 522,685.83   |                     |                     | 522,685.83        |
| <b>This item</b>                                   |  | <b>553,199.17</b>   |                     | <b>553,199.17</b> |
| Future Anticipated<br>Expenditures This<br>Project |  | 151,502.74          |                     | 151,502.74        |
| BALANCE  | \$140,414.17   | \$320,475.83        |                     | \$460,890.00      |

Fund(s): Type A Funds, CIP Seq. PH 17

**Comments:** N/A

**RECOMMENDATION:**

City staff and LJA Engineering recommend approval of a construction contract with Grace Paving and Construction, Inc in the amount of \$553,199.17 for the Barge Dock Improvement Project (Rebid) for the base bid plus additive alternates 1 and 2.

**LIST OF SUPPORTING DOCUMENTS:**

Project Budget  
Location Map  
Presentation  
Letter of Recommendation