



## AGENDA MEMORANDUM

Future Item for the City Council Meeting of August 28, 2012  
Action Item for the City Council Meeting of September 11, 2012

**DATE:** August 23, 2012

**TO:** Ronald L. Olson, City Manager

**FROM:** Daniel Biles, P.E., Director of Engineering Services  
danb@cctexas.com, (361) 826-3729  
Fred Segundo, Director of Aviation  
freds@cctexas.com, (361) 289-0171

**Approval of Construction Contract for  
Corpus Christi International Airport Runway 17-35 Extension/ Displacement and  
Connecting Taxiway Project**

**CAPTION:**

Ordinance accepting and appropriating \$16,345,505.00 from the Federal Aviation Administration Grant No. 3-48-0051-049-2012 in the No. 3020 Airport Capital Improvement Fund for the Runway 17/35 Extension Displacement and Associated Taxiways and Runway 13/31 Connecting Taxiways Project; changing the FY2012-2013 Capital Budget adopted by Ordinance No. 029565 by increasing revenues and expenditures by \$5,545,505.00 each; authorizing the City Manager, or designee, to execute a construction contract with Bay, Ltd. of Corpus Christi in the amount of \$12,841,419.06 for Base Bid Plus Additive Alternates 1, 2 and 3 for the Runway 17/35 Extension/Displacement and Connecting Taxiway Project.

**PURPOSE:**

To accept and appropriate a Federal Aviation Administration (FAA) Grant and award the construction contract.

**BACKGROUND AND FINDINGS:**

This project is located at the Corpus Christi International Airport and addresses safety issues resulting from potential runway incursion incidents. A Taxiway Utilization and Redevelopment Plan recommended the proposed airfield reconfiguration projects for Runway 17-35 and Runway 13-31 to improve the safety of the airfield movement areas where the majority of runway incursions have occurred (the south end of the airfield where Runways 13-31 and 17-35 are coupled). This project consists of extending Runway 17 and Taxiway Alpha by 600 feet to the north and displacing the threshold of Runway 35 by 600 feet to the north. Included in the project is the construction of two new connecting taxiways connecting the new runway thresholds to the parallel taxiway to the west and the construction of a run-up area on the north end of Taxiway Alpha. Runway extension and taxiways will be bituminous (asphaltic concrete) pavement, matching the existing runway and taxiway paving on the airport. As a result of the runway threshold relocations, additional lighting and signage will be installed and all navigation

aids will be appropriately relocated. The Distance-To-Go signs will also be replaced. A new Medium Intensity Approach Lighting System with Runway Alignment Lights (MALSR) will be installed to serve the approach end of Runway 17, replacing the existing Omni-Directional Approach Lighting System (ODALS). This MALSR will cross State Highway 44 and will include construction in the highway right-of-way. All taxiway lighting and signage serving Runway 17-35 will be converted to LED. Lastly, Runway 17-35 and all taxiways serving Runway 17-35 will be seal coated and marked including the enhanced taxiway centerline markings and hold positions lines and signs.

The Additive Alternates include:

Additive Alternate No. 1 is comprised of the construction of four new connecting taxiways connecting Runway 17-35 and the terminal parking apron to Taxiway Alpha. The new taxiway configuration was also recommended by the Taxiway Utilization and Redevelopment Plan. This work will include the removal of four existing connecting taxiways and extensive grading and drainage improvements of the infield area serving Runway 17-35. As a result of the new locations of these connecting taxiways, new LED lighting and signage will be installed. All new connecting taxiway paving will be seal coated and marked including the enhanced taxiway centerline markings and hold positions lines and signs.

Additive Alternate No. 2 is comprised of the reconstruction of the North General Aviation Apron from asphaltic concrete paving to Portland Cement Concrete (PCC) paving. The existing bituminous paving section of the entire apron will be removed to the bottom of the existing base and replaced with a new PCC paving section.

Additive Alternate No. 3 is comprised of the construction of drainage improvements along Pinson Road and its associated drainage shed. Existing failed drainage culverts will be removed and replaced, new culverts installed and all ditches re-graded to improve the drainage efficiency of the area.

Additive Alternate No. 4 is comprised of installing an FAA furnished MALSR serving Runway 17 in lieu of relocating the MALSR serving Runway 35 to Runway 17 as included in the Base Bid. It is not yet certain that an FAA furnished MALSR will be available for this project.

Additive Alternate No. 5 is comprised of relocating the existing Distance Measuring Equipment (DME) in lieu of installing an FAA furnished DME as included in the Base Bid. It is not yet certain that an FAA furnished DME will be available for this project.

On July 25, 2012, the City received proposals from two (2) bidders and their bids are as follows:

	<b>Berry Contracting, LP DBA Bay Ltd. Corpus Christi, Texas</b>	<b>HAAS – Anderson Construction Corpus Christi, Texas</b>
Base Bid	\$ 8,073,515.21	\$ 8,142,166.75
Additive Alternate No. 1	\$ 3,410,993.17	\$ 3,878,625.26
Additive Alternate No. 2	\$ 1,059,427.18	\$ 1,020,480.10
Additive Alternate No. 3	\$ 297,483.50	\$ 248,652.51
Additive Alternate No. 4	\$ (9,066.40)	\$ (1,644.80)
Additive Alternate No. 5	\$ 0.00	\$ (2,657.00)
<b>Total Base Bid plus Additive Alternates 1 thru 5</b>	<b>\$12,832,352.66</b>	<b>\$13,285,622.82</b>

**ALTERNATIVES:**

1. Do not award the contract (not recommended)
2. Award contract as proposed for the Base Bid plus Additive Alts. 1, 2, and 3. (Recommended)
3. Award contract for the Base Bid plus Any combination of Additive Alternates.

**OTHER CONSIDERATIONS:**

City Staff will be coming back to City Council with the next month for an amendment to KSA's contract for construction management, inspection and testing as per Federal Aviation Administration (FAA) requirements.

**CONFORMITY TO CITY POLICY:**

Conforms to statutes regarding Request for Bids process; Bond Issue 2008; FY 2012-2013 Capital Budget.

**EMERGENCY / NON-EMERGENCY:**

N/A

**DEPARTMENTAL CLEARANCES:**

Aviation

**FINANCIAL IMPACT:**

Operating       Revenue       Capital       Not applicable

<b>Fiscal Year: 2012-2013</b>	<b>Project to Date Expenditures (CIP only)</b>	<b>Current Year</b>	<b>Future Years</b>	<b>TOTALS</b>
Line Item Budget	566,000.00	12,000,000.00		12,566,000.00
Additional Project Match		1,179,576.38		1,179,576.38
Additional Grant Appropriation		5,545,505.00		5,545,505.00
<b>TOTAL:</b>		<b>\$18,725,081.38</b>		<b>\$19,291,081.38</b>
Encumbered / Expended Amount	566,000.00			566,000.00
<b>This item</b>		<b>\$12,841,419.06</b>		<b>\$12,841,419.06</b>
Future Anticipated Expenses This Project		3,962,591.24		3,962,591.24
<b>BALANCE</b>		<b>\$1,921,071.08</b>		<b>\$1,921,071.08</b>

Fund(s): Airport CIP Grants (3020) and Airport 2012 CO CIP (3026)

**Comments:** The construction contract will be paid out of an FAA grant and a grant match.

**RECOMMENDATION:**

City Staff recommends accepting and appropriating \$16,345,505.00 from the Federal Aviation Administration Grant No. 3-48-0051-049-2012 in the No. 3020 Airport Capital Improvement Fund for the Runway 17/35 Extension Displacement and Associated Taxiways and Runway 13/31 Connecting Taxiways Project; changing the FY2012-2013 Capital Budget adopted by

Ordinance No. 029565 by increasing revenues and expenditures by \$5,545,505.00 each; city staff also recommends authorizing the City Manager, or designee, to execute a construction contract with Bay, Ltd. of Corpus Christi in the amount of \$12,841,419.06 for Base Bid Plus Additive Alternates 1, 2 and 3 for the Runway 17/35 Extension/Displacement and Connecting Taxiway Project.

**LIST OF SUPPORTING DOCUMENTS:**

Project Budget  
Location Map  
Ordinance  
PowerPoint Presentation