



AGENDA MEMORANDUM

First Reading Item for the City Council Meeting of August 10, 2021
Second Reading Item for the City Council Meeting of August 17, 2021

DATE: August 10, 2021

TO: Peter Zanoni, City Manager

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Grant Acceptance and Construction Contract Award
**Corpus Christi International Airport Rehabilitate Runway 13-31,
Taxiway B, and Associated Improvements**

CAPTION:

Ordinance appropriating Airport Grant # 62 in an amount of \$3,310,001.00 from the United States Department of Transportation-Federal Aviation Administration to the Airport CIP Grants Fund, amending the FY 2021 Capital Budget, and awarding a construction contract in an amount of \$2,625,000.00 to Bay Ltd., Corpus Christi, Texas, for the Corpus Christi International Airport Rehabilitate Runway 13-31, Taxiway B, and Associated Improvements, with FY 2021 funding available from the Airport CIP Grants Fund.

SUMMARY:

This ordinance authorizes a construction contract to provide construction services for the Corpus Christi International Airport (CCIA) Rehabilitate Runway 13-31, Taxiway B, & Associated Improvements Project. This project will address ongoing airfield pavement rehabilitation at CCIA with construction completed in a phased approach. This project is funded at 100% by the Federal Aviation Administration (FAA).

BACKGROUND AND FINDINGS:

The CCIA is owned, operated, and maintained by the City of Corpus Christi and located in Nueces County, Texas. The existing runway configuration at CCIA includes two runways. Runway 13-31 is oriented to the northwest-southeast and serves as the primary runway; it is 7,508 feet long and 150 feet wide. Runway 18-36 serves as the crosswind runway and is 6,080 feet long and 150 feet wide. CCIA enplanes more than 360,000 passengers annually and experiences over 100,000 annual aircraft operations each year.

The existing airfield pavement is Asphalt. For parallel Taxiway B, the pavement is currently witnessing severe surface distress with cracking that warrants a mill and overlay. The remainder of the pavement in the scope of work will receive crack seal and a seal coat. This type of deterioration creates a high potential for generating "foreign object debris" (FOD). FOD can cause damage to the aircraft when it enters engines or gets propelled at high velocities by aircraft engine exhaust or propeller speed. The pavement cracking allows water penetration into the base and subgrade, accelerating structural degradation of pavement.

This project is proposed for the Fiscal Year 2022 CCIA Capital Improvement Program (CIP), but will be accelerated by a couple of months to ensure eligibility to receive 100% funding by the FAA.

The final grant award from the FAA will be based on the low-bid amount, not the estimate. This does not change the amount of annual funding entitlements that the airport receives. The FAA had set aside some additional discretionary funds for this specific project only, in the case the bids were to come in closer to the estimate.

PROJECT SCOPE:

The base bid of this project includes the rehabilitation of Runway 13-31 and connectors, Taxiways B, D, E, F, H, G, J, and K. Taxiway B will receive a two-inch mill and asphalt Pavement overlay for the entire width of the pavement. At the connectors to Runway 13-31, the scope will include a mill and asphalt Pavement overlay at the hold position markings. Runway 13-31 will receive rubber removal, crack seal, and seal coat. The remaining taxiways within the scope of work will receive a crack seal and seal coat. All pavements within the project scope will receive new pavement markings meeting the FAA requirements.

There are two additive alternates included with the project. If awarded, they will rehabilitate Taxiways D, E, F, G, H, J, and K. Pavements within the limits of Additive Alternates will receive the crack seal, seal coat, and new pavement markings.

Base Bid Summary:

- The project will consist of the following:
 - Runway 13-31: rubber removal, crack seal, seal coat, and pavement markings
 - Runway 13-31 connectors: two-inch Mill and asphalt pavement overlay at hold position markings, crack seal, seal coat, and pavement markings
 - Taxiway B: two-inch mill and HMAC pavement overlay, seal coat, and pavement markings

Additive Alternate Summary:

- Additive Alternate I will consist of the following:
 - Taxiways: D, E, F, and H: crack seal, seal coat, and pavement markings
- Additive Alternate II will consist of the following:
 - Taxiways: F, G, J, and K: crack seal, seal coat, and pavement markings

PROJECT TIMELINE:

2021					2022			
M	J	J	A	S	O	N	D	J
BID/AWARD				CONSTRUCTION				

Project Schedule reflects City Council award in August 2021 with anticipated completion in January 2022.

COMPETITIVE SOLICITATION PROCESS:

The Contracts and Procurement Department issued a Request for Bids on May 24, 2021. On June 24, 2021, the City received bids from two bidders. The City analyzed the bids in accordance with the contract documents and determined that Bay Ltd., Corpus Christi, Texas was the lowest responsive and responsible bidder. A summary of the bids is provided below:

BID SUMMARY

	Bay Ltd.	Head Inc.	<i>*Engineer's Estimate</i>
Base Bid	\$2,444,360.00	\$2,855,630.02	\$4,870,000.00
Additive Alternate #1	\$97,840.00	\$109,658.20	\$156,000.00
Additive Alternate #2	\$82,800.00	\$103,560.00	\$215,500.00
Total	\$2,625,000	\$2,970,148.22	\$5,242,000.00

*Engineer's estimate (OPCC) includes Base Bid plus all additive alternates.

Many airports throughout the nation are facing funding complications due to material/labor shortages and price increases due to COVID-19 impacts. Using FAA specified materials typically will drive up material costs as well. With the limited sources for local asphalt and all the unknowns related to material and labor costs due to COVID-19 impacts, the Engineer's estimate aimed to cover the possible inflationary effects on the cost of this project.

Bay Ltd. has been in business since 1927 and specializes in airfield concrete paving municipality projects. Bay Ltd. has completed multiple projects at CCIA, including work on East GA Apron extension and Runway 17/35 and Connecting Taxiway system. Other projects for the City of Corpus Christi include the Citywide Street Overlay & Sealcoat ID/IQ, Citywide SPMP, and Citywide streets projects.

ALTERNATIVES:

The alternative is not to award the construction contract to the lowest bidder, Bay Ltd. This alternative would delay the project and impede on the Council's goals to complete it in a timely manner and within the budget.

FISCAL IMPACT:

The fiscal impact in FY 2021 is the acceptance and appropriation of Airport Grant #62 in an amount of \$3,310,001.00 to the Airport CIP Grants Fund. This item also awards a construction contract in an amount of \$2,625,000.00 with funding available for the Airport Capital Fund. Additionally, the FY 2021 Capital Budget will be amended to include this project. This project is scheduled for the FY 2022 CCIA Capital Improvement Program but will be accelerated by a couple of months to ensure eligibility to receive 100% funding by the FAA.

FUNDING DETAIL:

Fund: **Airport Capital Improvement Program Grants Fund (Fund 3020)**
 Mission Element: Airport Development (ME #274)
 Projects: CCIA Rehabilitate Runway 13-31, Taxiway B, & Associated Improvements (Project #21087)
 Account: Construction (550910)

Amount: \$2,625,000.00

RECOMMENDATION:

Staff recommends awarding the construction contract for the CCIA Rehabilitate Runway 13-31, Taxiway B, & Associated Improvements in an amount of \$2,625,000.00 for the total base bid and additive alternate 1 and 2 with Bay Ltd. based on the acceptance and appropriation of the grant. The construction duration is planned for five months from issuance of the Notice to Proceed to begin construction in August 2021 with anticipated completion in January 2022.

LIST OF SUPPORTING DOCUMENTS:

Location Maps
Ordinance
Grant Award Letter
Bid Tabs
CIP Page