



AGENDA MEMORANDUM

Firs Reading for the City Council Meeting of October 31, 2017
Second Reading for the City Council Meeting of November 7, 2017

DATE: October 12, 2017

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Construction Contract
Corpus Christi International Airport (CCIA) East General Aviation (GA)
and Terminal Apron Reconstruction
Airport Capital Improvement Program

CAPTION:

Ordinance appropriating \$4,899,563.58 from a Federal Aviation Administration Grant; appropriating \$544,395.98 from Airport Operating Reserve and transferring to Airport Capital Reserve for the Corpus Christi International Airport (CCIA) East General Aviation (GA) and Terminal Apron project; amending the FY '18 Capital Improvement Program (CIP) Budget by \$5,443,959.56; and authorizing the City Manager, or designee, to execute a construction contract with SpawGlass Civil Construction, Inc., of Houston, Texas in the amount of \$4,241,714.70 for the CCIA East GA and Terminal Apron project for the base bid plus three additive alternates.

PURPOSE:

The purpose of this Agenda Item is to appropriate a federal grant and obtain authority to execute a construction contract with the lowest responsible bidder, SpawGlass Civil Construction, Inc. of Houston, Texas for the CCIA East General Aviation (GA) and Terminal Apron Project.

BACKGROUND AND FINDINGS:

This project is an approved CCIA Capital Improvement Project that is a joint Federal Aviation Administration (FAA)/City project with a respective 90/10 percent construction cost sharing.

Airport Capital Improvement Program description: “Reconstruct East GA Apron to include the removal of existing asphalt pavement and replace with reinforced concrete, aircraft tie-downs, striping and upgrades of apron lighting. Existing apron has shown signs of deterioration and base failures and needs replacement. East and North aprons serve Signature Flight Support Fixed Based Operator (East FBO) and are essential for maintaining service to GA aircraft. Project will be phased accordingly within funding availability.”

The Terminal Apron and East General Aviation Apron are areas of the airport where aircraft are parked, unloaded or loaded, refueled, or boarded. The Terminal Apron services commercial passenger airlines that access the main Terminal and the East GA Apron services additional aviation activities outside the terminal including the Signature Flight Support Fixed Based Operator (East FBO). The total pavement area of the two aprons is approximately 161,000 square yards (SY) with approximately 102,000 SY for the Terminal Apron and approximately 59,000 SY for the East General Aviation (East GA) Apron.

The existing apron pavement is a combination of Portland Cement Concrete (PCC) and Hot-Mix-Asphalt-Concrete (HMAC) and is experiencing severe distress with minor longitudinal / transverse cracking, rutting and concrete spalling. This deterioration creates a high potential for generating "foreign object debris" (FOD). FOD can cause damage to the aircraft when FOD enters engines or gets propelled at high velocities by aircraft engine exhaust or prop wash. The pavement cracking allows greater water penetration into the base and subgrade accelerating structural degradation of pavement. The apron pavement improvements are planned for six construction phases. Phase 1 was designed by KSA and is currently under construction by SpawGlass Civil Construction, Inc. The final phase of construction, Phase 6, is planned to start in 2021. This item awards the construction contract to SpawGlass for Phase 2 of 6.

Project Scope:

This construction contract provides for rehabilitation / reconstruction of the southeast corner section of East GA and Terminal Apron pavements. During the design phase, replacement of existing HMAC was recommended with PCC to support heavy aircraft and equipment loads with less overall maintenance. This project was developed with a Base Bid plus three Additive Alternatives as follows:

Base Bid – Rehabilitate and replace existing HMAC with PCC for approximately 7,733 SY of Terminal Apron and 2,635 SY of East GA Apron. Work includes grading, pavement markings, electrical and drainage improvements.

Additive Alternate No. 1 – Increase GA Apron Reconstruction to replace an additional 1,615 SY of existing HMAC pavement with PCC with associated grading, pavement markings, and electrical improvements.

Additive Alternate No. 2 – Increase the GA Apron Reconstruction to replace an additional 807 SY of existing HMAC pavement with PCC with associated grading, pavement markings, and electrical improvements.

Additive Alternate No. 3 – Increase the GA Apron Reconstruction to replace an additional 807 SY of existing HMAC pavement with PCC with associated grading, pavement markings, and electrical improvements.

On August 9, 2017, the City received proposals from three (3) bidders. One bidder was determined to be non-responsive and the proposal rejected. The responsive bids are as follows:

Contractor	Base Bid	Add Alt 1	Add Alt 2	Add Alt 3	TOTAL
SpawGlass Civil Construction, Inc. Houston, Texas	\$3,369,687.21	\$422,597.95	\$224,722.84	\$224,706.70	\$4,241,714.70
Bay, Ltd. Corpus Christi, Texas	\$3,696,035.15	\$448,533.00	\$239,828.98	\$231,758.98	\$4,616,156.11
Engineer's Opinion of Probable Cost	\$3,855,000	\$454,624	\$222,789	\$222,789	\$4,755,202

Both bids were within engineer's estimate and available funds. The lowest responsive and responsible bidder was determined to be SpawGlass Civil Construction, Inc. of Houston, Texas.

ALTERNATIVES:

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

OTHER CONSIDERATIONS:

N/A

CONFORMITY TO CITY POLICY:

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

EMERGENCY / NON-EMERGENCY:

Not applicable

DEPARTMENTAL CLEARANCES:

Airport

FINANCIAL IMPACT:

Operating Revenue Capital Not applicable

Fiscal Year 2017-2018	Project to Date Budget and Expenditures	Current Year	Future Years	TOTALS
Budget		\$7,944,000.00	\$15,888,000.00	\$23,832,000.00
Encumbered / Expended Amount				
This item Construction		4,241,714.70		4,241,714.70
Future Anticipated Expenditures This Project		3,116,485.30	15,888,000.00	19,004,485.30
BALANCE		\$0.00	\$0.00	\$0.00

Fund(s): Airport CIP AV 06, AV08

Comments: N/A

RECOMMENDATION:

City staff and Garver, LLC. recommend the construction contract be awarded to SpawGlass Civil Construction, Inc. in the amount of \$4,241,714.70 for the base bid and three additive alternates for the Corpus Christi International Airport (CCIA) East GA and Terminal Apron project.

LIST OF SUPPORTING DOCUMENTS:

Ordinance
Project Budget
Location Map
Presentation
Letter of Recommendation
Form 1295
Grant Award