



## AGENDA MEMORANDUM

Future Item for the City Council Meeting of August 12, 2014  
Action Item for the City Council Meeting of August 19, 2014

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**DATE:** August 4, 2014

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

**THRU:** Gustavo Gonzalez, P.E., Assistant City Manager, Public Works and Utilities  
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**THRU:** Valerie H. Gray, P.E., Interim Executive Director, Public Works  
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**FROM:** Fred Segundo, Director, Aviation  
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### **Execute Amendment No. 31**

Runway 13-31 Extension / Displacement and Connecting Taxiway

#### **CAPTION:**

Motion authorizing the City Manager, or designee, to execute Amendment No. 31 with KSA Engineers, Inc. from Longview, Texas in the amount of \$74,803.00 for a total restated fee of \$6,739,912.71 for the Corpus Christi International Airport Runway 13-31 Extension/Displacement and Connecting Taxiway Project for additional design services.

#### **PURPOSE:**

The purpose of this Agenda Item is to execute Amendment No. 31 with KSA Engineers, Inc. in the amount of \$74,803.00 for a total contract restated fee of \$6,739,912.71 for the Corpus Christi International Airport Runway 13-31 Extension/Displacement and Connecting Taxiway Project for additional design services.

#### **BACKGROUND AND FINDINGS:**

This contract amendment is specifically related to improvements at the Corpus Christi International Airport. The Runway 13-31 Extension/ Displacement and Connecting Taxiways project 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 is comprised of extending Runway 13 and Taxiway Bravo by 1,000 feet to the north and displacing the threshold of Runway 31 by 1,000 feet to the north. Included in the project is the construction of one new connecting taxiway connecting the new Runway 13 threshold to parallel Taxiway Bravo, reconstruction and reconfiguration of Taxiway B1 Taxiway B5, the construction of a run-up area on the north end of

Taxiway Bravo, and blast pad. All paving will be bituminous, matching the existing runway and taxiway paving on the airport. This work will include extensive grading and drainage improvements. As a result of the runway threshold relocations, additional lighting and signage will be installed and all navigation aids will be appropriately relocated. Access drives to the relocated navigation aids will also be constructed. 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 13. All taxiway lighting and signage serving Runway 13-31 will be converted to LED. Lastly, Runway 13-31 and all bituminous pavements constructed within this project will be seal coated and marked including the enhanced taxiway centerline markings and hold positions lines and signs.

**Additive Alternate No. 1** is comprised of the construction of two new connecting taxiways, Taxiways B2 and B3, connecting Runway 13-31 to Taxiway Bravo. AUTHORIZED

**Additive Alternate No. 2** is comprised of the construction of two new connecting taxiways, Taxiways H and J, connecting Taxiway Bravo to the Terminal Parking Area. AUTHORIZED

**Additive Alternate No. 5** is comprised of the relocation of an existing 48 inch diameter water line currently located under the proposed Runway 13 extension. AUTHORIZED

**Additive Alternate No. 6** is comprised of the construction of the North General Aviation Apron Extension. AUTHORIZED

**Additive Alternate No. 7** is comprised of the construction of a new wash rack adjacent to the General Aviation Apron Extension constructed in Additive Alternate No. 1. AUTHORIZED

**Additive Alternate No. 8** is comprised of providing line stops for the existing 48 inch diameter water line should the existing gate valves prove to be non-operational during construction. AUTHORIZED

**Additive Alternate No. 3** is comprised of the construction of two new connecting taxiways, Taxiways H and J, connecting Taxiway Bravo to the Terminal Parking Area. PENDING FUTURE AUTHORIZATION AND FAA APPROVAL

**Additive Alternate No. 4** is comprised of the reconstruction of the East General Aviation Apron Phase II from bituminous paving to Portland Cement Concrete paving. PENDING FUTURE AUTHORIZATION AND FAA APPROVAL

This construction contract was awarded to Bay, Inc. on April 15, 2014. A partial NTP was issued on May 15, 2014. The full NTP will be issued July 28, 2014.

Amendment No. 31 with KSA Engineers, Inc. specifically addresses additional design components to be incorporated, as requested by the Federal Aviation Authority (FAA):

Replacement of two localizer arrays, new electrical taxiway lighting circuitry, replacement of incandescent taxiway lights with LED taxiway lights, replacement of incandescent guidance signs with LED guidance signs, rename portion of TWY G to TWY K, update sign and marking plan, replace existing rotating beacon, reconfigure pavement and lighting south of RWY 31 threshold, replace existing primary windcone, analyze loading on all six airfield electrical circuits, reconfigure security fencing access gates, remove plan sheets 123, 124, 125, 167, 168, 169 and 170, incorporate FAA comments to plans and specifications, add FAA specifications as reference documents, modify plans and specifications as necessary to resolve conflicts with FAA required modifications, coordinate with Contractor to provide pricing for changes.

Plans and specifications shall be in full compliance with all design and construction standards of the FAA, City of Corpus Christi, and other governing authorities, as applicable.

#### **ALTERNATIVES:**

1. Execute Amendment No. 31 as proposed. (Recommended)
2. Do not execute Amendment No. 31 as proposed. (Not Recommended)

**OTHER CONSIDERATIONS:**

FAA provides funding for 90% of the project’s design and construction and has reviewed and concurred with this amendment. This project conforms with FAA policies and requirements and is to be funded from approved FAA grants.

**CONFORMITY TO CITY POLICY:**

Conforms to statutes regarding the Professional Procurement Act and City Policy; appropriating funds and the FY 2013-2014 Airport Capital Improvement Program budget.

**EMERGENCY / NON-EMERGENCY:**

Not applicable

**DEPARTMENTAL CLEARANCES:**

Aviation Department

**FINANCIAL IMPACT:**

Operating       Revenue       Capital       Not applicable

<b>Fiscal Year 2013-2014</b>	<b>Project to Date Expenditures (CIP only)</b>	<b>Current Year</b>	<b>Future Years</b>	<b>TOTALS</b>
Line Item Revised Budget (w/ 2014 Ordinance)	\$1,052,000.00	\$39,487,531.00	\$18,625,000.00	\$59,164,531.00
Encumbered / Expended Amount	\$1,052,000.00			\$1,052,000.00
This item		\$74,803.00		\$74,803.00
Future Anticipated Expenditures		\$39,412,728.00	\$18,625,000.00	\$58,037,728.00
BALANCE		\$0.00	\$0.00	\$0.00

Fund(s): Airport CIP Fund Grant, Airport 2012 CIP; Seq. 2013-2014 CIP Nos. AV 6, 8, 9, 11

**RECOMMENDATION:**

City Staff recommends the approval of Amendment No. 31 with KSA Engineers, Inc.

**LIST OF SUPPORTING DOCUMENTS:**

- Project Budget
- Location Map
- Presentation
- Amendment #31