

Legislation Details (With Text)

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Title:	Fourth Parallel Runway Program Final Design Contracts				
Attachments:	1. CLT - Fourth Parallel Runway - Program Overview - 2023-02-22				

Date	Ver.	Action By	Action	Result
3/13/2023	1	City Council Business Meeting	Approve	

Fourth Parallel Runway Program Final Design Contracts

Action:

- A. Approve a contract in the amount of \$25,191,290 with RS&H Architects Engineers Planners Inc. for the final design services of the Runway Project under the Fourth Parallel Runway Program,**
- B. Approve a contract in the amount of \$5,325,521 with Kimley-Horn & Associates, Inc. for the final design services of the North End-Around Taxiway Extension Project under the Fourth Parallel Runway Program,**
- C. Approve a contract in the amount of \$6,999,826 with AECOM Technical Services of North Carolina, Inc. for the final design services of the South End-Around Taxiway Project under the Fourth Parallel Runway Program, and**
- D. Authorize the City Manager to amend the contracts consistent with the purpose for which the contracts were approved.**

Staff Resource(s):

Haley Gentry, Aviation
Jack Christine, Aviation

Background

- Aviation is currently in the preliminary design phase for the Fourth Parallel Runway Program with Aviation Consulting Engineers, LLC, which will enhance airfield capacity and operational efficiency.
- The Fourth Parallel Runway Program consists of three major design projects, including the New Runway, North End-Around Taxiway (NEAT) Extension, and the South End-Around Taxiway (SEAT).
- The NEAT and SEAT projects will enhance safety by reducing runway crossings and increase operational efficiency by providing aircraft the ability to continuously taxi around the two center runways.
- These contracts will provide for the final design and bidding services of the individual construction projects within the Fourth Parallel Runway Program.
- On August 18, 2022, the city issued a Request for Qualifications (RFQ); four responses were received.
- Design of all three projects is anticipated to be complete fourth quarter 2024.
- This activity is occurring on airport property.

Explanation

Action A

- The Fourth Parallel Runway project will provide a 10,000-foot concrete runway and full-length parallel taxiways located on the east and west sides of that runway, and a system of associated entrance/exit taxiways.
- The Runway project will include four bid packages as part of the design:
 - Taxiway V Eastside Connectors Paving and Lighting,
 - Runway 1-19, Taxiway V Extension, and Associated Taxiway Connectors Paving and Lighting,
 - Westside Parallel Taxiway and Associated Connectors Paving and Lighting, and
 - Navigational Aid (NAVAID) Development Package.
- RS&H Architects Engineers Planners Inc. is the best qualified firm to meet the city's needs on the basis of demonstrated competence and qualification of professional services in response to the RFQ requirements.

Action B

- The NEAT Extension project will provide End Around Taxiway connectivity north of the center runways and will connect to the air carrier ramp.
- Kimley-Horn & Associates, Inc. is the best qualified firm to meet the city's needs on the basis of demonstrated competence and qualification of professional services in response to the RFQ requirements.

Action C

- The SEAT will provide End Around Taxiway connectivity south of the center runways and will connect to Taxiway F.
- AECOM Technical Services of North Carolina, Inc. is the best qualified firm to meet the city's needs on the basis of demonstrated competence and qualification of professional services in response to the RFQ requirements.

Disadvantaged Business Enterprise

Action A

The city negotiates subcontracting participation after the firm is selected for this service contract. RS&H has committed 17.47% (\$4,400,508) of the total contract amount to the following certified firms:

- Aviation Alliance (DBE) (\$712,394) (LOC/GS/PAPI design)
- CES Group Engineers, LLP (DBE) (\$218,740) (survey and SUE)
- Connico, LLC (DBE) (\$669,943) (cost estimating)
- Eden & Associates, P.C. (DBE) (\$490,110) (general engineering)
- Tela Vuota, PLLC (DBE) (\$398,500) (general engineering/QC)
- Walls Engineering, PLLC (DBE) (\$1,910,821) (airfield electrical support)

Action B

The city negotiates subcontracting participation after the firm is selected for this service contract. Kimley Horn has committed 13.33% (\$709,671) of the total contract amount to the following certified firms:

- Aviation Alliance, Inc (DBE) (\$414,803) (airfield electrical)
- Connico, LLC (DBE) (\$191,668) (project scheduling and estimating)
- CES Group Engineers, LLP (DBE) (\$103,200) (supplemental design surveys)

Action C

The city negotiates subcontracting participation after the firm is selected for this service contract. AECOM has committed 25.70% (\$1,798,650) of the total contract amount to the following certified firms:

- Airport Design Consultants, Inc. (DBE) (\$311,600) (CSPP & phasing support)
- Connico, LLC (DBE) (\$153,342) (cost estimating & scheduling support)
- Eden & Associates, P.C. (DBE) (\$348,244) (site civil, FAA, and utility support)
- Landry Consulting, LLC (DBE) (\$85,123) (SRM panel and FAA coordination)
- Walls Engineering, PLLC (DBE) (\$800,341) (airfield lighting/NAVAIDS)
- CES Group Engineers, LLP (DBE) (\$100,000) (supplemental topographic surveys and SUE)

Fiscal Note

Funding: Aviation Capital Investment Plan

Attachment(s)

Map