



City Council Report

Date: July 3rd, 2023
To: City Council
Through: Marc Heirshberg, Deputy City Manager
From: Beth Huning, City Engineer
Lance Webb, Assistant City Engineer
Subject: Midfield Crossover Taxiway East and Realignment of Taxiways D7 and D8
City Project No. CP0994EAST
Council District 5

Purpose and Recommendation

The purpose of this report is to provide information to Council concerning the results of the bids received for the Midfield Crossover Taxiway East and Realignment of Taxiways D7 and D8 project at Falcon Field Airport (See Exhibit "A" for the project location).

Staff recommends that Council award a contract for this project to the lowest responsible bidder, J Banicki Construction, Inc., in the amount of \$3,471,931.80, and authorize a change order allowance in the amount of \$347,193.18 (10%) conditioned upon receipt and execution of a federal grant offer which will pay for 91.06% of the eligible costs for the project.

Background

Taxiways D7 and D8 provide landing aircraft movement Runway 4R/22L to Taxiway D and the aircraft parking ramps. Design investigations found the alignments of D7 and D8 do not meet the Federal Aviation Administration (FAA) standards. The two Taxiways are located too close together and the current alignment allows for direct access from aircraft parking ramps to the runway.

Falcon Field's Airport Capital Improvement Program identified the need for a Midfield Crossover Taxiway to efficiently and safely direct landing aircraft from Runway 4L/22R to the ramps on the east side of the airfield.

This project will remove the current D7 and D8 Taxiways and reconstruct them with new alignments that meet FAA requirements and restrict direct access from ramps to the Runway 4R/22L. In conjunction with the realignment, the Midfield Crossover Taxiway East will be constructed, providing additional aircraft movement options for aircraft exiting Runway 4L/22R.

It is anticipated that the City will receive authorization for federal funding through the Airport Improvement Program (AIP) administered by the FAA.

Discussion

Realignment of Taxiways D7 and D8 will improve airport safety by being further apart and preventing access from ramp areas directly onto the runways. The Midfield Crossover Taxiway will reduce congestion and hold times of other aircraft waiting to use the runway.

Community Impact – To minimize runway closures, construction will take place overnight where one of the two runways will be shut down at a time.

Once underway, construction of this project is anticipated to last no more than 6 months.

Alternatives

An alternative to this project would be to not construct these improvements. This is not recommended given that the current D7 and D8 Taxiway alignments do not meet current FAA Standards for safety and spacing. Also, if the FAA grant is not used this year, the funding will not be available later.

Fiscal Impact

The total authorized amount recommended for this project is \$3,819,124.98, based on the lowest responsible bid of \$3,471,931.80, with an additional \$347,193.18 (10%) as a change order allowance. This change order allowance will only be utilized for approved change orders.

This project is funded by the FAA Grant and Falcon Field Airport. The Airport is requesting a matching grant from the Arizona Department of Transportation MPD/Aeronautics Group to pay for 50% of the Airport's contribution.

Coordinated With

The Falcon Field Airport concurs with this recommendation.

CITY OF MESA
MESA, ARIZONA

Midfield Crossover Taxiway East and Realignment of Taxiways D7 and D8

PROJECT NO. CP0994EAST

Tabulation of Bids Received, Thursday, May 11, 2023, at 1:00 pm

ENGINEER'S ESTIMATE	\$2,333,683.00
1. J BANICKI CONSTRUCTION INC.	\$3,471,931.80
2. COMBS CONSTRUCTION INC.	\$5,740,405.25