



# City Council Report

**Date:** August 22, 2016  
**To:** City Council  
**Through:** Kari Kent, Assistant City Manager  
**From:** Beth Huning, City Engineer  
Rob Kidder, Assistant City Engineer  
**Subject:** Falcon Field Airport  
Realign & Construct Taxiway 'C' and Runway '4R' Run-Up Area  
City Project No. CP0719  
District # 5

## Strategic Initiatives



## Purpose and Recommendation

The purpose of this report is to provide information to the Council concerning the results of the bids received for the Realign and Construct Taxiway 'C' and Runway '4R' Run-Up Area Project (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 \$1,875,661.45 and authorize a change order allowance in the amount of \$187,566.00.

## Background

The proposed project consists of runway safety improvements included in the Falcon Field Airport Master Plan and Runway Safety Action Plan, and in the Federal Aviation Administration (FAA) Runway Incursion Mitigation Program. On July 11, 2016, Council accepted an Airport Improvement Program (AIP) Grant Agreement from the FAA that provides 91.06% of the necessary construction funding for this project.

## Discussion

This project will enhance safety at Falcon Field by re-aligning the intersection of Taxiway 'C' with the approach end of Runway '22L'. The taxiway currently intersects the active part of the runway, creating potential safety issues. The project will also reconfigure the Aircraft Run-Up Area at Runway '4R' to remove direct access from Falcon Ramp to the runway by introducing directional changes. This will eliminate the last remaining "hot spot" for runway incursions at Falcon Field as recommended by the FAA.

This project will improve airport operations, efficiency, and safety at Falcon Field Airport by improving taxiway alignments and increasing hold bay capacity for aircraft awaiting clearance for departure. In accordance with the *Falcon Field Fly Friendly Program* strategies, the proposed improvements will further encourage the use of Runway 4L-22R (north runway) for flight training operations.

Once underway, the project construction is anticipated to last no more than 5 months.

Temporary impacts include occasional runway and taxiway closures, which will result in increased air traffic for the adjacent runway which remains open. All work is on the airport property, with no traffic restrictions on public streets. Temporary restrictions for air traffic have been coordinated with the FAA air traffic control tower staff, and they are in concurrence with the proposed project.

### **Alternatives**

An alternative is to not award this contract for the proposed improvements. This alternative is not recommended because the runway safety improvements would then not be implemented in accordance with Falcon Field Airport's Runway Safety Action Plan and the FAA's national Runway Incursion Mitigation Program. Additionally, FAA and ADOT funding may not be available in the future if this project is deferred.

### **Fiscal Impact**

The total authorized amount recommended for this project is \$2,063,227.45 based upon the lowest responsible bid of \$1,875,661.45 plus an additional \$187,566.00 (10%) as a change order allowance. This allowance will only be utilized for approved change orders.

The approved FAA grant will fund 91.06% of the total estimated cost with local matching funds required for the remaining 8.94%. Falcon Field has applied to the Arizona Department of Transportation (ADOT) for a matching grant to fund 4.47% and the Airport Enterprise Fund will fund the remaining 4.47%. If an ADOT grant is not received, Falcon Field will fund the entire local match of 8.94%, with funding available from the adopted FY2016-17 Falcon Field Capital Program.

### **Coordinated With**

Falcon Field Airport concurs with this recommendation.

CITY OF MESA  
MESA, ARIZONA

MESA-FALCON FIELD AIRPORT (FFZ)

REALIGN AND CONSTRUCT TAXIWAY 'C' AND  
RUNWAY '4R' RUN-UP AREA  
FEDERAL AIP 3-04-0023-026-2016  
ADOT GRANT NO. E7F\_ \_

DAVIS BACON WAGES APPLY

**PROJECT NO. CP0719**

Tabulation of Bids Received, Thursday, May 26, 2016, at 1:00 P.M.

<b>ENGINEER'S ESTIMATE</b>	<b>\$2,045,720.00</b>
1. J. Banicki Construction, Inc.	\$1,875,661.45
2. Nesbitt Construction Co., Inc.	\$1,905,870.25
3. Blucor Contracting, Inc.	\$1,915,301.70
4. RK Sanders, Inc.	\$1,917,819.70
5. CSW Contractors, Inc.	\$2,425,571.89
6. Combs Construction Co., Inc.	Bid Withdrawn