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4-6-09

City Council Report

Date: April 6, 2009
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Elizabeth Huning, City Engineer
Subject: Falcon Field Airport
Runway 4R Engine Run-Up Area
Project No. 04-076-001
City Council District No. 5

Purpose and Recommendation

The purpose of this report is to provide information to the Council on bids received for Project No. 04-076-001, Falcon Field Airport, Runway 4R Engine Run-Up Area. It is recommended that Council award this project to the low bidder, Visus Engineering Construction, Inc., for a total award amount of \$719,917.00.

Background

The approved 2006 Airport Layout Plan (ALP) for Falcon Field Airport recommends construction of a run-up area at the southwest end of Main Runway 4R-22L. That end of the runway is designated "Runway 4R". (See the attached Exhibit "A" for a project location map).

The term "run-up" refers to engine checks that involve temporarily advancing the throttles to ensure that engines are capable of producing take-off thrust. A dedicated run-up area does not presently exist for Runway 4R, and pilots currently perform run-up checks for their aircraft while parked on the taxiways.

Run-up areas are beneficial because air blast from engine verification may cause problems for other aircraft or structures. Dedicated run-up areas also allow aircraft to temporarily leave the taxiways so as to not obstruct ground traffic while the run-up exercise is performed. As in this case, run-up areas are typically located near the end of a runway.

With the increased number of operations (take-offs and landings) at Falcon Field Airport, a dedicated run-up area will be very beneficial for daily airport operations by relieving congestion at Runway 4R. In particular, aircraft taxiing to or from secondary Runway 4L-22R will no longer be obstructed by aircraft performing run-up checks.

Discussion

The proposed improvements include extending three existing airport storm drains and constructing new asphalt pavement, new drainage headwall structures, grouted riprap erosion protection, new taxiway edge lights, new illuminated airport guidance signs, and new pavement markings, including enhanced taxiway centerline and runway holding position markings in accordance with current Federal Aviation Administration (FAA) guidelines and standards.

The FAA has approved this project and has issued a construction grant to fund the proposed improvements through the national Airport Improvement Program (AIP).

Community Impact – This project will improve airport operations and safety at Falcon Field Airport by relieving congestion at Runway 4R. Temporary impacts will include construction noise and dust for airport users only. All work is on the airport, with no traffic restrictions anticipated on public streets. Once work is started, the project is anticipated to be complete in sixty (60) calendar days.

Alternatives

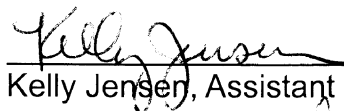
Alternatives would be to not construct these improvements or to defer them to a later date. Neither of these alternatives is recommended. Falcon Field Airport is now the fourth busiest General Aviation airport in the country, and the increased number of operations strongly warrants construction of a dedicated run-up area. Additionally, FAA funding may not be available in the future if this project is deferred.

Fiscal Impact

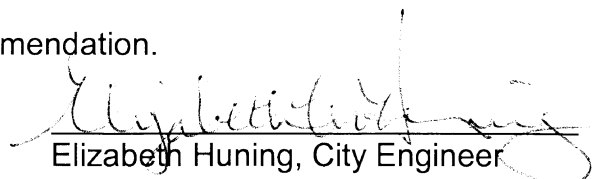
The recommended total award amount for this project is \$719,917.00, based on the low bid of \$654,470.00, plus an additional \$65,447.00 (10% allowance for change orders). FAA Construction Grant No. AIP-18 will cover 95% (\$683,921.15) of the construction cost, with the City of Mesa responsible for the remaining 5% (\$35,995.85). Funding for the City's local share of the cost is available from the adopted FY 2008/09 Falcon Field Airport Capital Program.

Coordinated With

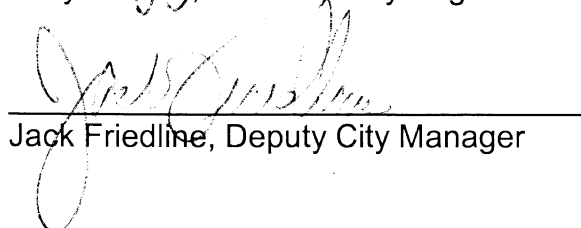
Falcon Field Airport concurs with this recommendation.



Kelly Jensen, Assistant City Engineer



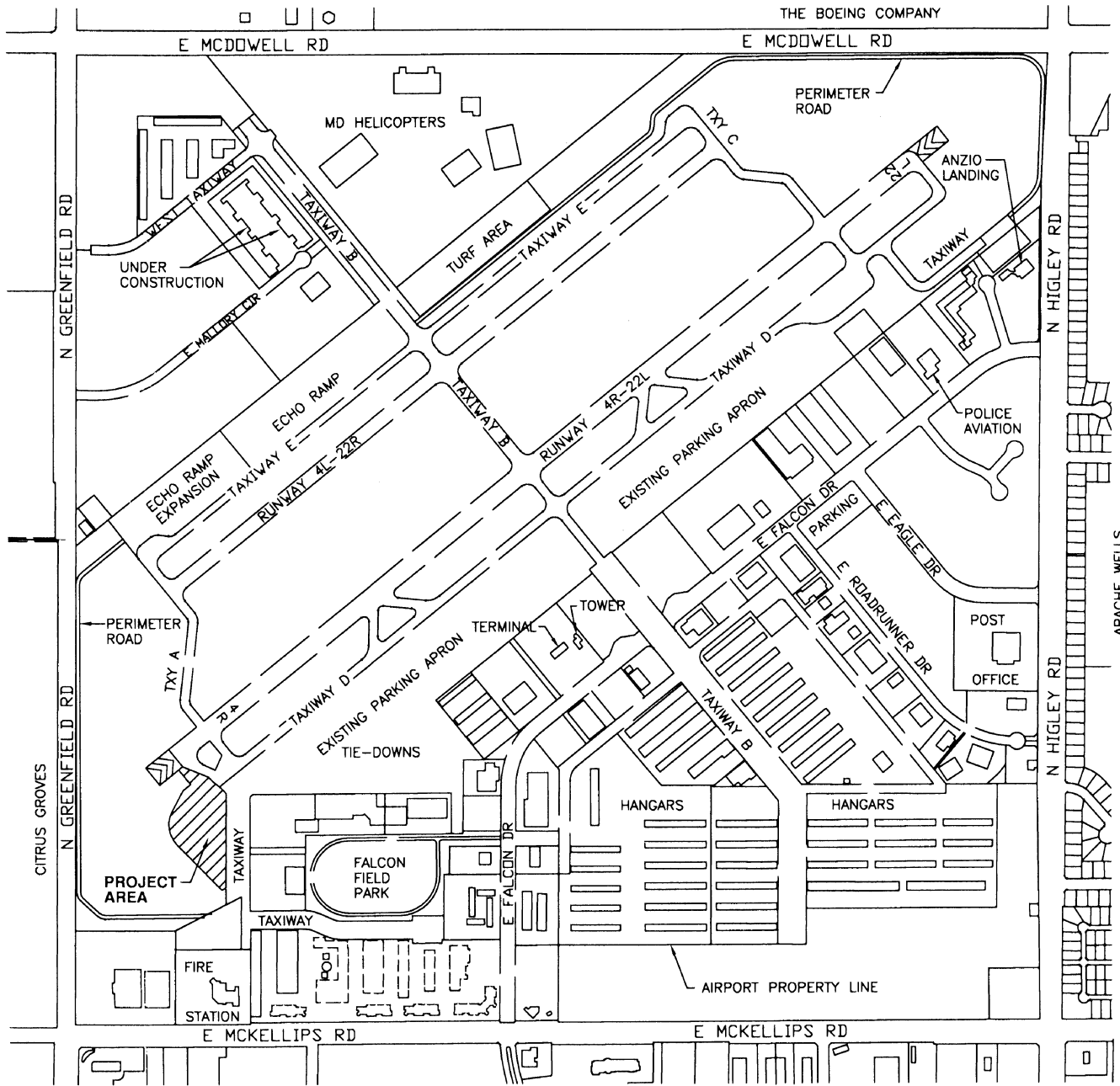
Elizabeth Huning, City Engineer



Jack Friedline, Deputy City Manager



EXHIBIT "A" PROJECT LOCATION MAP



LOCATION: SECTION 3 T1N R6E

 PROJECT AREA

FALCON FIELD AIRPORT RUNWAY 4R ENGINE RUN-UP AREA CITY OF MESA, AZ PROJECT NO. 04-076-001



Budget Information:

FAA Construction Grant No. AIP-18 will cover 95% of the construction cost, with the City of Mesa responsible for the remaining 5%. Funding for the City's local share of the cost is available from the adopted FY 2008/2009 Falcon Field Airport Capital Program

CITY OF MESA
MESA, ARIZONA

FALCON FIELD AIRPORT 4R ENGINE RUN-UP AREA

PROJECT NO. 04-076-001

Tabulation of Bids Received Thursday, March 5, 2009, at 1:00 P.M.

ENGINEERS ESTIMATE	\$971,580.00
1. Visus Engineering Construction Inc.	\$654,470.00
2. Nesbitt Contracting Company Inc.	\$700,599.80
3. J Banicki Construction Inc.	\$709,513.00
4. Combs Construction Inc.	\$729,091.25
5. Bison Contracting Company Inc.	\$736,550.05
6. Construction 70 Inc.	\$739,854.75
7. R K Sanders Inc.	\$753,125.50
8. Haydon Building Corporation	\$773,426.50
9. Spire Engineering LLC	\$791,590.00
10. Knochel Bros Inc.	\$802,912.00
11. Standard Construction Company Inc.	\$804,244.00
12. Kelco Contracting LLC	\$820,993.50
13. Gunsight Construction Companies LLC	\$824,084.00
14. M R Tanner Development and Construction Inc.	\$836,868.00
15. Montezuma Paving Company	\$876,763.00

16. J M H Company Ltd.	\$981,892.25
17. Wheeler Construction Inc.	\$923,767.00
18. Underground Utilities Inc.	\$924,376.58

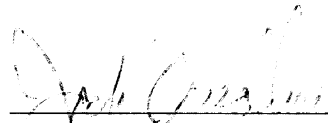
NOT READ:

Doublejack Inc. – Did not acknowledge Addendum #1

Kleven Construction – Did not acknowledge Addendum #1

Norquay Construction – Bid Proposal filled out incorrectly

Recommend award to low bidder, Visus Engineering Construction Inc., in the amount of \$654,470.00 plus an additional \$65,447.00 (10% allowance for change orders) for a total award of \$719,917.00.



Jack Friedline
Deputy City Manager