



# City Council Report

**Date:** March 23, 2009  
**To:** City Council  
**Through:** Jack Friedline, Deputy City Manager  
**From:** Elizabeth Huning, City Engineer  
**Subject:** Falcon Field Airport  
Pavement Preservation and Marking Improvements  
Project No. 08-912-001  
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. 08-912-001, Falcon Field Airport, Pavement Preservation and Marking Improvements. It is recommended that Council award this project to the low bidder, Cactus Asphalt, Inc., for a total award amount of \$323,346.82.

## Background

Falcon Field Airport has an established program to inventory and manage their paved runways, taxiways, parking aprons, ramps and similar infrastructure using a pavement management database. This database is maintained as part of the Arizona Pavement Management System (APMS) in partnership with the Arizona Department of Transportation (ADOT) Aeronautics Division. Federal law requires public-use General Aviation airports, such as Falcon Field, to have an effective pavement management system in place to remain eligible for Federal funding.

Specific pavement preservation projects are identified and programmed to ensure that funds are invested at the optimal times. The goal of this Airport Operations program is to maintain existing pavements and minimize costly full reconstructions until the pavement has truly reached the end of its useful service life. Specific projects may include crack sealing, surface sealing, mill and overlay, full pavement reconstruction, depending on the age and condition of the asphalt pavement. Full reconstruction projects or construction of new segments, are programmed and budgeted through Falcon Field Airport's Capital Improvement Program.

## Discussion

This project will provide crack sealing, seal coating, and new pavement markings on both of the airport runways, including the paved shoulders. It will also enable the airport to install enhanced taxiway centerline and runway holding position markings, as required by the Federal Aviation Administration (FAA), in accordance with the newly updated FAA Advisory Circular AC 150/5340-1J: *Standards for Airport Markings*.

Community Impact – This project will result in operationally and aesthetically improved airport runways, which improve safety and increase the useful service life of the runway pavements. Impacts are anticipated to include construction noise and dust for airport users only. All work is on the airport, with no temporary traffic restrictions anticipated on public streets. Once work is started, the project is anticipated to be complete in thirty (30) calendar days.

## Alternatives

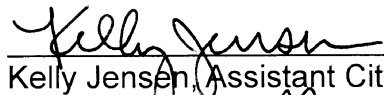
Alternatives would be to not construct these improvements or to defer them to a later date. Since pavement preservation and maintenance improvements are time-sensitive, either alternative could result in further cracking and deterioration of the runway pavements and the possible development of potholes, and is not recommended. Additionally, funding may not be available if this project is deferred.

## Fiscal Impact

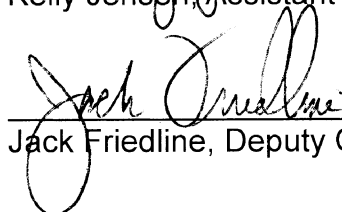
The recommended total award amount for this project is \$323,346.82, based on the low bid of \$293,951.65 plus an additional \$29,395.17 (10% contingency allowance for change orders). Funding is available in the Adopted FY 2008/09 Falcon Field Operations budget.

## Coordinated With

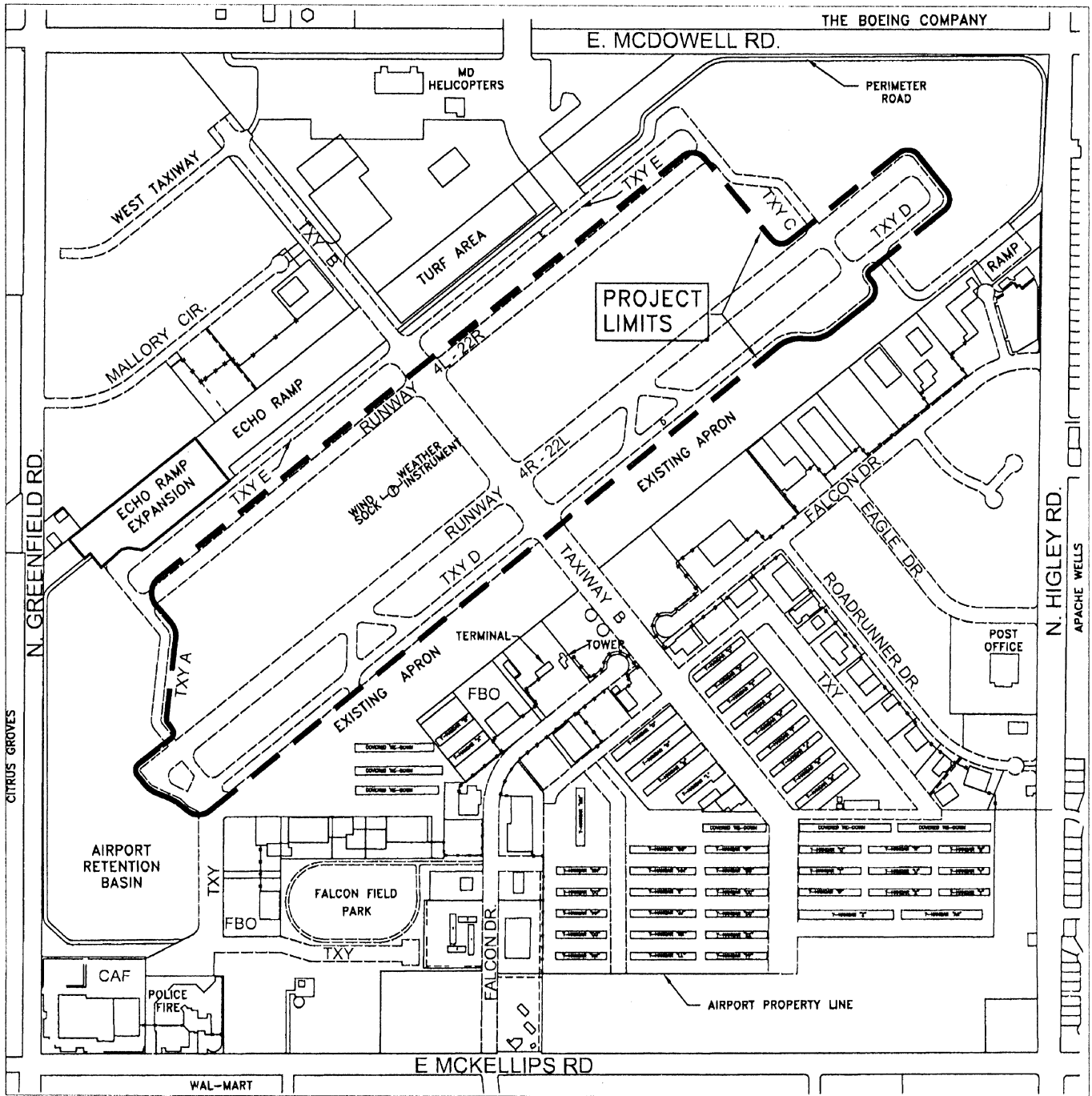
Falcon Field Airport concurs with this recommendation.

  
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Kelly Jensen, Assistant City Engineer

  
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Elizabeth Huning, City Engineer

  
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Jack Friedline, Deputy City Manager

File:ESProject:108-912-001 Falcon Field - Pavement Preservation(CAD)Pavement Preservation & Marking Improvements.dwg 02/23/08



PROJECT LIMITS: RWY 4R-22L, RWY 4L-22R, AND TAXIWAY D (NEW MARKINGS ONLY).

LOCATION: S3 T1N R6E

**EXHIBIT "A"**  
**FALCON FIELD AIRPORT**  
**PAVEMENT PRESERVATION AND**  
**MARKING IMPROVEMENTS**  
**CITY PROJECT NO. 08-912-001**



Budget Information:  
FY 08/09 Falcon Field Operations Budget

CITY OF MESA  
MESA, ARIZONA

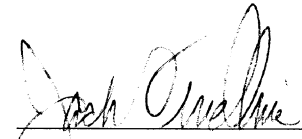
FALCON FIELD AIRPORT PAVEMENT PRESERVATION  
AND MARKING IMPROVEMENTS

**PROJECT NO. 08-912-001**

Tabulation of Bids Received, Thursday, February 19, 2009, at 3:00 P.M.

<b>ENGINEER'S ESTIMATE</b>	<b>\$405,215.00</b>
1. Cactus Asphalt Inc.	\$293,951.65
2. CBJ Asphalt and Concrete Contractors LLC	\$322,582.00
3. Cholla Pavement Maintenance Inc.	\$352,896.80
4. CPC Construction Inc.	Not Read – Did not Acknowledge Addendum

Recommend award to low bidder, Cactus Asphalt Inc., in the amount of \$293,951.65 plus an additional \$29,395.17 (10% allowance for change orders) for a total award of \$323,346.82.

  
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Jack Friedline  
Deputy City Manager