



# FALCON FIELD AIRPORT

## CONSTRUCTION & PROJECTS UPDATE

(AVAILABLE ON-LINE AT: [WWW.MESAAZ.GOV/FALCON\\_FIELD](http://WWW.MESAAZ.GOV/FALCON_FIELD))



**JULY 2009**

The City of Mesa is continually working to maintain, modernize and improve the facilities at Falcon Field Airport. A major part of funding for most aviation-related projects is the federal Airport Capital Improvement Program (otherwise known as "ACIP"). This program allows for federal aviation funds to cover up to 95% of the total cost of all federally eligible aviation projects.

The Arizona Department of Transportation (ADOT) Aeronautics Division contributes a 2.5% matching grant towards federally funded projects through the state aviation fund. ADOT Aeronautics also provides funding for 90% of eligible State/Local projects costs. The Airport Enterprise Fund provides the remaining funding for these projects. For Federal/State/Local projects that level is typically 2.5% and 10% for State/Local projects. Specific, non-grant eligible projects may be funded by the Airport Capital Budget at 100% of the project costs.

### CURRENT PROJECTS

**Project 01-492-001, Airport Master Plan Update** - The airport master plan is a comprehensive analysis of airport needs and alternatives with the purpose of providing direction for the future development of this facility. This project updates the current 1992 Airport Master Plan. **Project Status:** The final draft presentation to the City Council has been placed on hold. The master plan update, along with the 1992 master plan, may be viewed on-line at: [www.mesaaz.gov/falcon\\_field](http://www.mesaaz.gov/falcon_field).

<b>Start Date:</b>	March 2007	<b>Funding Source:</b>	FAA Airport Improvement Program (80%)
<b>Estimated Completion Date:</b>	April 2009		State Aeronautics Grant (15%)
<b>Estimated Cost:</b>	\$215,000		Airport Capital Budget (5%)

**Project 09-902-001, Building Demolition** – This project will demolish two existing buildings located at 5035 E. Roadrunner Drive as part of the overall project to design and construct a future taxiway across Roadrunner Drive. **Project Status:** The Contractor is in the process of submitting and awaiting final approval for all required permits prior to the City issuing the notice to proceed (NTP). Once the NTP is issued, the contractor has 30 calendar days to complete the project.

<b>Estimated Start Date:</b>	August 2009	<b>Funding Source:</b>	State Aeronautics Grant (90%)
<b>Estimated Completion Date:</b>	August 2009		Airport Capital Budget (10%)
<b>Estimated Cost:</b>	\$65,000		

**Project 06-023-001, East Development Area (Phase 1)(DESIGN)** – This project is designing the first phase of the future taxiway across Roadrunner Drive to provide aircraft access to the land located on the east side of the airport that is currently not accessible by aircraft. Roadrunner Drive will also be extended to connect with Higley Road, two (2) vehicle access gates will be provided for tenant access on each side of Roadrunner Drive, additional fencing and new landscaping will be added. **Project Status:** The 100% design is in progress.

<b>Start Date:</b>	April 2008	<b>Funding Source:</b>	State Aeronautics Grant (90%)
<b>Estimated Completion Date:</b>	July 2009		Airport Capital Budget (10%)
<b>Estimated Cost:</b>	\$138,000		

**Project 07-038-001, NW Quadrant Access Roads/Vehicle Access Control (Phase 4)** – This project is designing and will construct access roads and vehicle gate access at the Echo Ramp on Mallory Circle, from Greenfield Road to the Reilly Aviation hangars and the North cul-de-sac on Falcon Drive and complete miscellaneous fence installation not completed in previous phases. This project is part of the airport’s continuing effort to enhance the safety, utility and quality of Falcon Field. **Project Status:** The design is in progress and the project is scheduled to be placed out for bid in August.

<b>Start Date:</b>	March 2009	<b>Funding Source:</b>	Airport Operating Budget (100%)
<b>Estimated Completion Date:</b>	December 2009	<b>Estimated Cost:</b>	\$400,000

**Project 06-078-001, Runway Safety Project – Airfield Drainage System Improvements (DESIGN)** This project will design and construct flush-mounted storm drain inlets in the runway safety areas for both runways and will re-grade the slope of the storm drains channel paralleling Runway 4L-22R. Both project goals are intended to help reduce the potential for damage to aircraft entering into the runway safety areas and will also provide additional wildlife mitigation by removing potential shelter locations. This project is part of the airport’s continuing effort to enhance the safety, utility and quality of Falcon Field. **Project Status:** The airport has received a federal grant for the design portion of this project and is currently underway. The Airport will request a Federal grant for the construction of the project next spring.

<b>Start Date:</b>	March 2009	<b>Funding Source:</b>	FAA Airport Improvement Program (95%)
<b>Estimated Completion Date:</b>	July 2009		State Aeronautics Grant (2.5%)
<b>Estimated Cost:</b>	\$25,000		Airport Capital Budget (2.5%)

**Project 04-850-001, Runway Safety Project – Runway 4R Run-Up Area (CONSTRUCT)** – This project will construct a dedicated run-up area for Runway 4R and allow for aircraft to conduct run-ups without blocking Taxiways Alpha and Delta. **Project Status:** The project was awarded by City Council on April 6<sup>th</sup> and the pre-construction activities are taking place.

<b>Start Date:</b>	August 2009	<b>Funding Source:</b>	FAA Airport Improvement Program (95%)
<b>Estimated Completion Date:</b>	October 2009		State Aeronautics Grant (2.5%)
<b>Estimated Cost:</b>	\$720,000		Airport Capital Budget (2.5%)

## UPCOMING PROJECTS

*Note: The projects & the timelines listed for Federal Aviation Administration and/or ADOT Aeronautics projects are subject to funding.*

**Project 06-078-001, Runway Safety Project – Airfield Drainage System Improvements (Construction)** This project will construct the flush-mounted storm drain inlets in the runway safety areas for both runways and re-grade the slope of the storm drain channels paralleling Runway 4L-22R. Both project goals are intended to help reduce the potential for damage to aircraft entering into the runway safety areas and will also provide additional wildlife mitigation by removing potential shelter locations. This project is part of the airport’s continuing effort to enhance the safety, utility and quality of Falcon Field. **Project Status:** The Airport will request a Federal grant for the construction of the project next spring.

<b>Start Date:</b>	TBD	<b>Funding Source:</b>	FAA Airport Improvement Program (95%)
<b>Estimated Completion Date:</b>	TBD		State Aeronautics Grant (2.5%)
<b>Estimated Cost:</b>	TBD		Airport Capital Budget (2.5%)

## COMPLETED PROJECTS

*Note: Within the last 6 months*

**Project 08-912-001, Runway Safety Project – Pavement Preservation and Marking Improvements** – This project designed and provided pavement crack sealing, seal coating and miscellaneous repairs for Runway 4R-22L and Runway 4L-22R. In addition to the re-striping of existing pavement markings, new markings recommended by the FAA Runway Safety Action Team were installed to include movement/non-movement area markings between the parking ramps and Taxiways Delta and Echo, surface painted guidance markings along Taxiway Bravo and the installation of the new FAA enhanced taxiway centerline markings airport-wide. This project is part of the airport's continuing effort to enhance the safety, utility and quality of Falcon Field.

**Start Date:** May 2009                      **Funding Source:** Airport Operating Budget (100%)  
**Completion Date:** June 2009  
**Project Cost:** \$323,000

**Project 04-850-001, Runway Safety Project – Vehicle Access Control (Phase 3)** – This project installed the third phase of vehicle access control system as part of the airport's continuing efforts to adequately secure the airport to preclude the inadvertent entry of vehicles, pedestrians and wildlife onto the airport. The access control system will not be activated until after the airport provides notice to tenants to acquire their gate cards. This is anticipated to occur once the Phase 4 Vehicle Access Control project has been completed. There will be at least a two-month issuance period prior to the system being activated. This project is part of the airport's continuing effort to enhance the safety, security, and quality of Falcon Field.

**Start Date:** August 2008                      **Funding Source:** FAA Airport Improvement Program (95%)  
**Completion Date:** February 2009                      State Aeronautics Grant (2.5%)  
**Project Cost:** \$1,100,000                      Airport Capital Budget (2.5%)

**Project 01-496-001, Echo Ramp Extension** – This project designed and constructed an aircraft parking apron extension of the Echo Ramp, installed fifty-two (52) additional aircraft tie downs on the North side of the airport and installed security lighting along the northern edge of the entire Echo Ramp.

**Start Date:** May 2008                      **Funding Source:** State Aeronautics Grant (90%)  
**Completion Date:** March 2009                      Airport Capital Budget (10%)  
**Project Cost:** \$1,200,000

**Project 06-033-001, Higley Ramp Reconfiguration (DESIGN)** – This project redesigned the aircraft parking layout on the Higley Ramp (from Taxiway Bravo northeast towards Marsh Aviation) to maximize the number of open tie downs available for aircraft parking, designed pavement maintenance (crack-sealing and seal coating), and designed apron security lighting. The project design is complete; however, due to budgetary considerations, the project will bid in a future fiscal year.

**Start Date:** June 2008                      **Funding Source:** Airport Capital Budget (100%)  
**Completion Date:** June 2009  
**Project Cost:** \$18,850

**For additional information regarding airport projects, contact:**

**Jeff Tripp, Airport Projects Supervisor**  
**480-644-4230 or jeffrey.tripp@mesaaz.gov**

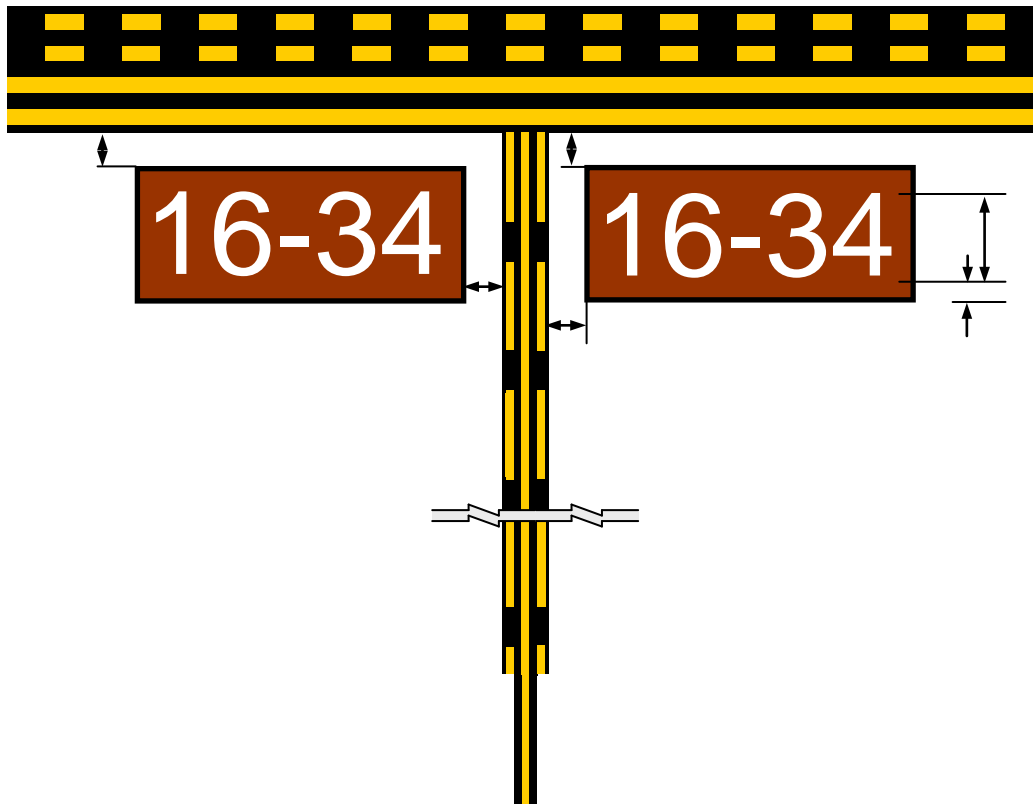
## NEW AIRPORT PAVEMENT MARKINGS: ENHANCED MARKINGS FOR RUNWAY HOLDING POSITION

Enhanced taxiway markings are intended to provide additional visual cues to taxiing pilots to help them identify the location of the runway holding position and may be used as a runway incursion prevention initiative.

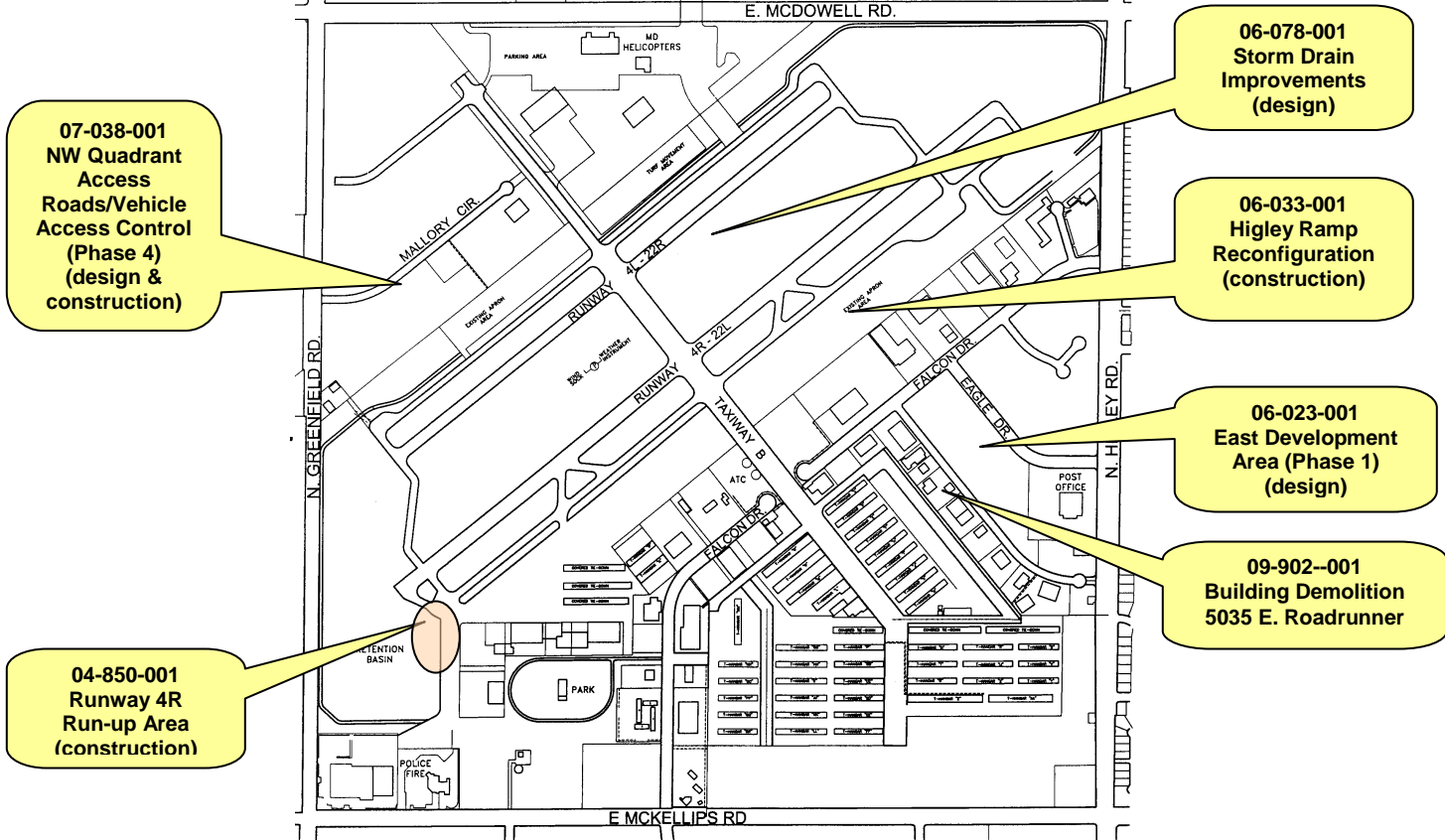


## NEW AIRPORT PAVEMENT MARKINGS: SURFACE PAINTED SIGNS

Surface painted holding position signs supplement the runway holding signs located at the holding position in accordance with current AC 150/5340-18, *Standards for Airport Sign Systems*. These markings provide additional visual cues to alert pilots of an upcoming runway holding position, identify the location as a runway holding position, and confirm the runway designation. Surface painted taxiway direction signs supplement the taxiway signs located in accordance with AC 150/5340-18. Both of these pavement markings have been installed at locations along Taxiway B as part of the airport's runway safety program.



## Current & Future Projects



## Completed Projects

