



SHOW LOW REGIONAL AIRPORT, ARIZONA

Transportation

WILCOX ROLE

Wilcox has a long history of successful projects at Show Low Regional Airport and over twenty years of continuous involvement with the development of airports completing over forty airport development projects, including a full range of airside and landside improvements, project planning and programming, and the administration of both Federal Aviation Administration (FAA) and state grants.

PROJECT DESCRIPTIONS

Security Fencing & Access Control

Due to the prevalence of large wildlife species in proximity to the airport, an eight foot chain link fence including a three-stranded barbed wire extension was constructed around the airport perimeter. The total length of the fence was 23,680 feet. Airfield access was provided by four automatic vehicle gates and four personnel swing gates linked by an access control system wired directly to the airport terminal building. Five additional manual swing gates were installed along the fence line to provide access to areas of future development. This fence will assist the Airport in obtaining part 139 certification and provide a deterrent for large, herding wildlife that present a threat to air operations. Wilcox completed programming, design and administration of this project under budget.

AWOS Install

This project provided for installation of an AWOS III-PT type Automatic Weather Observing System with present weather and lightning detection options at the Airport. A bid alternative to provide an automatic download link of information through the National Airspace Data Interchange Network (NADIN) was included in this system which makes local weather information available to the National Weather Service. Data from the weather station is transmitted to the operator terminal via radio link.

ARFF Facility: Phase I & Vehicle

Wilcox was responsible for programming, design, construction administration and equipment acquisition for; the construction of a 5,200 square foot ARFF, a snow removal equipment storage facility, and the acquisition of a new, small rapid response dual agent fire-fighting vehicle.

ARFF Facility

This project was the final phase of construction to establish a full time fire station at the Airport. Included in this phase were office space, living quarters and vehicle bays totaling 6,327 square feet. Direct airfield access was achieved by construction of a paved access road connected to Taxiway A.

Widen Runway 6/24

Relocate MIRL & Overlay Runway 3/21

Wilcox provided professional services including design, grant and construction administration services. The airfield improvements consisted of placement of a modified friction course overlay for Runway 3/21, widening Runway 6/24 from 75' to 100', installation of underground edge drains along the perimeter of Runway 6/24 and relocation of existing electrical equipment including MIRLs, MITLs, PAPIs and REILs.

Grade, Drain & Surface Runway Taxiway & Extension, MIRL MITL

Responsibilities included: preparation of plans, specifications, contract documents, bidding, inspection and construction administration for the rehabilitation and extension of Runway 6/24, Parallel Taxiway A, MIRL and MITL. The project included:

- Runway rehabilitation of approximately 52k SY of 6"-8" asphalt concrete utilizing an overlay method
- 1,000'x75' extension of Runway 6/24, 1,000'x50' extension of parallel Taxiway A including a cross taxiway and run-up area
- 2" asphalt concrete overlay of parallel Taxiway A
- Aircraft parking apron & cross taxiways (100k SY)
- 15k linear feet of storm drain to enhance airfield drainage & infield safety
- 17k linear feet of edge drain along Runway 6/24, Parallel Taxiway A & cross-taxiways to provide sub base drainage
- New MIRL & MITL
- Reinstallation of PAPI to accommodate 2 displaced thresholds

A total of 33,000 tons of asphalt concrete were placed in 28 days during a scheduled 30-day runway closure.