



# Airport Master Plan

EXECUTIVE SUMMARY

## BACKGROUND

In 2006, the Town of Marana completed an Airport Master Plan Update for the Marana Regional Airport. The Airport Master Plan provides a 20-year long-range strategic forecast of future aviation demands on the community and the airport facilities and infrastructure needed to support the aviation requirements. The ultimate goal of the master plan is to provide systematic guidelines for the airport's overall development and operation.

An important part of the master planning process was public involvement. A Planning Advisory Committee (PAC), made up of technical and aviation professionals as well as local community representatives, met several times and reviewed and commented on all of the work as it progressed. There were three public information workshops for interested individuals to offer comments and learn about the study. In addition, all of the working documents were published on the internet where interested individuals could review the study and make comments as the study progressed.

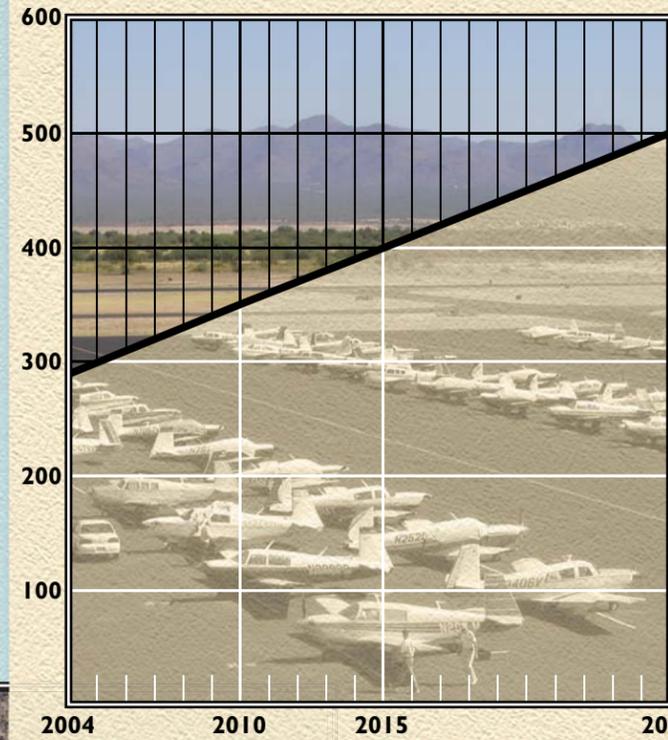


## FORECASTS

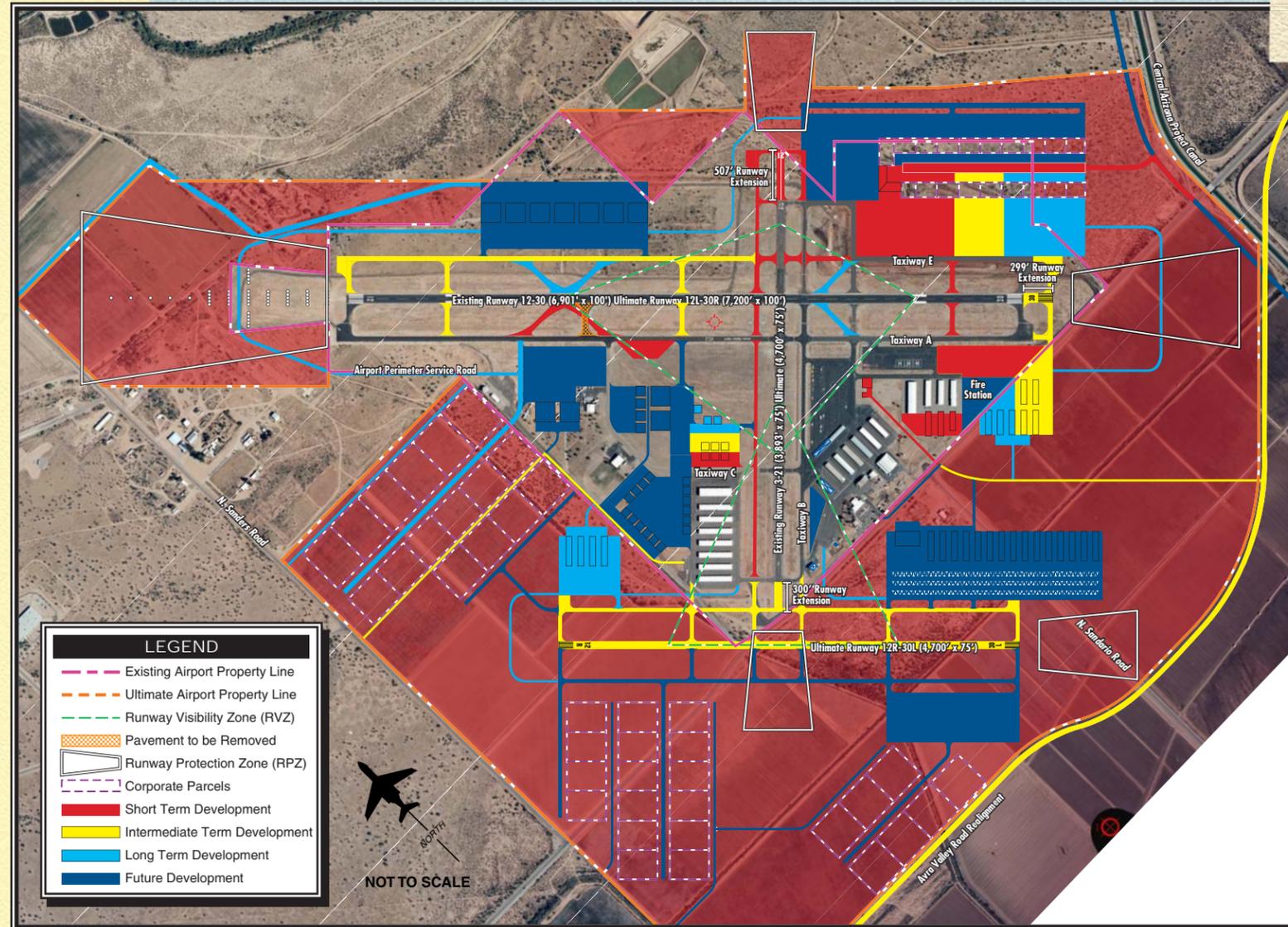
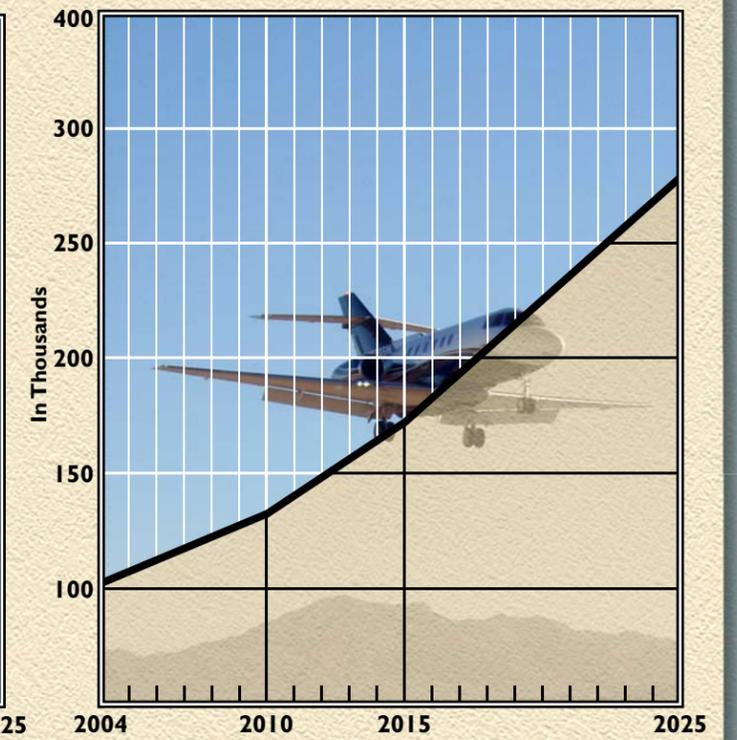
Assessing the potential demand for aviation services and facilities is an important part of the planning process. The primary indicators of aviation demand are the number of based aircraft, and the number of takeoffs and landings (operations).

A summary of the aviation activity forecasts for the Marana Regional Airport is presented in the following graphs.

## BASED AIRCRAFT



## TOTAL OPERATIONS



### SHORT TERM PROGRAM

- Property Acquisition for runway protection zones and facility expansion
- Construct additional aircraft parking apron
- Construct new airport terminal
- Construct additional hangar facilities
- Extend Runway 3-21 507' northeast
- Construct aircraft wash rack
- Relocate fuel farm
- Construct airport traffic control tower
- Construct exit taxiways for Runway 12L-30R
- Pavement Preservation

### INTERMEDIATE TERM PROGRAM

- Realign Avra Valley Road
- Extend Runway 12L-30R 299' southeast
- Construct additional aircraft parking apron
- Construct parallel Runway 12R-30L
- Extend Runway 3-21 300' southwest
- Construct additional hangar facilities
- Construct exit taxiways for Runway 12L-30R
- Pavement preservation

### LONG TERM PROGRAM

- Construct additional hangar facilities
- Construct additional aircraft parking apron
- Construct high-speed exit taxiways for Runway 12L-30R
- Construct taxiway to allow runway system access for corporate parcels
- Pavement preservation
- Construct Perimeter Service Road

## RECOMMENDED DEVELOPMENT PROGRAM

The recommended development program is a demand-based program, rather than a time-based program, which means facilities will be developed when needed and not according to a calendar schedule. This provides airport management with the flexibility to change the priority of specific development projects in order to meet existing needs and produces a cost-efficient scheduling of capital improvements.

The Marana Regional Airport is located in a region expected to experience strong socioeconomic growth. Most of this growth will be new growth or from residents and businesses of the Tucson metropolitan area moving closer to Marana.

With two existing runways, the longest measuring 6,901 feet, the airport currently operates as a general aviation reliever airport to Tucson International Airport. To better serve the existing and projected corporate aircraft and flight training activity, the plan identifies a 299-foot extension of Runway 12L-30R. Runway 3-21 will be extended from 3,893 feet to 4,700 feet and will be primarily used for flight training and small aircraft operations. In order to accommodate the forecast demand, a parallel runway will be required to increase the airport's capacity. Parallel Runway 12R-30L is also planned to have a length of 4,700 feet and will be used for flight training and small aircraft operations.

The development of additional aircraft storage hangars, parking apron, fueling facilities, general aviation terminal, airport traffic control tower, and other aviation services at the airport have been planned to provide a location for aircraft owners in Pima and Pinal County, especially those living in the northwest Tucson metropolitan area, to base their aircraft.

## DEVELOPMENT FUNDING

Detailed costs were prepared for each development item included in the program. Complete implementation of the plan will require a total financial commitment of approximately \$76.2 million over the long-term. Nearly 90-97.5% percent of the recommended program funding could be funded through state or federal grant-in-aid programs.

The source for federal monies is through the Airport Improvement Program (AIP). This program is administered by the Federal Aviation Administration (FAA) and has been established to maintain the integrity of the air transportation system. The AIP program is funded from the Aviation Trust Fund which is the depository for federal aviation taxes such as those from airline tickets, aviation fuel, aircraft registrations, and other aviation related fees. Federal AIP funding of 95 percent can be received from the FAA for eligible projects.



The Arizona Department of Transportation (ADOT) also provides a separate state funding mechanism which receives annual funding appropriation from the collection of statewide aviation-related taxes. Eligible projects can receive up to 90 percent funding from ADOT for non-federally funded projects. In addition, one-half or 2.5% of the local share required for federal AIP funding is eligible for grant funding through ADOT.

The table above depicts the breakdown of federal, state, and local funding for the implementation of the Master Plan.

	Total Costs	FAA Share	ADOT Share	Local Share
<b>SHORT TERM PROGRAM</b>	\$39,007,000	\$22,963,400	\$13,955,800	\$2,087,800
<b>INTERMEDIATE PROGRAM</b>	\$25,450,000	\$18,743,500	\$5,393,750	\$1,312,750
<b>LONG RANGE PROGRAM</b>	\$11,753,800	\$10,786,110	\$283,845	\$683,845
<b>TOTAL PROGRAM COSTS</b>	\$76,210,800	\$52,493,010	\$19,633,395	\$4,084,395

## PLAN DEVELOPMENT AND IMPLEMENTATION

With the airport master plan completed, the most important challenge is implementation. The cost of developing and maintaining aviation facilities is a substantial investment which yields impressive benefits for the community. This plan and associated development program provides the tools airport management will require to meet the challenges of the future. By providing a safe and efficient facility, the Marana Regional Airport will continue to be a valuable asset to the

Town of Marana and the surrounding community.

## ADDITIONAL INFORMATION

To review the entire Airport Master Plan Update, please visit [www.marana.com](http://www.marana.com) and look under the Airport section of the Town of Marana's web site.



If you have any questions about the Master Plan Update, or the airport, please contact the airport staff at:

**Town of Marana**  
**Marana Regional Airport**  
 11700 W. Avra Valley Road #91  
 Marana, AZ 85653  
 (520) 682-9565  
 FAX (520) 682-5758  
[www.marana.com](http://www.marana.com)



Prepared by:

