

Master Plan

SCOTTSDALE AIRPORT



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Master Plan

WHAT IS AN AIRPORT MASTER PLAN?

- Planning document required by the FAA that facilitates development at the airport (per Advisory Circular 150/5070-6B, Airport Master Plans).
- Comprehensive study of the airport that evaluates the facility's aviation demand.
- Provides for short, intermediate, and long term planning horizons that encompass a 20-year planning period.
- Serves as a strategic tool for establishing airport improvement priorities and obtaining funding.

WHAT IT ISN'T.

- It is not a business plan.

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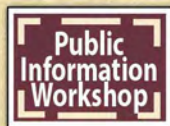
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11-15-2012



6-10-2013



10-1-2013

STUDY INITIATION

- Scope of Service
- Establish PAC
- Goals and Objectives

Airport Advisory
Commission

10-10-2012

INVENTORY

- Airport Facilities
- Area Socioeconomic Data
- Airport Access and Parking, Utilities, and Aerial Photography
- Airspace and Air Traffic Activity
- Local Planning and Land Use
- Project Web Site

FORECASTS

- Based Aircraft and Fleet Mix
- Annual Operations



FACILITY REQUIREMENTS

- Design Categories
- Support Facilities
- Hangar Facilities
- Aprons
- Runway Length and Strength
- Taxiways
- Terminal Building
- Navigational Aids

Continued...



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AIRPORT ALTERNATIVES

- Evaluate Development Scenarios
 - Airside
 - Landside

Airport Advisory Commission

10-8-2014

PAC #4

Public Information Workshop

10-7-2014

WORKING PAPERS
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Continued...



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RECOMMENDED MASTER PLAN CONCEPT ENVIRONMENTAL OVERVIEW

- Detailed Master Plan Facility and Land Use Plans
- Review/Evaluation of NEPA Environmental Categories
- Noise Exposure

FINANCIAL PLAN / CAPITAL IMPROVEMENTS

- Airport Development Schedule
- Cost Estimates
- Funding Sources
- Economic Benefit Study

AIRPORT LAYOUT PLANS

- Airport Layout Plan
- Airspace/Approach Drawings
- Property Map
- Landside Drawing
- On-Airport Land Use Plan



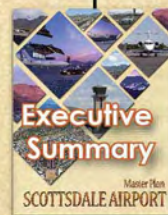
1-6-2015



4-8-2015



5-12-2015



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Table 6A:

FORECAST SUMMARY BY PLANNING HORIZON
(Master Plan Forecast approved by the FAA on August 7, 2014)

	Base Year (2012)	Short Term	Intermediate Term	Long Term
BASED AIRCRAFT				
Single Engine Piston	191	195	200	210
Multi-Engine Piston	27	27	26	25
Turboprop	31	38	45	62
Jet	105	122	138	173
Helicopter	14	18	21	30
Total Based Aircraft	368	400	430	500
AIRCRAFT OPERATIONS*				
<i>General Aviation</i>				
Itinerant	74,255	78,225	82,950	94,500
Local	63,246	66,675	70,350	78,750
<i>Air Taxi</i>				
Itinerant	15,258	15,645	16,590	18,900
<i>Military</i>				
Itinerant	526	520	520	520
Local	112	110	110	110
Total Itinerant Operations	90,039	94,390	100,060	113,920
Total Local Operations	63,358	66,785	70,460	78,860
Total Annual Operations	153,397	161,175	170,520	192,780

*Operations are adjusted by 5% to account for the hours (9:00 p.m.- 6:00 a.m.) when the ATCT is closed.

Source: Coffman Associates analysis



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AIRPORT CLASSIFICATION

- Historical aircraft activity supports RDC D-III designation
- Environmental Assessment - proposed strengthening of runway and associated taxiways to 100,000 pounds DWL
- The Aviation Department and the FAA have determined that increasing the pavement strength up to 100,000 pounds DWL would require the airport to meet D-III standards
- Master Plan - not practicable to meet D-III standards

Moving Forward

- RDC D-II designation
- Pavement strength to remain at 75,000 pounds DWL
- PPR remains effective (which will allow 100,000 pound aircraft to still operate)
- Pursuit of Modification to Design Standards

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Exhibit 5A: MASTER PLAN CONCEPT

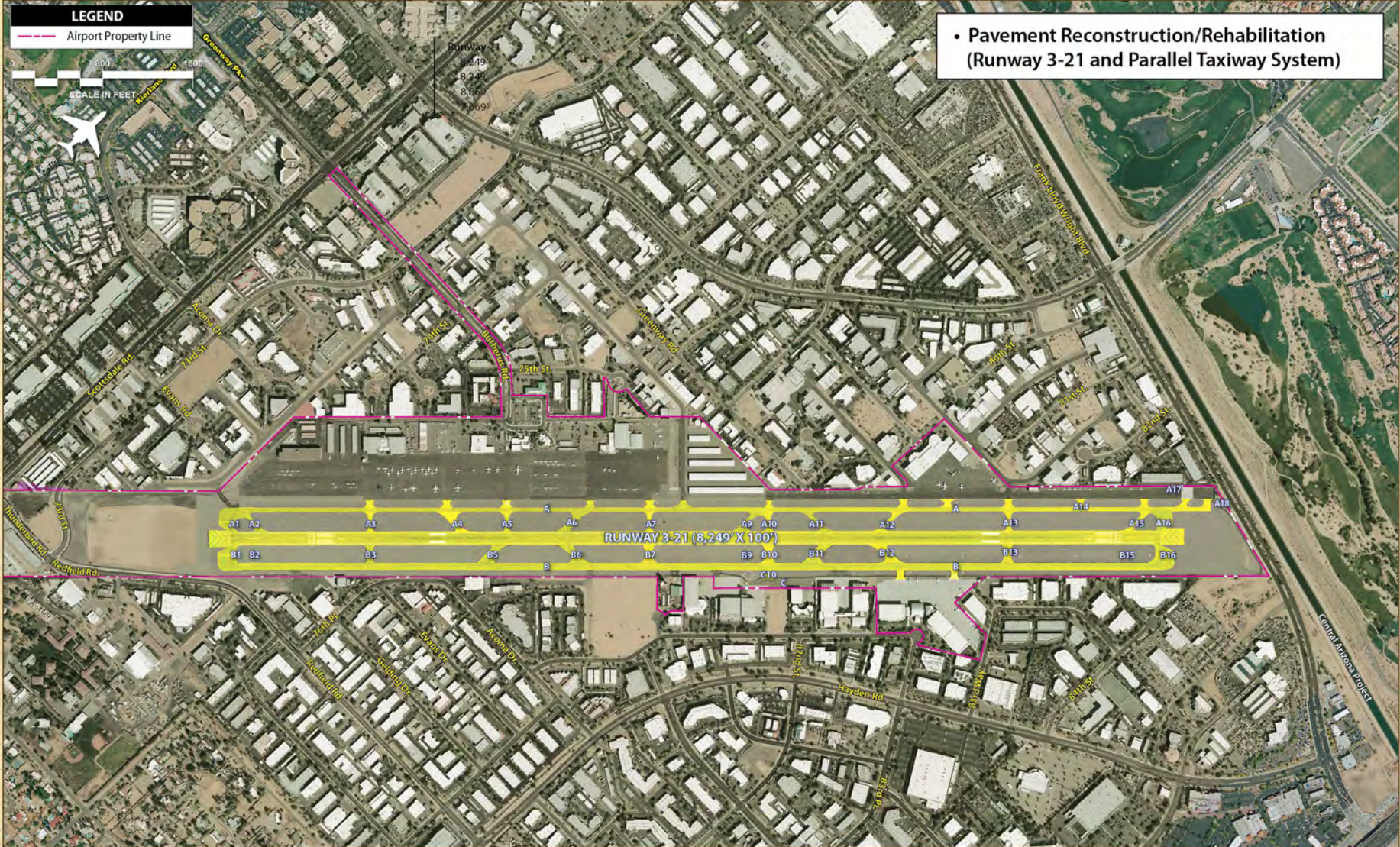
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SIGNIFICANT DEVELOPMENT PROJECTS

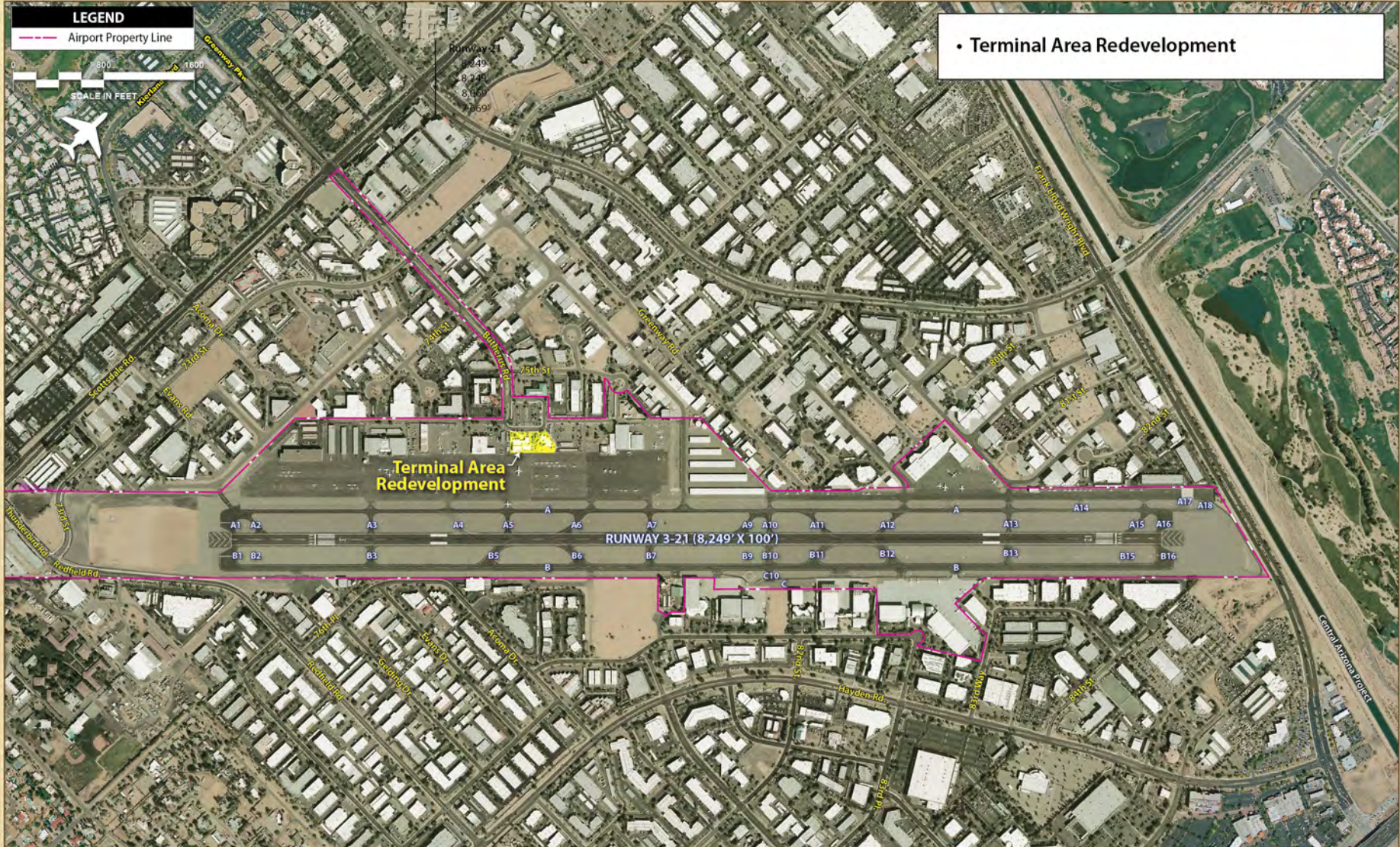
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SIGNIFICANT DEVELOPMENT PROJECTS

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SIGNIFICANT DEVELOPMENT PROJECTS

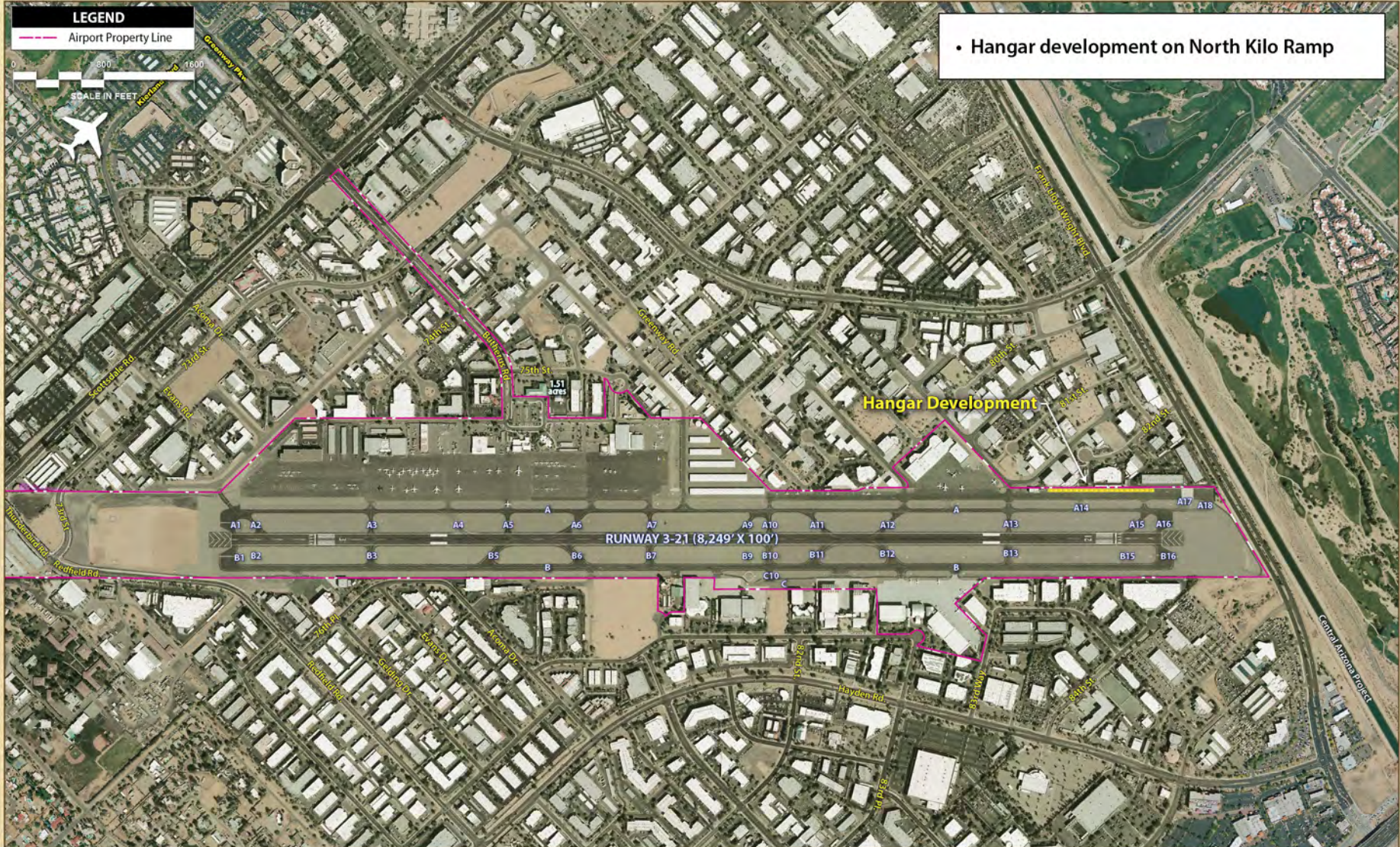
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SIGNIFICANT DEVELOPMENT PROJECTS

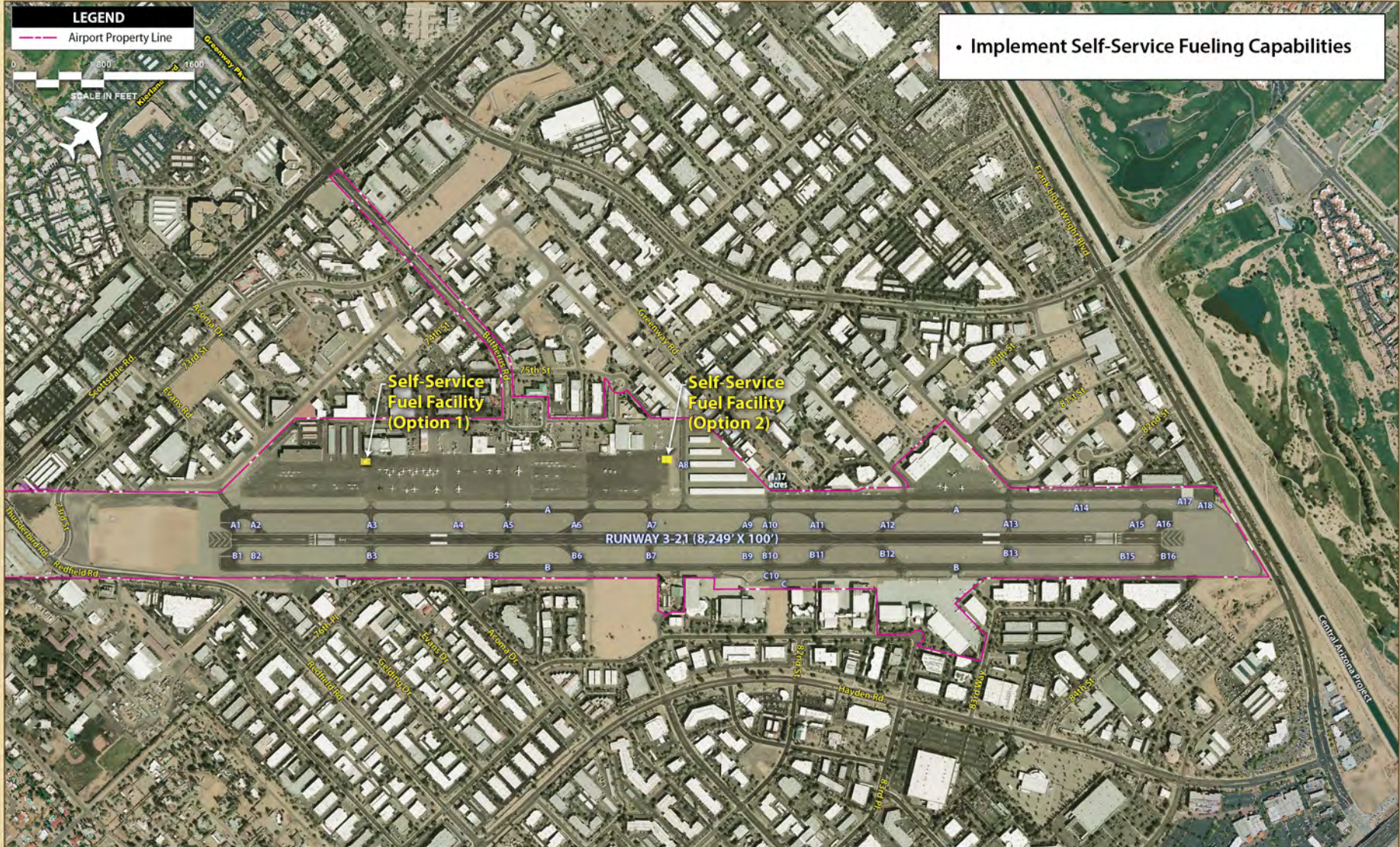
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SIGNIFICANT DEVELOPMENT PROJECTS

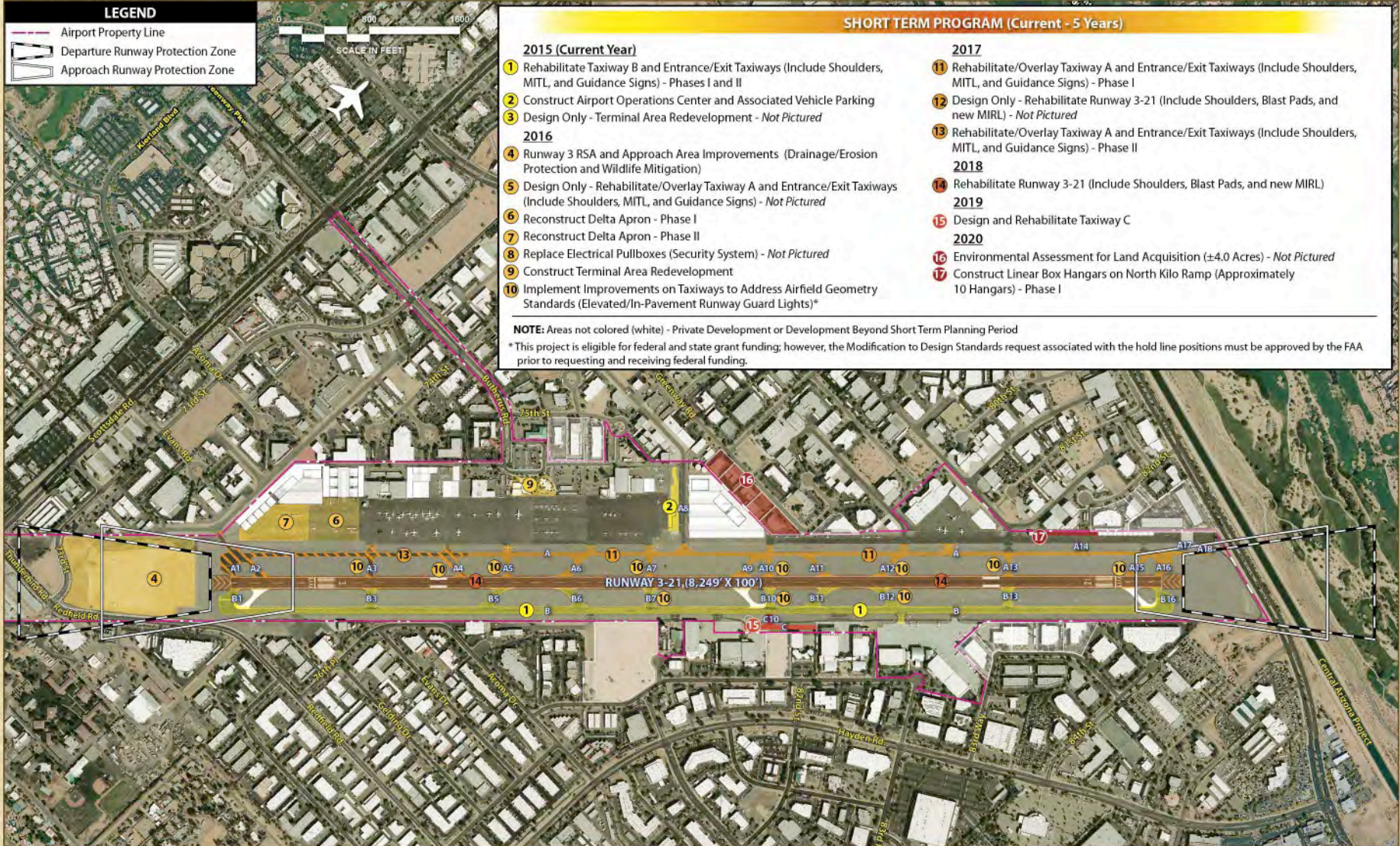
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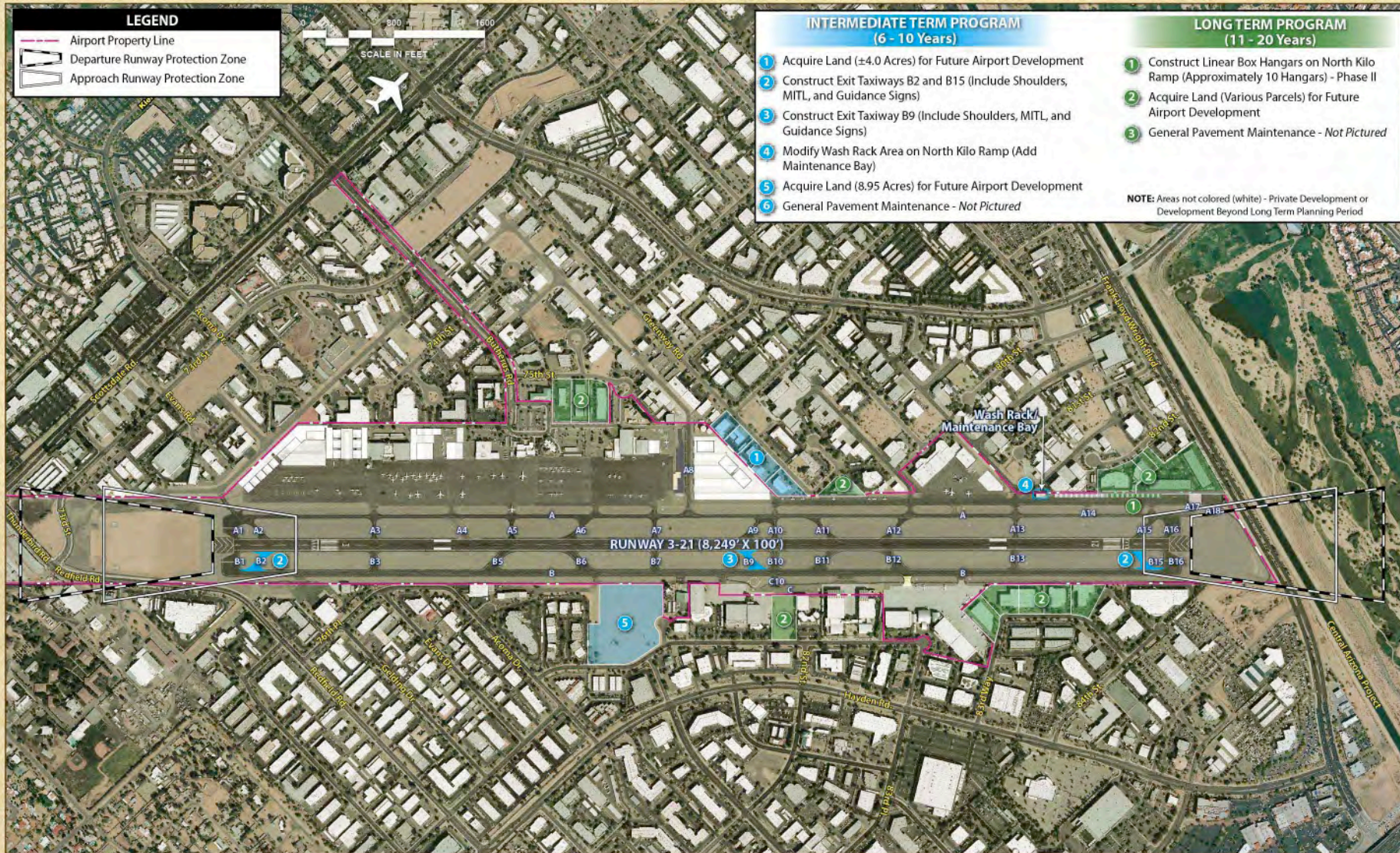
Exhibit 6B: CIP DEVELOPMENT STAGING - SHORT TERM PROGRAM



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Exhibit 6C: CIP DEVELOPMENT STAGING - INTERMEDIATE & LONG TERM PROGRAM

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Exhibit 6A:

CAPITAL IMPROVEMENT PROGRAM - TOTALS

PROJECT DESCRIPTION	TOTAL PROJECT COST	FAA SHARE	ADOT SHARE	LOCAL SHARE
SHORT TERM PROGRAM (CURRENT - 5 YEARS)	\$53,465,984	\$21,011,474	\$8,849,422	\$23,605,088
INTERMEDIATE TERM PROGRAM (6-10 YEARS)	\$21,777,300	\$19,602,759	\$962,270	\$1,212,270
LONG TERM PROGRAM (11-20 YEARS)	\$47,103,100	\$41,248,450	\$2,024,825	\$3,829,825
CAPITAL IMPROVEMENT PROGRAM TOTAL	\$122,346,384	\$81,862,683	\$11,836,517	\$28,647,184

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ALP DRAWING SET

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SCOTTSDALE, ARIZONA



AIRPORT LAYOUT PLANS INDEX OF DRAWINGS

1. TITLE SHEET
2. AIRPORT DATA SHEET
3. AIRPORT LAYOUT DRAWING
4. NORTH LANDSIDE AREA DRAWING
5. SOUTH LANDSIDE AREA DRAWING
6. AIRPORT AIRSPACE PART 77 DRAWING
7. RUNWAY 3-21 INNER AND OUTER APPROACH DRAWING
8. ON-AIRPORT LAND USE DRAWING
9. EXHIBIT "A" PROPERTY MAP
10. DEPARTURE SURFACE DRAWING



VICINITY MAP



LOCATION MAP



ARIZONA

No.	REVISIONS	DATE	BY	APPD
1	ISSUED FOR PERMITS	03/09	MM	-
2	ADDED RUNWAY 3-21 APPROACH AND DEPARTURE SURFACE	03/09	MM	MM
3	ADDED CONCOURSE, AIRSIDE, SECURITY AND OTHER AIRSIDE IMPROVEMENTS	03/09	MM	MM
4	ADDED CONCOURSE, AIRSIDE, SECURITY AND OTHER AIRSIDE IMPROVEMENTS AND AIRSIDE IMPROVEMENTS	03/09	MM	MM
5	ADDED CONCOURSE, AIRSIDE, SECURITY AND OTHER AIRSIDE IMPROVEMENTS AND AIRSIDE IMPROVEMENTS	03/09	MM	MM
6	ADDED CONCOURSE, AIRSIDE, SECURITY AND OTHER AIRSIDE IMPROVEMENTS AND AIRSIDE IMPROVEMENTS	03/09	MM	MM
7	ADDED CONCOURSE, AIRSIDE, SECURITY AND OTHER AIRSIDE IMPROVEMENTS AND AIRSIDE IMPROVEMENTS	03/09	MM	MM
8	ADDED CONCOURSE, AIRSIDE, SECURITY AND OTHER AIRSIDE IMPROVEMENTS AND AIRSIDE IMPROVEMENTS	03/09	MM	MM
9	ADDED CONCOURSE, AIRSIDE, SECURITY AND OTHER AIRSIDE IMPROVEMENTS AND AIRSIDE IMPROVEMENTS	03/09	MM	MM
10	ADDED CONCOURSE, AIRSIDE, SECURITY AND OTHER AIRSIDE IMPROVEMENTS AND AIRSIDE IMPROVEMENTS	03/09	MM	MM

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TITLE SHEET
SCOTTSDALE, ARIZONA

PLANNED BY: Matt O'Leary

DETAILED BY: Matt O'Leary

APPROVED BY: James W. Harris, P.E.

March 2010

SHEET 1 OF 10



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HIGHLIGHTS

Total Economic Benefits of Scottsdale Airport/Airpark

- Aviation activity at the Airport and in the Airpark created \$536 million total economic benefits for the region in FY 2014
- Aviation activity supported 3,462 jobs with incomes of \$186.2 million
- Catalytic (spin-off) non-aviation activity added benefits of \$8.2 billion

Economic Benefits on the Airport

- The 61 private employers on the Airport had revenues of \$134 million
- There are 588 aviation jobs on the Airport with incomes of \$40 million

Economic Benefits on the Airpark

- The 104 aviation-related Airpark firms reported revenues of \$150 million
- The 818 aviation-related jobs on the Airpark create incomes of \$49 million

Air Visitors to Scottsdale Airport

- Visitors arriving at Scottsdale Airport spent \$43.9 million off the Airport
- On an average day, air visitors inject \$120,000 into the area economy

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AIRPORT MASTER PLAN OUTREACH

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News articles				
Arizona Republic: Scottsdale Community, NE Valley <i>(1,495,000 total circulation)</i>	Oct. 3, 2013			
Scottsdale Airpark News <i>(25,000 copies)</i>	Nov. 15, 2013 April 29, 2015			
North Scottsdale Independent <i>(15,000 copies)</i>	Jan. 8, 2015 Jan. 13, 2015			
Sonoran News <i>(59,000 page views every week by nearly 14,500 visitors)</i>	June 19, 2013			
No Plane, No Gain article	March 31, 2015			
Public Meetings	Nov. 15, 2012	Oct. 1, 2013	Oct. 7, 2014	Jan. 6, 2015
Website Postings				
Scottsdale Airport Website <i>(Approximately 1,690,030 visitors annually)</i>	x	x	x	x
Scottsdale Master Plan Website	x	x	x	x
Newspaper Ads				
Arizona Republic, Zones 7, 8 and 9	x	x	x	x
Scottsdale Update – City weekly media tip sheet <i>(5,100 subscribers)</i>	x	x	x	x
Email List Serve Notices				
Airport tenant, users and community subscribers <i>(Average 2,000)</i>	x	x	x	x
Other Promotions				
Promoted at NBAA Annual Convention <i>(27,000 attendees)</i>			x	x
Social Media: Twitter @FlyScottsdale <i>(169 followers)</i>			x	x
Scottsdale Area Chamber of Commerce announcements	x		x	x
Airport Advisory Commission	x	x	x	x



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QUESTIONS, COMMENTS, DISCUSSION