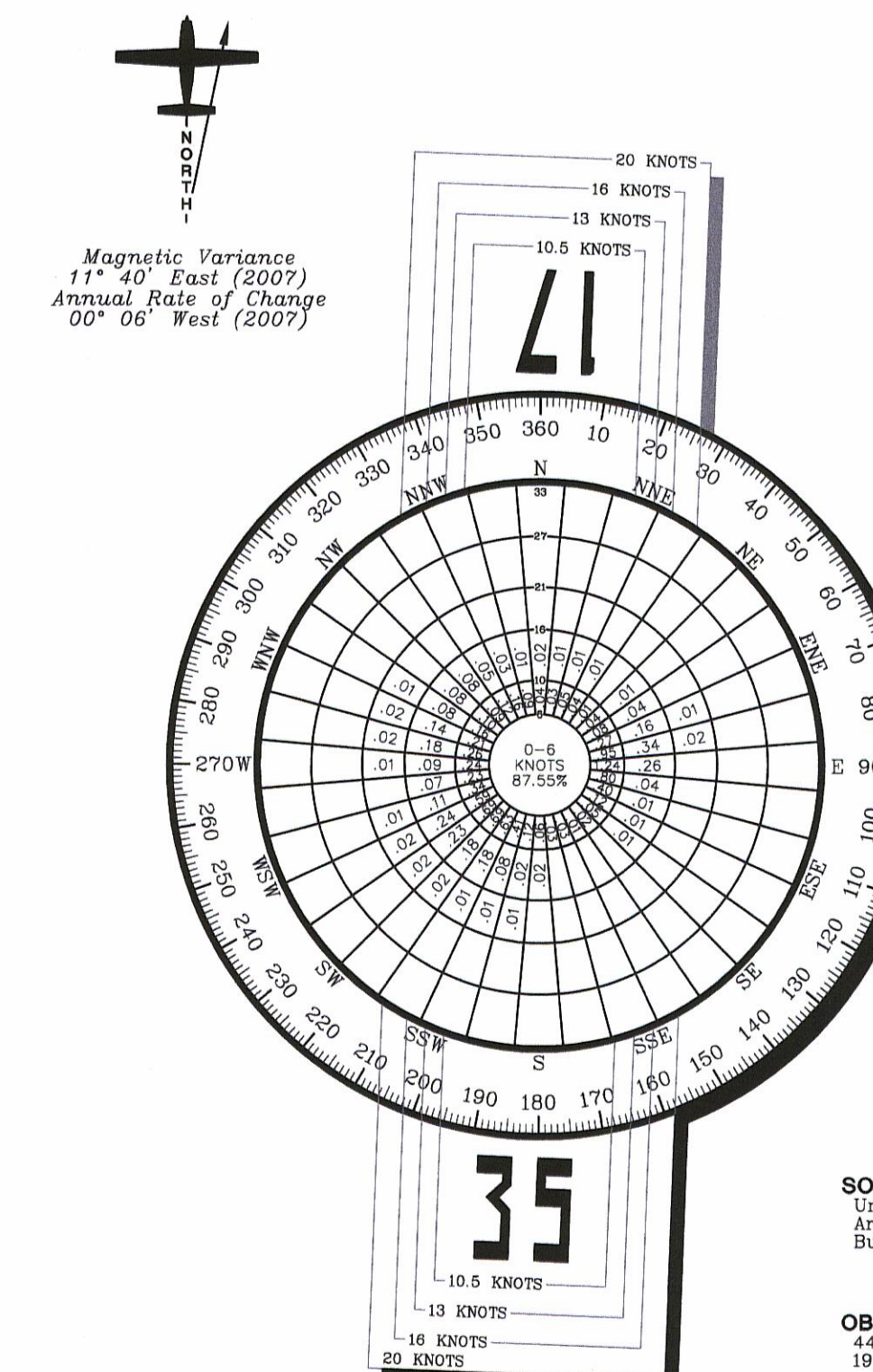


LOCATION MAP

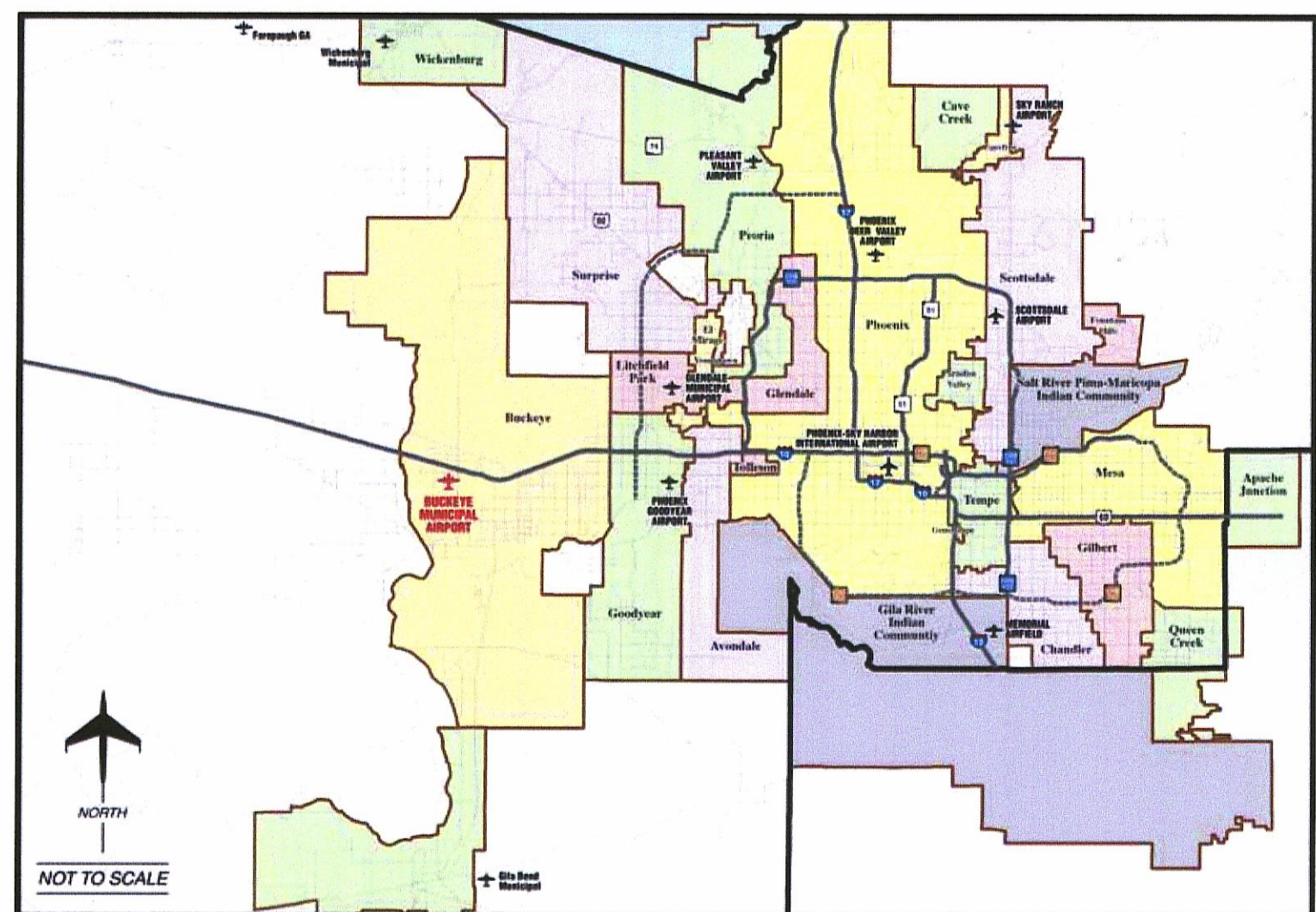
RUNWAY DATA	RUNWAY 17L-35R		RUNWAY 17R-35L	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
RUNWAY CATEGORY/AIRCRAFT DESIGN GROUP	B-II	C-II	---	B-I (SMALL AIRCRAFT)
CRITICAL DESIGN AIRCRAFT	CITATION III	CANADAIR CL600	---	KINGAIR B100
UNDERCARRIAGE WIDTH (FEET)	9.04'	10.5'	---	13.0'
WINGSPAN OF DESIGN AIRCRAFT	53.5'	61.8'	---	45.8'
APPROACH SPEED OF DESIGN AIRCRAFT (KNOTS)	114	125	---	111
MAXIMUM TAKE OFF WEIGHT (lb.)	22,000lbs	41,250lbs	---	11,000lbs
RUNWAY AZIMUTH	2.03°	SAME	---	2.03°
RUNWAY BEARING (TRUE)	N02°00'00"E	SAME	---	N02°00'00"E
RUNWAY DIMENSIONS	5,500' X 75'	8,700' X 100'	---	4,300' X 60'
ELEVATION OF RWY. TOUCH DOWN ZONE (MSL)	1032.7'	1045.00'	---	1015.0'
ELEVATION OF RUNWAY HIGH POINT (above MSL)	994.7'	987.0'	---	990.0'
ELEVATION OF RUNWAY LOW POINT (above MSL)	1032.7'/994.7'	1045.00'/987.0'	---	1015.00'/990.0'
WIND COVERAGE IN MPH/KNOTS	12.1/10.5-98.022%	15/13-98.95%	18/16-99.83%	23/20-99.98%
APPROACH VISIBILITY MINIMUMS	ONE MILE/ONE MILE	ONE MILE/HALF MILE	---	ONE MILE
14 CFR PART 77 CATEGORY	VISUAL/VISUAL	NONPREC/PRECISION	---	VISUAL/UTILITY
RUNWAY INSTRUMENTATION	VISUAL/VISUAL	NONPREC/PRECISION	---	VISUAL
RUNWAY APPROACH SURFACES	20.1/20.1	34.1/50.1	---	20.1
RUNWAY THRESHOLD DISPLACEMENT	NONE	SAME	---	SAME
RUNWAY SAFETY AREA WIDTH (RSA)	150'	400'	---	120'
RSA DISTANCE BEYOND EACH RUNWAY END	300'/300'	1000'/1,000'	---	240'/240'
RUNWAY OBJECT FREE AREA WIDTH (OFA)	500'	800'	---	250'
OFA DISTANCE BEYOND EACH RUNWAY END	300'/300'	1,000'/1,000'	---	240'/240'
RUNWAY OBSTACLE FREE ZONE WIDTH (OFZ)	400'	400'	---	250'
OFZ DISTANCE BEYOND EACH RUNWAY END	200'/200'	200'/200'	---	200'/200'
LINE OF SIGHT REQUIREMENT MET	YES	SAME	---	YES
RUNWAY PAVEMENT MATERIAL	ASPHALT	SAME	---	ASPHALT
RUNWAY PAVEMENT SURFACE TREATMENT	NONE	GROOVED	---	NONE
PAVEMENT STRENGTH (in thousand lb.)	30.0(S)	30(S) 75(D)	---	12.5(S)
RUNWAY EFFECTIVE GRADIENT (in %)	0.07%	SAME	---	SAME
MAXIMUM GRADIENT (in %)	0.34%	SAME	---	SAME
RUNWAY LIGHTING	MIRL	HIRL	---	MIRL
RUNWAY MARKINGS	BASIC/BASIC	NONPREC/PRECISION	---	NONE
RUNWAY APPROACH LIGHTING	NONE	MALSR	---	NONE
RUNWAY TAXIWAY SEPARATION	240'	400'	---	150'
TAXIWAY PAVEMENT MATERIAL	ASPHALT	SAME	---	ASPHALT
TAXIWAY WINGTIP CLEARANCE	22.4'	26.0'	---	20.0'
TAXIWAY LIGHTING	MITL	HIRL	---	MITL
TAXIWAY MARKING	CENTERLINE, HOLD LINES	SAME	---	CENTERLINE, HOLDLINE
TAXIWAY OBJECT FREE AREA	131'	186'	---	35'
TAXIWAY SAFETY AREA WIDTH	79'	118'	---	49'
TAXIWAY CL TO FIXED OR MOVEABLE OBJECT	26'	34'	---	---
DISTANCE FROM RWY. CL TO HOLD BARS	250'	SAME	---	125'
VISUAL AIDS	PAPI-2 (17) PAPI-4 (35) REILS	PAPI-4 (17L) PAPI-4 (35R) REILS	---	PAPI-2 REILS
NAVIGATIONAL AIDS	VORTAC GPS	SAME CAT I ILS (35R) GPS	---	---

1 Pavement strengths are expressed in Single(S), Dual(D), Dual Tandem(DT), and/or Double Dual Tandem(DDT) wheel loading capacities.
 Note: Rwy. 17-35 Exist. 75% of large airplanes (less than 60,000 lb.) at 80% useful load. Ult. 75% of large airplanes (less than 60,000 lb.) at 90% useful load.
 Parallel Rwy. 100% of small airplanes.

ALL WEATHER WIND COVERAGE				
Runways	10.6 Knots	13 Knots	16 Knots	20 Knots
	12 MPH	15 MPH	18 MPH	23 MPH
Runway 17-35	98.02%	98.95%	99.83%	99.98%



SOURCE:
 University of Arizona
 Arizona Meteorological Network
 Buckeye Site: 38° 54' N, 112° 41' W
 2.5 Miles South of I-10
 along Interstate Canal
 and Palo Verde Road
 OBSERVATIONS:
 44,901 All Weather Observations
 1998-2006



VICINITY MAP

AIRPORT DATA	
BUCKEYE MUNICIPAL AIRPORT (BYK)	
CITY: BUCKEYE, ARIZONA	COUNTY: MARICOPA
RANGE: 4 WEST	TOWNSHIP: 1 NORTH
CIVIL TOWNSHIP: ---	
	EXISTING
AIRPORT SERVICE LEVEL	GENERAL AVIATION
AIRPORT REFERENCE CODE	B-II
AIRPORT ELEVATION	1032.7' MSL
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH	107.3° F (July)
AIRPORT REFERENCE POINT	Latitude 33°25'13.5000" N
(ARP) COORDINATES (NAD 83)	Longitude 112°41'10.2510" W
NAVAIDS	ROTATING BEACON
	VORTAC
	GPS
	PAPI's
	REILS
	CAT I - ILS
	ATCT
	REILS
	MALSR

RUNWAY END COORDINATES (NAD 83)		
RUNWAY	EXISTING	ULTIMATE
Runway 17 (17L)	Latitude 33°25'48.3240" N Longitude 112°41'09.1010" W	Latitude 33°26'06.1270" N Longitude 112°41'08.3940" W
Runway 35 (35R)	Latitude 34°24'53.7180" N Longitude 119°41'11.7090" W	Latitude 33°24'40.1080" N Longitude 112°41'11.9760" W
Runway 17R	---	Latitude 33°24'54.1910" N Longitude 112°41'19.6530" W
Runway 35L	---	Latitude 33°25'36.7050" N Longitude 112°41'17.8690" W

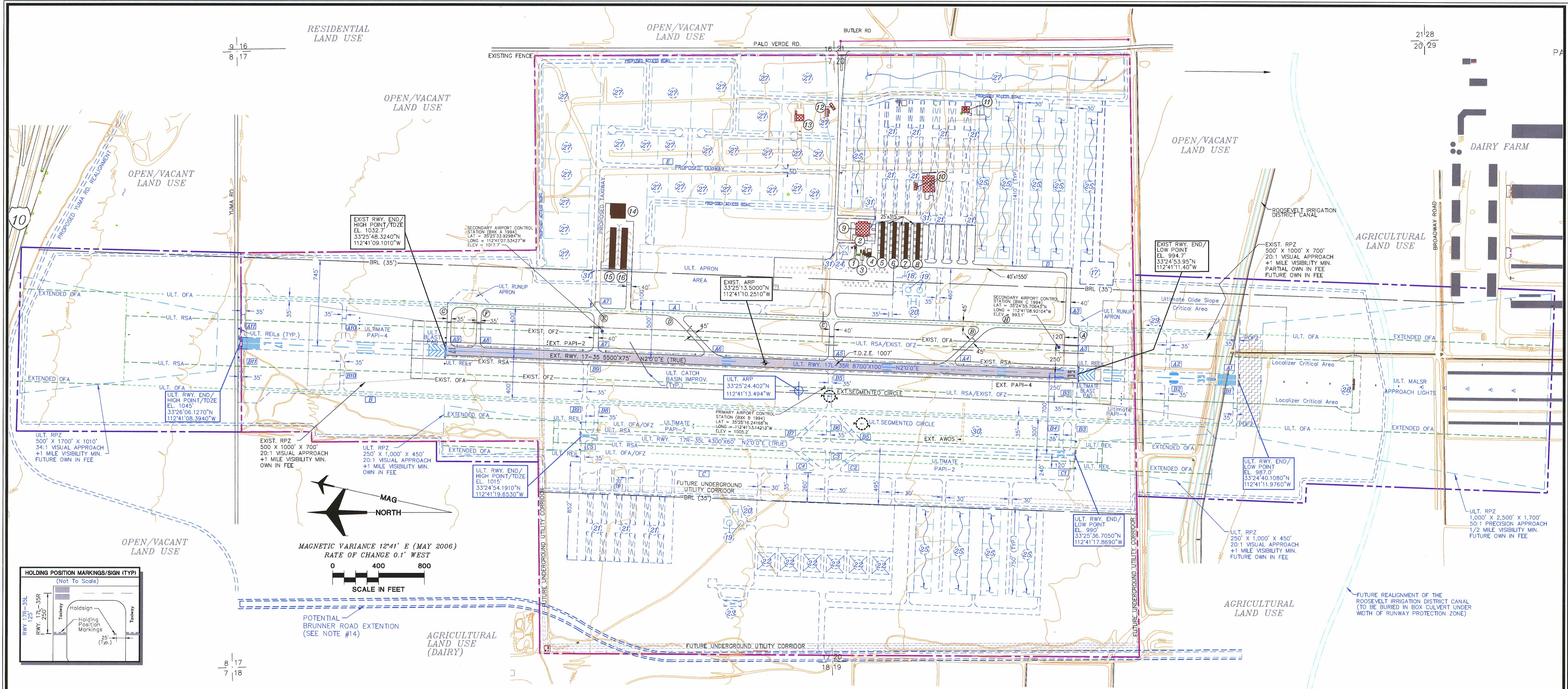
No.	REVISIONS	DATE	BY	APP'D.
1	ACIP PROJECTS AND UPDATES (REVALIDATION)	12/15/11	---	---
2	MASTER PLAN UPDATE (CONDITIONAL APPROVAL)	09/14/2007	BA	11/08/2007
3	RUNWAY EXTENSION (REVALIDATION)	11/18/1997	---	07/20/2004
4	ADDITION OF ACIP PROJECTS (REVALIDATION)	---	---	08/02/2001
5	MP UPDATE STUDY (CONDITIONAL APPROVAL)	---	---	12/15/1997

BUCKEYE MUNICIPAL AIRPORT
 AIRPORT DATA SHEET
 BUCKEYE, ARIZONA

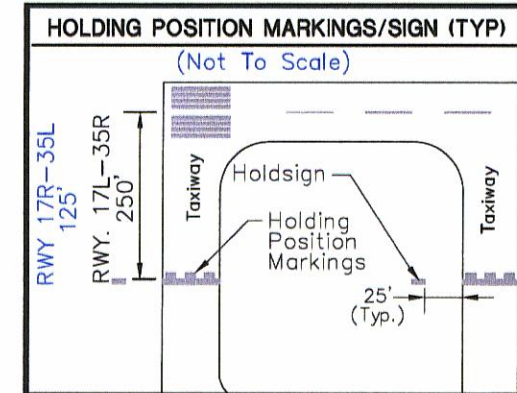
PLANNED BY: Christopher Kuginin
 DETAILED BY: Maggie Beaver
 APPROVED BY: James M. Harris P.E.



Coffman Associates 01 BDK DATA 12 15 2011.dwg 12 15 2011



21/28
20/29



EXISTING	ULTIMATE	DESCRIPTION
---	---	AIRPORT PROPERTY LINE
---	---	AIRPORT REFERENCE POINT (ARP)
---	---	AIRPORT ROTATING BEACON
N/A	---	BUILDING AND FACILITIES
---	---	BUILDINGS TO BE REMOVED
---	---	BUILDING RESTRICTION LINE (BRL)
---	---	OBJECT FREE AREA (OFA)
---	---	RUNWAY SAFETY AREA (RSA)
---	---	OBSTACLE FREE ZONE (OFZ)
---	---	FACILITY CONSTRUCTION
---	---	FENCING
---	---	NAVIGATIONAL AID INSTALLATION
---	---	NAVIGATIONAL AID INSTALLATION
---	---	RUNWAY END IDENTIFICATION LIGHTS (REIL)
---	---	RUNWAY THRESHOLD LIGHTS (RTLL)
---	---	LOCALIZER ANTENNA
---	---	GLIDE SLOPE ANTENNA
---	---	MALS/R
---	---	RUNWAY PROTECTION ZONE (RPZ)
---	---	PRECISION OBSTACLE FREE ZONE (POFZ)
---	---	SEGMENTED CIRCLE/LIGHTED WIND TEE
---	---	WIND INDICATOR (Lighted)
---	---	TOPOGRAPHIC CONTOURS
---	---	SECTION CORNER
---	---	TAXIWAY DESIGNATION
---	---	PRIMARY AIRPORT CONTROL STATION (PACS)
---	---	SECONDARY AIRPORT CONTROL STATION (SACS)
---	---	HOLD POSITION MARKINGS
---	---	HELIPAD

BUILDINGS/FACILITIES			BUILDINGS/FACILITIES		
EXISTING	DESCRIPTION	EL.	ULTIMATE	DESCRIPTION	EL.
1	ELECTRIC VAULT	1020.00'	17	AIRPORT MAINTENANCE AND CONSOLIDATED FUEL STORAGE FACILITY	
2	ROTATING BEACON		18	AIRCRAFT WASH RACK/OIL RECLAMATION CONTAINMENT AREA	
3	FUEL STORAGE	1014.96'	19	HELICOPTER HARD STANDS	
4	TERMINAL BUILDING	1019.60'	20	HELIPAD	
5	T-HANGAR (10 UNITS)	1021.30'	21	T-HANGARS	
6	T-HANGAR (10 UNITS)	1019.70'	22	CONVENTIONAL HANGARS	
7	T-HANGAR (10 UNITS)	1019.10'	23	FUEL STORAGE (WEST SIDE)	
8	T-HANGAR (10 UNITS)	1017.50'	24	AIRPORT TRAFFIC CONTROL TOWER (ATCT)	
9	CONVENTIONAL HANGAR (TO BE REMOVED)	1026.50'	25	AIRCRAFT STORAGE PARCELS	
10	CONVENTIONAL HANGAR/OFFICE SPACE (TO BE REMOVED)	1024.80'	26	AIRPORT ACCESS REVENUE SUPPORT PARCELS	
11	FUEL STORAGE (TO BE REMOVED)	1011.05'	27	REVENUE SUPPORT PARCELS	
12	OFFICE	1022.54'	28	LOCALIZER ANTENNA	
13	CONVENTIONAL HANGAR (TO BE REMOVED)	1031.10'	29	GLIDESLOPE ANTENNA	
14	CONVENTIONAL HANGAR/OFFICE SPACE	1041.20'	30	AUTOMATIC WEATHER OBSERVATION STATIONS (AWOS)	
15	T-SHADE FACILITIES	1039.80'	31	FUTURE GATE ACCESS CONTROL	
16	T-SHADE FACILITIES	1039.80'			

GENERAL NOTES:

1. Depiction of features and objects, including related elevations within the runway protection zones are depicted on the INNER APPROACH SURFACE DRAWING.
2. Details concerning terminal improvements are depicted on the TERMINAL AREA PLANS.
3. Recommended land uses within the airport environs are depicted on the AIRPORT LAND USE PLAN.
4. Detail concerning airport property are depicted on the AIRPORT PROPERTY MAP.
5. The Building Restriction Lines (BRL) are set for the ultimate runway conditions. The BRL's encompass the runway protection zones, the runway object free area, the runway visibility zone, Navaid critical areas and areas required for terminal instrument procedures. The established BRL is an estimate of the minimum distance to the runway for an object for an object 20 feet in height. Prior to constructing any building or object on the airport, a 14 CFR Part 77 obstruction analysis should be conducted.
6. Ultimate fence line extends around Existing/Ultimate Property Line except where shown.
7. Base Map and Contours derived from August 18, 2005 aerial photography and planimetric mapping, surveyed by M&S Aerial Inc.

BUILDINGS/FACILITIES			BUILDINGS/FACILITIES		
EXISTING	DESCRIPTION	EL.	ULTIMATE	DESCRIPTION	EL.
17	AIRPORT MAINTENANCE AND CONSOLIDATED FUEL STORAGE FACILITY		17	AIRPORT MAINTENANCE AND CONSOLIDATED FUEL STORAGE FACILITY	
18	AIRCRAFT WASH RACK/OIL RECLAMATION CONTAINMENT AREA		18	AIRCRAFT WASH RACK/OIL RECLAMATION CONTAINMENT AREA	
19	HELICOPTER HARD STANDS		19	HELICOPTER HARD STANDS	
20	HELIPAD		20	HELIPAD	
21	T-HANGARS		21	T-HANGARS	
22	CONVENTIONAL HANGARS		22	CONVENTIONAL HANGARS	
23	FUEL STORAGE (WEST SIDE)		23	FUEL STORAGE (WEST SIDE)	
24	AIRPORT TRAFFIC CONTROL TOWER (ATCT)		24	AIRPORT TRAFFIC CONTROL TOWER (ATCT)	
25	AIRCRAFT STORAGE PARCELS		25	AIRCRAFT STORAGE PARCELS	
26	AIRPORT ACCESS REVENUE SUPPORT PARCELS		26	AIRPORT ACCESS REVENUE SUPPORT PARCELS	
27	REVENUE SUPPORT PARCELS		27	REVENUE SUPPORT PARCELS	
28	LOCALIZER ANTENNA		28	LOCALIZER ANTENNA	
29	GLIDESLOPE ANTENNA		29	GLIDESLOPE ANTENNA	
30	AUTOMATIC WEATHER OBSERVATION STATIONS (AWOS)		30	AUTOMATIC WEATHER OBSERVATION STATIONS (AWOS)	
31	FUTURE GATE ACCESS CONTROL		31	FUTURE GATE ACCESS CONTROL	

8. Source for existing runway end/displaced threshold coordinates, runway end/displaced threshold elevations: ASIS DataSheet Systems at www.avnsw.com.au/datasheet.
9. All elevations are in NAVD 88 and all horizontal coordinates are in NAD 83.
10. The airport has not been surveyed in accordance with FAA standard 405.
11. No threshold sting surface object penetrations.
12. No OFZ object penetrations.
13. All survey monuments enclosed in concrete casings.
14. Construction of Brunner Road across airport property will depend on an FAA release of airport property or consent of an easement to the Town with a fair market value cost being paid to the airport by the Town of Buckeye.

SUBMITTED BY:
Coffman Associates

FOR APPROVAL BY:

APPROVED BY: *[Signature]* ON THE DATE OF: **20 DEC 2011**
Airport Manager

FAA APPROVAL STAMP

Approved conditionally Nov 8, 2007

Subject to comments contained in our letter dated FEB 29 2012

Revalidated FEB 29 2012

FEDERAL AVIATION ADMINISTRATION
Western-Pacific Region

By: *[Signature]*
Asst. Manager - LAX/ADO

BUCKEYE MUNICIPAL AIRPORT
AIRPORT LAYOUT PLAN
BUCKEYE, ARIZONA

PLANNED BY: Christopher Huginin

DETAILED BY: Maggie Beaver

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

December 15, 2011 SHEET 2 OF 14

Coffman Associates
Airport Consultants
www.coffmanassociates.com

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