THRESHOLD SITING SURFACE OBJECT PENETRATIONS

OBJECT	PENETRATION	DISPOSITION
NONE		

OBSTACLE FREE ZONE (OFZ) OBJECT PENETRATIONS

OBJECT	PENETRATION	DISPOSITION
NONE		

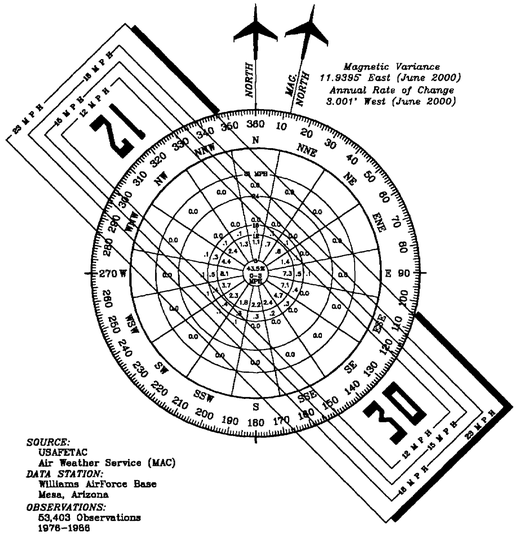
MODIFICATIONS FROM FAA AIRPORT DESIGN STANDARDS

DEVIATION DESCRIPTION	EFFECTED DESIGN STANDARD	STANDARD	EXISTING	PROPOSED DISPOSITION
NONE				

RUNWAY DATA

	RUNWAY 12L-30R		RUNWAY 12C-30C		RUNWAY 12R-30L	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
AIRCRAFT APPROACH CATEGORY-DESIGN GROUP	D-V	D-V	D-V	D-III	D-V	D-V
APPROACH VISIBILITY MINIMUMS	Visual/Visual	1/2 Mile, 1/2 Mile	Visual, 1/2 Mile	Visual/Visual	Visual/Visual	1 Mile, 1 Mile
F.A.R. PART 77 CATEGORY	Visual/Visual	Precision/Precision	Visual/Precision	Visual/Visual	Visual/Visual	Nonprecision/Nonprecision
RUNWAY APPROACH SURFACES	20:1/20:1	50:1/50:1	20:1/50:1	20:1/20:1	20:1/20:1	34:1/34:1
MAXIMUM ELEVATION (Above MSL)	1380	1383	1378	1372	1372	1372
RUNWAY DIMENSIONS	9,301' x 150'	12,501' x 150'	10,201' x 150'	9,214' x 150'	10,401' x 150'	10,401' x 150'
RUNWAY AZIMUTH	135° 33' 43"/315° 34' 25"	135° 33' 43"/315° 34' 25"	135° 33' 24"/315° 34' 10"	135° 33' 24"/315° 34' 10"	135° 33' 05"/315° 33' 52"	135° 33' 05"/315° 33' 52"
RUNWAY BEARING (True)	N 44.44° E	N 44.44° E	N 44.44° E	N 44.44° E	N 44.44° E	N 44.44° E
RUNWAY WIND COVERAGE 12/15 MPH (10.5/13 KNOTS)	98.73%/99.76%	98.73%/99.76%	98.73%/99.76%	98.73%/99.76%	98.73%/99.76%	98.73%/99.76%
RUNWAY THRESHOLD DISPLACEMENT	0'/0'	0'/0'	0'/0'	0'/0'	0'/0'	0'/0'
RUNWAY STOPWAY	0'/0'	0'/0'	0'/0'	0'/0'	0'/0'	0'/0'
RUNWAY SAFETY AREA (RSA)	11,301' x 520'	14,501' x 520'	12,201' x 520'	11,214' x 520'	12,401' x 520'	12,401' x 520'
RUNWAY SAFETY AREA (RSA) BEYOND RWY END	1,000'/1,000'	1,000'/1,000'	1,000'/1,000'	1,000'/1,000'	1,000'/1,000'	1,000'/1,000'
RUNWAY OBSTACLE FREE ZONE (OFZ)	9,701' x 400'	12,901' x 400'	10,601' x 400'	9,614' x 400'	10,801' x 400'	10,801' x 400'
RUNWAY OBJECT FREE AREA (OFA)	11,301' x 800'	14,501' x 800'	12,201' x 800'	11,214' x 800'	12,401' x 800'	12,401' x 800'
RUNWAY OBJECT FREE AREA (OFA) BEYOND RWY END	1,000'/1,000'	1,000'/1,000'	1,000'/1,000'	1,000'/1,000'	1,000'/1,000'	1,000'/1,000'
RUNWAY PAVEMENT SURFACE MATERIAL	Concrete	Concrete	Concrete/Asphalt	Concrete/Asphalt	Concrete	Concrete
RUNWAY PAVEMENT SURFACE TREATMENT	None	None	None	None	None	None
RUNWAY PAVEMENT STRENGTH (in thousand lbs.) [1]	75S/180D/358DT/850DDT	75S/180D/358DT/850DDT	55S/95D/185DT/550DDT	55S/95D/185DT/550DDT	55S/95D/185DT/550DDT	55S/95D/185DT/550DDT
RUNWAY EFFECTIVE GRADIENT	0.237%	0.240%	0.318%	0.308%	0.319%	0.319%
RUNWAY TOUCHDOWN ZONE ELEVATION	1362MSL/1360MSL	1359MSL/1363MSL	1356MSL/1378MSL	1357MSL/1378MSL	1347MSL/1372MSL	1347MSL/1372MSL
RUNWAY MARKING	Precision/Precision	Precision/Precision	Precision/Precision	Nonprecision/Nonprecision	Precision/Precision	Nonprecision/Nonprecision
RUNWAY LIGHTING	HIRL	HIRL	MIRL	MIRL	MIRL	MIRL
RUNWAY APPROACH LIGHTING	None/None	MALSR/MALSR	None/MALSR 30C	None/None	None/None	None/None
TAXIWAY LIGHTING	MITL	MITL	MITL	MITL	MITL	MITL
TAXIWAY MARKING	Centerline/Signage	Centerline/Signage	Centerline/Signage	Centerline/Signage	Centerline/Signage	Centerline/Signage
TAXIWAY SURFACE MATERIAL	Asphalt/Concrete	Asphalt/Concrete	Asphalt/Concrete	Asphalt/Concrete	Asphalt/Concrete	Asphalt/Concrete
TAXIWAY WIDTH	75'	75'	75'	75'	75'	75'
TAXIWAY SAFETY AREA WIDTH	214'	214'	214'	214'	214'	214'
TAXIWAY OBJECT FREE AREA WIDTH	320'	320'	320'	320'	320'	320'
RUNWAY ELECTRONIC NAVICATIONAL AIDS	None	GPS (12L/30R)	ILS (30C) GPS (30C) VOR or TACAN (30C)		None	
RUNWAY VISUAL NAVICATIONAL AIDS	PAPI-4	PAPI-4	PAPI-4	PAPI-4	None	PAPI-4 (12R/30L)

[1]Pavement strengths are expressed in Single(S), Dual (D), Dual Tandem (DT) and Double Dual Tandem (DDT) wheel loading capacities.



ALL WEATHER WIND COVERAGE

	12 M.P.H. (10.5 Knots)	15 M.P.H. (13 Knots)	18 M.P.H. (16 Knots)	23 M.P.H. (20 Knots)
All Runways	98.73%	99.76%	99.90%	100.00%

RUNWAY END COORDINATES (NAD 83)

RUNWAY		EXISTING	ULTIMATE
Runway 12L	Latitude	33° 19' 03.321" N	33° 19' 22.123" N
	Longitude	111° 39' 40.721" W	111° 40' 02.676" W
Runway 30R	Latitude	33° 17' 57.615" N	33° 17' 53.831" N
	Longitude	111° 38' 24.004" W	111° 38' 19.463" W
Runway 12C	Latitude	33° 19' 03.393" N	33° 18' 56.446" N
	Longitude	111° 39' 57.317" W	111° 39' 49.174" W
Runway 30C	Latitude	33° 17' 51.342" N	33° 17' 51.342" N
	Longitude	111° 38' 33.171" W	111° 38' 33.171" W
Runway 12R	Latitude	33° 19' 03.606" N	33° 19' 03.606" N
	Longitude	111° 40' 22.316" W	111° 40' 22.316" W
Runway 30L	Latitude	33° 17' 50.146" N	33° 17' 50.146" N
	Longitude	111° 38' 56.517" W	111° 38' 56.517" W

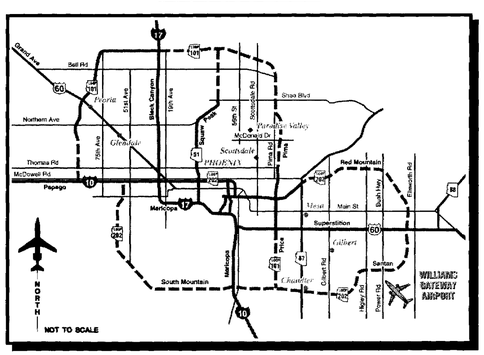
AIRPORT DATA

Williams Gateway Airport (IWA)

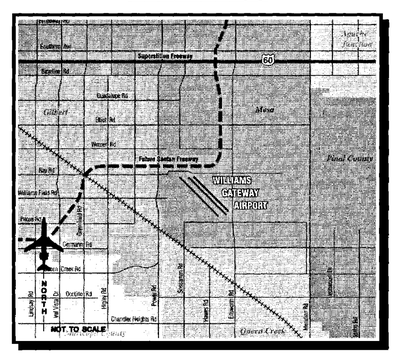
OWNER: Williams Gateway Airport Authority	AIRPORT NPIAS CODE: RL
CITY: Mesa, Arizona	COUNTY: Maricopa, Arizona
RANGE: 6 East TOWNSHIP: 10/11 North	CIVIL TOWNSHIP: N/A

		EXISTING	ULTIMATE
AIRPORT SERVICE LEVEL		General Aviation	Commercial Service
AIRPORT REFERENCE CODE		D-V	D-V
DESIGN AIRCRAFT		Boeing 747	Boeing 747
AIRPORT ELEVATION		1380 MSL	1383 MSL
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH		108.4° F (July)	108.4° F (July)
AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83)	Latitude	33° 18' 28.164" N	33° 18' 30.346" N
	Longitude	111° 39' 19.640" W	111° 39' 20.257" W
AIRPORT INSTRUMENT APPROACHES		ILS (30C) GPS (30C) VORTAC (30C)	GPS (12L-30R) GPS (12R-30L)
AIRPORT and TERMINAL NAVIGATIONAL AIDS		ASR Rotating Beacon Localizer/GS ATCT	ASR Rotating Beacon ATCT VORTAC
GPS Approach		30C	12L/30R

LOCATION MAP



VICINITY MAP



No.	REVISIONS	DATE	BY	APP'D.
1	-	-	-	-

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WILLIAMS GATEWAY AIRPORT

AIRPORT DATA SHEET

MESA, ARIZONA

PLANNED BY: Christopher M. Hugunin
DETAILED BY: Richard A. Lolly
APPROVED BY: James M. Harris

June 9, 2000

Coffman Associates
Airport Consultants