AIRPORT DATA

ELOY MUNICIPAL AIRPORT/2E0			
TOWN: ELOY, ARIZONA	COUNTY: PINAL, ARIZONA		
RANGE: 7 EAST/SEC. 23 TOWNSHIP: 7 SOUTH	CIVIL TOWNSHIP: GILA	ACREAGE: 97.72	
		EXISTING	ULTIMATE
NATIONAL PLAN of INTEGRATED AIRPORT SYSTEMS (NPIAS) SERVICE LEVEL		GENERAL AVIATION	SAME
DESIGN AIRCRAFT		CESSNA CITATION III	SAME
AIRPORT REFERENCE CODE (ARC): RUNWAY CATEGORY/DESIGN GROUP		B-II	SAME
AIRPORT ELEVATION (ABOVE MEAN SEA LEVEL)		1513.3' MSL	SAME
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH		95°F (July)	SAME
AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83)	Latitude	32°48'25.221"N ◁	32°48'31.486"N
	Longitude	111°35'12.444"W ◁	111°35'06.716"W
AIRPORT and TERMINAL NAVIGATIONAL AIDS		ROTATING BEACON	GPS
		--	--
GPS APPROACH		NONE	YES

◁ Existing Airport Reference Point (ARP) coordinates are from FAA Form 5010, AIRPORT MASTER RECORD (last FAA inspection 02/08/2001). Form 5010 notes that these coordinates are "Estimated". In addition, these coordinates are published in the FAA's AIRPORT/FACILITY DIRECTORY, SOUTHWEST U.S. (effective 05/17/2001 to 07/12/2001). See GENERAL NOTES for further information regarding all latitude and longitude coordinates depicted on this and subsequent drawings.

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		BUILDING CONSTRUCTION
	BRL	BUILDING RESTRICTION LINE (BRL)
		DIRT ROAD
		FACILITY CONSTRUCTION
		FENCING
	PAPI-2	NAVIGATIONAL AID INSTALLATION
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
		RUNWAY EDGE LIGHTING - MIRL/HIRL
34.28 / 3.2		SECTION CORNER
		SEGMENTED CIRCLE/WIND INDICATOR
1280		TOPOGRAPHIC CONTOURS

RUNWAY END COORDINATES (NAD 83)*		EXISTING	INTERIM	ULTIMATE
RUNWAY 2	Latitude	32°48'09.949"N	SAME	SAME
	Longitude	111°35'26.406"W	SAME	SAME
RUNWAY 20	Latitude	32°48'40.492"N	32°48'46.757"N	32°48'53.022"N
	Longitude	111°34'58.481"W	111°34'52.752"W	111°34'47.023"W

*See General Notes; Note 1.

BUILDINGS/FACILITIES

EXISTING	ULTIMATE	DESCRIPTION
1	1	FUEL STORAGE
2		AL-DON DUSTING
3		AG-AREO
4		T-HANGARS
5		DMI, INC. (Rigging Innovations)
6		AERO COMMUNICATIONS COMPANY
7		HIGH and DRY BALLOONS
8		PARA-FLITE, INC.
9		AREO SPECIALIST
10		ARIZONA AEROPAINTING
	21	T-HANGARS (6 units)
	22	T-HANGARS (6 units)
	23	T-HANGARS (6 units)
	24	CONVENTIONAL HANGAR (FBO)
	25	CONVENTIONAL HANGAR (FBO)
	26	CONVENTIONAL HANGAR (FBO)
	27	TERMINAL BUILDING

RUNWAY DATA

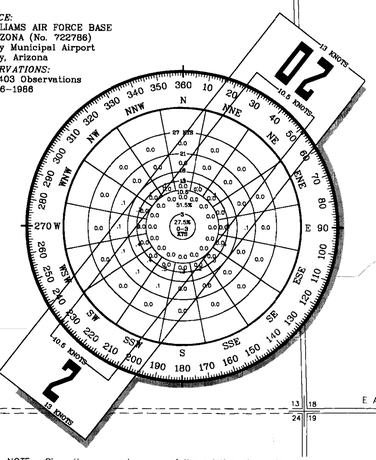
RUNWAY 2-20	EXISTING	ULTIMATE
RUNWAY CATEGORY/AIRCRAFT DESIGN GROUP	B-II	SAME
RUNWAY AZIMUTH	--	--
RUNWAY BEARING (TRUE)	N37.671667°E	SAME
RUNWAY DIMENSIONS (SEE GENERAL NOTES: 1)	3,900' X 60'	6,600' X 75'
MAXIMUM RUNWAY ELEVATION (above MSL)	1513.3'	SAME
WIND COVERAGE (in %)	SEE WIND ROSE	
APPROACH VISIBILITY MINIMUMS (ERE)	1 MILE	SAME
FAR PART 77 CATEGORY (ERE)	VISUAL/VISUAL	SAME
RUNWAY INSTRUMENTATION (ERE)	NONE	SAME
RUNWAY APPROACH SURFACES (ERE)	20:1/20:1	SAME
RUNWAY THRESHOLD DISPLACEMENT	NONE	SAME
RUNWAY STOPWAY	NONE	SAME
RUNWAY SAFETY AREA (RSA)	4,500' X 150'	6,100' X 150'
RSA DISTANCE BEYOND EACH RUNWAY END	300'	300'
RUNWAY OBSTACLE FREE ZONE (OFZ)	4,300' X 400'	6,900' X 400'
RUNWAY OBJECT FREE AREA (OFA)	4,500' X 500'	6,100' X 500'
RUNWAY PAVEMENT MATERIAL	ASPHALT	SAME
RUNWAY PAVEMENT SURFACE TREATMENT	NONE	SAME
PAVEMENT STRENGTH (in thousand lbs.)	12(S)	12(S)/30(D)
RUNWAY EFFECTIVE GRADIENT (in %) [1]	0.1615%	0.0500%
RUNWAY LIGHTING	MIRL	SAME
RUNWAY MARKINGS (ERE)	BASIC/VISUAL	SAME
RUNWAY APPROACH LIGHTING	ODALS(non-operative)	NONE
TAXIWAY PAVEMENT MATERIAL	ASPHALT	SAME
TAXIWAY LIGHTING	NONE	MITL
TAXIWAY MARKING	CENTERLINE	SAME
NAVIGATIONAL AIDS	-- -- --	GPS(RWY. 20) -- --
VISUAL AIDS	-- --	PAPI-2 REIL

[1] Pavement strengths are expressed in Single(S) and/or Dual(D) wheel loading capacities.

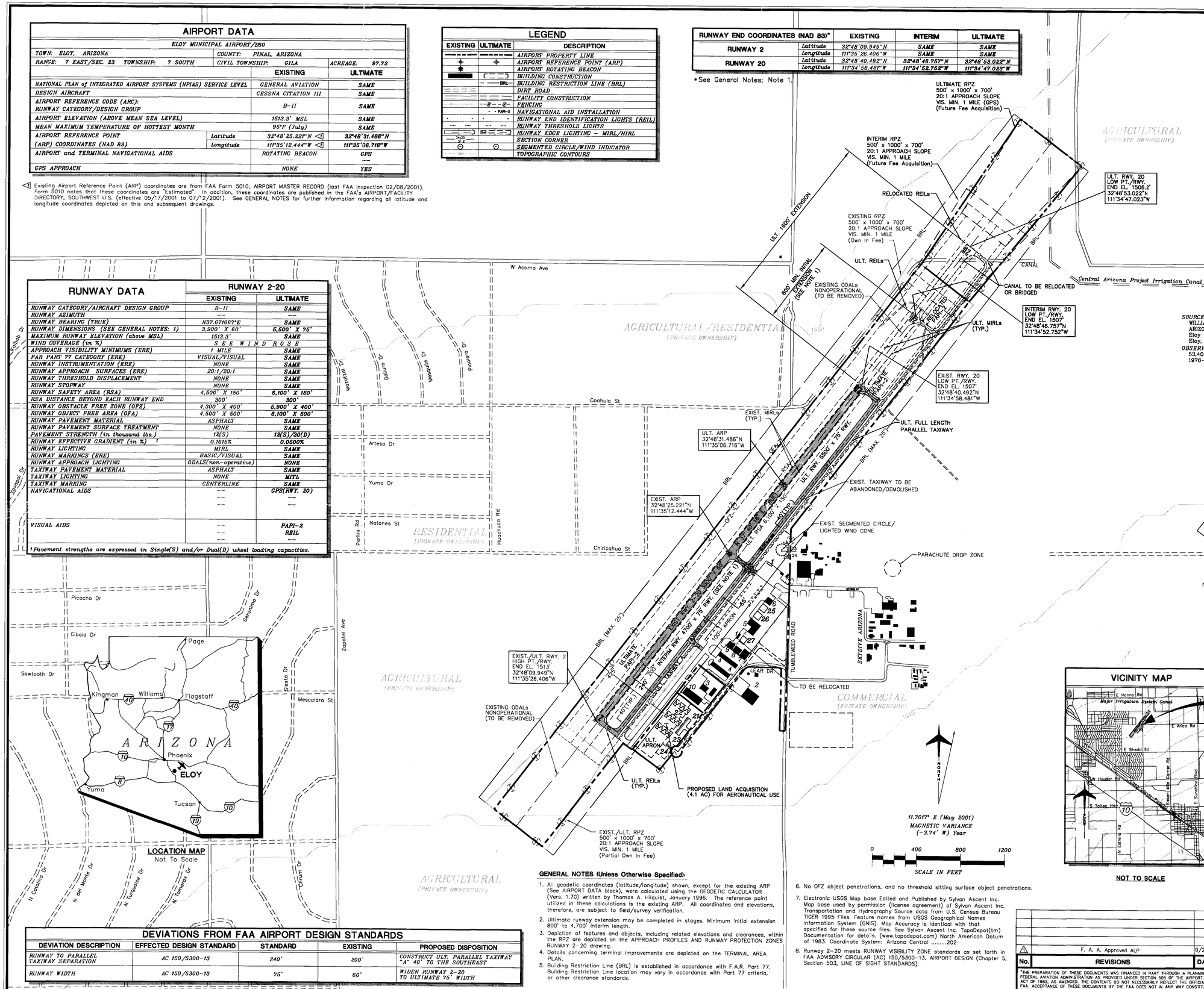
ALL WEATHER WIND COVERAGE

Eloy Municipal Airport	10.5 KNOTS (12 MPH)	13 KNOTS (15 MPH)
Runway 2-20	97.7%	99.86%

SOURCE:
WILLIAMS AIR FORCE BASE
ARIZONA (No. 722786)
Eloy Municipal Airport
Eloy, Arizona
OBSERVATIONS:
53,403 Observations
1976-1986



NOTE: Given the age and source of the existing wind data, it is recommended that the Airport begin/continue to collect ambient wind data until the FAA minimum 10 years of data for windrose construction is met.



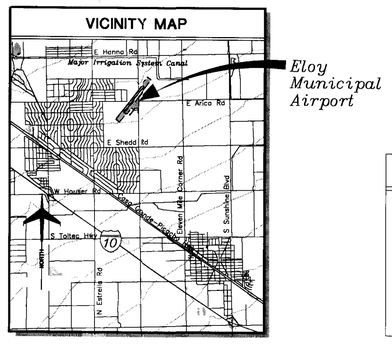
DEVIATIONS FROM FAA AIRPORT DESIGN STANDARDS

DEVIATION DESCRIPTION	EFFECTED DESIGN STANDARD	STANDARD	EXISTING	PROPOSED DISPOSITION
RUNWAY TO PARALLEL TAXIWAY SEPARATION	AC 150/5300-13	240'	200'	CONSTRUCT ULT. PARALLEL TAXIWAY "A" 40' TO THE SOUTHEAST
RUNWAY WIDTH	AC 150/5300-13	75'	60'	WIDEN RUNWAY 2-20 TO ULTIMATE 75' WIDTH

GENERAL NOTES (Unless Otherwise Specified):

1. All geodetic coordinates (latitude/longitude) shown, except for the existing ARP (See AIRPORT DATA block), were calculated using the GEODETIC CALCULATOR (Vers. 1.70) written by Thomas A. Hilquist, January 1996. The reference point utilized in these calculations is the existing ARP. All coordinates and elevations, therefore, are subject to field/survey verification.
2. Ultimate runway extension may be completed in stages. Minimum initial extension 800' to 4,700' interim length.
3. Depiction of features and objects, including related elevations and clearances, within the RPZ are depicted on the APPROACH PROFILES AND RUNWAY PROTECTION ZONES RUNWAY 2-20 drawing.
4. Details concerning terminal improvements are depicted on the TERMINAL AREA PLAN.
5. Building Restriction Line (BRL) is established in accordance with F.A.R. Part 77. Building Restriction Line location may vary in accordance with Part 77 criteria, or other clearance standards.
6. No OFZ object penetrations, and no threshold sitting surface object penetrations.
7. Electronic USGS Map base Edited and Published by Sylvan Ascent Inc. Map base used by permission (license agreement) of Sylvan Ascent Inc. Transportation and Hydrography Source data from U.S. Census Bureau TIGER 1995 Files. Feature names from USGS Geographical Names Information System (GNIS). Map Accuracy is identical with that specified for these source files. See Sylvan Ascent Inc. TopoDepot(tm) Documentation for details. (www.topodepot.com) North American Datum of 1983. Coordinate System: Arizona Central 202
8. Runway 2-20 meets RUNWAY VISIBILITY ZONE standards as set forth in FAA ADVISORY CIRCULAR (AC) 150/5300-13, AIRPORT DESIGN (Chapter 5, Section 503, LINE OF SIGHT STANDARDS).

VICINITY MAP



NOT TO SCALE

SUBMITTED BY: Coffman Associates ON THE DATE OF: _____
FOR APPROVAL BY:
CITY OF ELOY
APPROVED BY: Ben Cruz ON THE DATE OF: 8-20-2001
BEN CRUZ
MAYOR

FAA APPROVAL STAMP

Approved conditionally August 24 2001
Subject to comments contained in our letter dated: 8/24/2001
FEDERAL AVIATION ADMINISTRATION
Western-Pacific Region
By _____
Supervisor, Standards Section

No.	REVISIONS	DATE	BY	APP'D.
1	F. A. A. Approved ALP	9/24/92	–	–

"THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A PLANNING GRANT FROM THE FEDERAL AVIATION ADMINISTRATION AS PROVIDED UNDER SECTION 505 OF THE AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982, AS AMENDED. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS."

ELOY MUNICIPAL AIRPORT

AIRPORT LAYOUT PLAN

ELOY, ARIZONA

PLANNED BY: W. E. Holland
DETAILED BY: Maggie Rogers
APPROVED BY: James M. Harris, P.E.
June 5, 2001 SHEET 1 OF 6

Coffman Associates
Airport Consultants

Coffman Associates eloap.DWG 08/30/2001