AIRPORT DATA

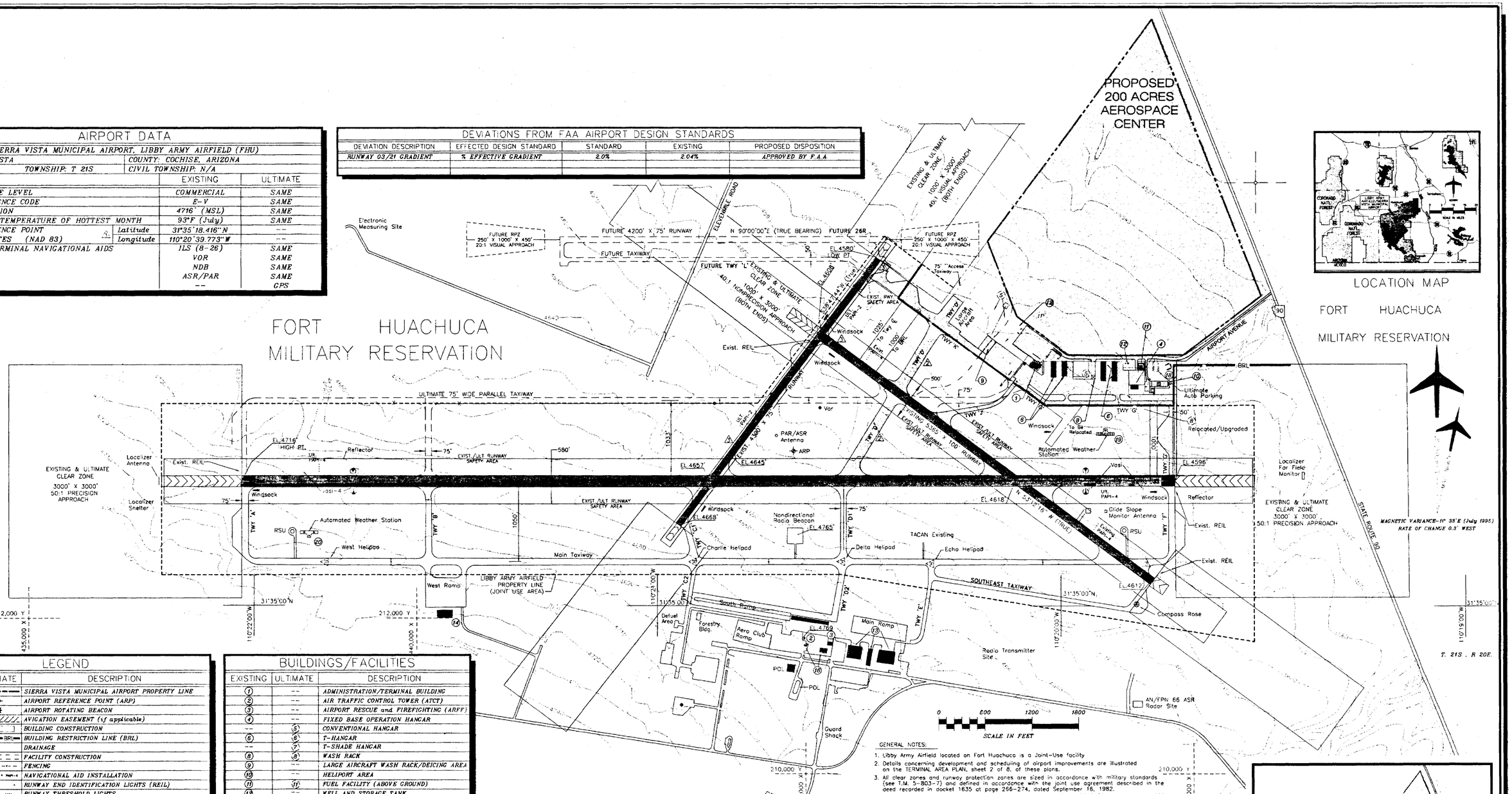
SIERRA VISTA MUNICIPAL AIRPORT, LIBBY ARMY AIRFIELD (FHU)

CITY: SIERRA VISTA — COUNTY: COCHISE, ARIZONA
RANGE: R 20E — TOWNSHIP: T 21S — CIVIL TOWNSHIP: N/A

		EXISTING	ULTIMATE
AIRPORT SERVICE LEVEL		COMMERCIAL	SAME
AIRPORT REFERENCE CODE		E-V	SAME
AIRPORT ELEVATION		4716' (MSL)	SAME
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH		93°F (July)	SAME
AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83)	Latitude	31°35'18.416"N	--
	Longitude	110°20'39.773"W	--
AIRPORT and TERMINAL NAVIGATIONAL AIDS		ILS (8-26)	SAME
		VOR	SAME
		NDB	SAME
		ASR/PAR	SAME
		--	GPS

DEVIATIONS FROM FAA AIRPORT DESIGN STANDARDS

DEVIATION DESCRIPTION	EFFECTED DESIGN STANDARD	STANDARD	EXISTING	PROPOSED DISPOSITION
RUNWAY 03/21 GRADIENT	% EFFECTIVE GRADIENT	2.0%	2.04%	APPROVED BY F.A.A.



LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		SIERRA VISTA MUNICIPAL AIRPORT PROPERTY LINE
		AIRPORT REFERENCE POINT (ARP)
		AIRPORT ROTATING BEACON
		AVIGATION EASEMENT (if applicable)
		BUILDING CONSTRUCTION
	BRL	BUILDING RESTRICTION LINE (BRL)
		DRAINAGE
		FACILITY CONSTRUCTION
		FENCING
VASI	PAPI-4	NAVIGATIONAL AID INSTALLATION
		RUNWAY END IDENTIFICATION LIGHTS (REIL)
		RUNWAY THRESHOLD LIGHTS
31-35 / 3-2		SECTION CORNER
		SEGMENTED CIRCLE/WIND INDICATOR
1080		TOPOGRAPHIC CONTOURS (See Note 5)
		WIND INDICATOR (Lighted)
		GEOGRAPHIC COORDINATES
		ARIZONA STATE GRID COORDINATES(EAST ZONE)
		PARCEL D - JOINT USE RWY/TWY AREA
		ROAD NOT MAINTAINED (DIRT ROAD)
		RUNWAY ARRESTING GEAR

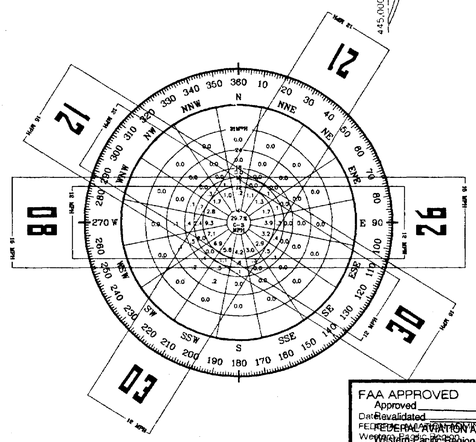
BUILDINGS/FACILITIES

EXISTING	ULTIMATE	DESCRIPTION
1	--	ADMINISTRATION/TERMINAL BUILDING
2	--	AIR TRAFFIC CONTROL TOWER (ATCT)
3	--	AIRPORT RESCUE and FIREFIGHTING (ARFF)
4	--	FIXED BASE OPERATION HANGAR
--	5	CONVENTIONAL HANGAR
6	6	T-HANGAR
--	7	T-SHADE HANGAR
8	8	WASH RACK
9	--	LARGE AIRCRAFT WASH RACK/DEICING AREA
10	--	HELIPORT AREA
11	11	FUEL FACILITY (ABOVE GROUND)
12	--	WELL AND STORAGE TANK
13	--	MILITARY HANGARS
14	--	AIR NATIONAL GUARD COMPLEX
15	--	BASE OPERATIONS
16	--	ATC OFFICES
--	17	SEWAGE TREATMENT PLANT
18	18	CIVIL AIR PATROL
19	--	AWOS Data Collection Package (DCP) #1
20	--	AWOS Data Collection Processing Unit (DCP) #2

RUNWAY DATA

	RUNWAY 8-26		RUNWAY 12-30		RUNWAY 3-21	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
AIRPORT REFERENCE CODE/MILITARY CLASS	E-V/CLASS B	SAME	C-III/CLASS A	SAME	B-II/CLASS A	SAME
RUNWAY GEODETIC AZIMUTH	269°54'21"	SAME	306°41'49"	SAME	216°41'22"	--
RUNWAY BEARING	N90°E	SAME	N53°12'16"W	SAME	S36°47'44"W	SAME
RUNWAY DIMENSIONS	12,000' X 150'	SAME	5,365' X 100'	SAME	4,300' X 75'	SAME
APPROACH VISIBILITY MINIMUMS	+1/2 MILE/+1/2 MILE	SAME	+3/4 MILE/+3/4 MILE	SAME	+1 MILE/+1 MILE	SAME
RUNWAY INSTRUMENTATION	PRECISION/PRECISION	SAME	NONPREC./NONPREC.	SAME	VISUAL/VISUAL	SAME
RUNWAY APPROACH SURFACES	50:1/50:1	SAME	40:1/40:1	SAME	40:1/40:1	SAME
RUNWAY THRESHOLD DISPLACEMENT	NONE	SAME	NONE	SAME	1,289'/NONE	SAME
RUNWAY STOPWAY	NONE	SAME	NONE	SAME	NONE	SAME
RUNWAY SAFETY AREA	14,000' X 580'	SAME	7,365' X 500'	SAME	4,900' X 150'	SAME
RUNWAY OBJECT FREE AREA	14,000' X 800'	SAME	7,365' X 800'	SAME	4,900' X 500'	SAME
TAKEOFF RUN AVAILABLE (TORA)	12,000'/12,000'	SAME	5,365'/5,365'	SAME	SAME	SAME
TAKEOFF DISTANCE AVAILABLE (TODA)	12,000'/12,000'	SAME	5,365'/5,365'	SAME	SAME	SAME
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	12,000'/12,000'	SAME	5,365'/5,365'	SAME	SAME	SAME
LANDING DISTANCE AVAILABLE (LDA)	12,000'/12,000'	SAME	5,365'/5,365'	SAME	SAME	SAME
PAVEMENT MATERIAL	ASPHALT-CONCRETE	SAME	ASPHALT-CONCRETE	SAME	ASPHALT-CONCRETE	SAME
PAVEMENT SURFACE TREATMENT	NONE	SAME	NONE	SAME	NONE	SAME
PAVEMENT STRENGTH (in thousand lbs.)[1]	96(S),160(D),300(DT),640(DDT)	SAME	46(S),106(D),137(DT),172(DDT)	SAME	UNKNOWN	12.5(S)
RUNWAY EFFECTIVE GRADIENT (in %)	1.0	SAME	<1.0	SAME	2.04	SAME
RUNWAY MARKING	PRECISION/PRECISION	SAME	PRECISION/PRECISION	SAME	VISUAL/VISUAL	SAME
RUNWAY LIGHTING	HIRL	SAME	MIRL	SAME	MIRL	SAME
RUNWAY APPROACH LIGHTING	NONE	SAME	NONE	SAME	NONE	SAME
TAXIWAY LIGHTING	MITL	SAME	MITL	SAME	MITL	MITL
TAXIWAY MARKING	CENTERLINE/EDGE	SAME	CENTERLINE/EDGE	SAME	CENTERLINE/EDGE	SAME
NAVIGATIONAL AIDS	VASI-4 (BOTH)	PAPI-4 (BOTH)	PAPI-4 (BOTH)	SAME	NONE	PAPI-2
	ILS (26), ASR/PAR	SAME	ASR/PAR	SAME	--	--
	NDB (26)	SAME	--	REIL	--	--
	VOR (26)	SAME	--	GPS	--	--
	--	GPS, REIL	--	--	--	--

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



WIND DATA

	12 MPH	15 MPH
RUNWAY 08-26	95.78%	96.68%
RUNWAY 02-20	96.45%	N/A
RUNWAY 11-29	96.28%	98.92%
Combined Coverage	99.80%	99.90%

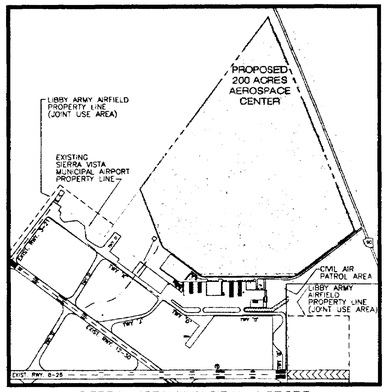
SOURCE:
USAFETAC
AIR WEATHER SERVICE
MILITARY AIRLIFT COMMAND
GLOBAL CLIMATOLOGY BRANCH
87,622-OBSERVATIONS
JAN. 61-DEC 81

GENERAL NOTES:

1. Libby Army Airfield located on Fort Huachuca is a Joint-Use facility.
2. Details concerning development and scheduling of airport improvements are illustrated on the TERMINAL AREA PLAN, sheet 2 of 8, of these plans.
3. All clear zones and runway protection zones are sized in accordance with military standards (see T.M. 5-803-7) and defined in accordance with the joint use agreement described in the deed recorded in docket 1635 at page 266-274, dated September 16, 1982.
4. Air field contour elevations were obtained from Obstruction Chart OC 5081, dated August 1993, and Southern Arizona Auxiliary Airfield as-built drawings from the Arizona Air National Guard, Tucson, Arizona, dated Dec. 31, 1985. Recommend that a field survey be conducted to determine actual airfield elevations before any new construction is attempted.
5. Refer to Fort Huachuca General Site Plans 2 and 3 for a description of the Facilities/Building on Libby Army Airfield.
6. Runway 08L-26R is depicted on the ALP for future planning purposes only.
7. All existing taxiways are paved.
8. All Clear Zones are located within the boundaries of the Fort Huachuca Military Reservation.
9. Civilian aircraft parking aprons and ramp space are limited to the areas within Sierra Vista Municipal Airport Property Line boundary, while military aircraft parking areas and ramp space are confined to the area south of the Libby Army Airfield Property Line (Joint Use Area).

RUNWAY END COORDINATES (NAD 83)

RUNWAY 8	Latitude	31° 35' 15.237"N	SAME
	Longitude	110° 22' 01.352"W	SAME
RUNWAY 26	Latitude	31° 35' 15.453"N	SAME
	Longitude	110° 19' 42.652"W	SAME
RUNWAY 12	Latitude	31° 35' 34.350"N	SAME
	Longitude	110° 20' 36.730"W	SAME
RUNWAY 30	Latitude	31° 35' 02.831"N	SAME
	Longitude	110° 19' 46.006"W	SAME
RUNWAY 3	Latitude	31° 35' 09.827"N	SAME
	Longitude	110° 20' 58.555"W	SAME
RUNWAY 21	Latitude	31° 35' 43.934"N	SAME
	Longitude	110° 20' 26.863"W	SAME



SIERRA VISTA MUNICIPAL AIRPORT
EXISTING/ULTIMATE PROPERTY MAP
NOT TO SCALE

FAA APPROVED
Approved 1/9/96
Date/Revalidated
FEDERAL AVIATION ADMINISTRATION
Western Pacific Region
By Supervisor, Standards Section

SUBMITTED BY: City of Sierra Vista — ON THE DATE OF: May 1, 2000
APPROVED BY: Michael J. Hemenath, P.E. Director of Public Works/Airport Manager — ON THE DATE OF: May 1, 2000

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No.	REVISIONS	DATE	BY	APP'D
3	Revised Runway Designations per L.A.A.	11/99	MAU	
2	Added Taxiway "D"	11/99	MAU	
1	Longitude/Latitude per L.A.A.	9/6/96	MAU	

SIERRA VISTA MUNICIPAL AIRPORT
LIBBY ARMY AIRFIELD

AIRPORT LAYOUT PLAN

SIERRA VISTA, ARIZONA

PLANNED BY: Kathryn W. May/James M. Harris
DETAILED BY: W.B. Holland
APPROVED BY: Franklin V. Coffman
Last revised date: February 11, 1998
SHEET 1 OF 8

Coffman Associates