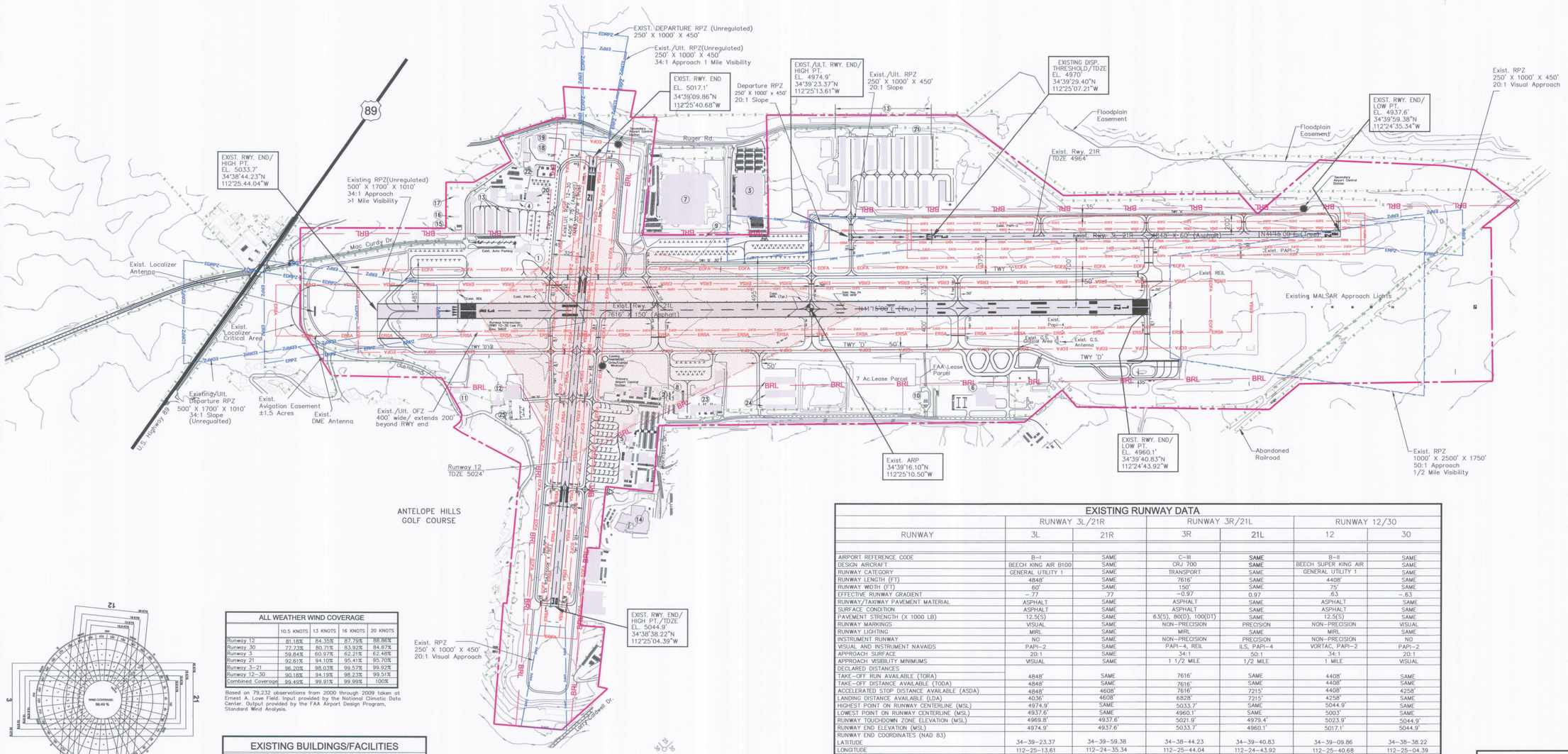

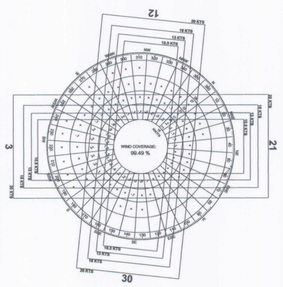

ALL WEATHER WIND COVERAGE

	10.5 KNOTS	13 KNOTS	16 KNOTS	20 KNOTS
Runway 12	81.18%	84.35%	87.79%	88.86%
Runway 30	77.23%	80.71%	83.92%	84.67%
Runway 3	59.84%	60.97%	62.21%	62.48%
Runway 21	92.61%	94.10%	95.41%	95.70%
Runway 3–21	96.20%	98.03%	99.57%	99.92%
Runway 12–30	90.18%	94.19%	98.23%	99.51%
Combined Coverage	99.49%	99.91%	99.99%	100%

Based on 79,232 observations from 2000 through 2009 taken at Ernest A. Love Field. Input provided by the National Climatic Data Center. Output provided by the FAA Airport Design Program, Standard Wind Analysis.

EXISTING BUILDINGS/FACILITIES

	DESCRIPTION
(1)	TERMINAL BUILDING
(2)	AIR TRAFFIC CONTROL TOWER (ATCT)
(3)	YAVAPAI COLLEGE
(4)	ADMINISTRATION BUILDING
(5)	EMBRY–RIDDLE AERONAUTICAL UNIVERSITY
(6)	UNITED STATES FOREST SERVICE (USFS)
(7)	STRUM RUGER AND COMPANY
(8)	RITTEAIRE LLC.
(9)	PORTABLE HANGARS ASSOCIATION (PHA)
(10)	FUEL STORAGE FACILITY
(11)	AIRCRAFT RESCUE AND FIREFIGHTING FACILITY (ARFF)
(12)	LEGEND AVIATION
(13)	T–HANGARS/T–SHADES
(14)	WULFSBERG/COBHAM AVIONICS
(15)	GUIDANCE HELICOPTERS
(16)	CIVIL AIR PATROL (CAP)
(17)	ARIZAIR
(18)	NOSTALGAIRE
(19)	RIVER HANGAR CORPORATION
(20)	NORTH AIRE
(21)	AUTO PARKING
(22)	GUIDANCE HELICOPTERS
(23)	RITTAIRE LLC.
(24)	MONARCH AVIATION LLC.
(25)	ELECTRICAL VAULT

EXISTING AIRPORT DATA

ERNEST A. LOVE FIELD (PRC)

CITY: PRESCOTT	COUNTY: YAVAPAI, ARIZONA
RANGE: R.1W., R.2W. TOWNSHIP: T.15N.	CIVIL TOWNSHIP: ---

AIRPORT SERVICE LEVEL		COMMERCIAL
AIRPORT REFERENCE CODE		C–III
DESIGN AIRCRAFT		CRJ–700
AIRPORT ELEVATION (In feet–MSL)		5045'
MEAN MAXIMUM TEMPERATURE OF HOTTEST MONTH		90°F (July)
AIRPORT REFERENCE POINT (ARP) COORDINATES	Latitude	34°39'16.10"N
	Longitude	112°25'10.50"W
AIRPORT and TERMINAL NAVIGATIONAL AIDS		ILS (Rwy. 21L) VORTAC (Rwy. 12) GPS OVERLAY (Rwy. 12) ROTATING BEACON

EXISTING RUNWAY DATA

RUNWAY	RUNWAY 3L/21R		RUNWAY 3R/21L		RUNWAY 12/30	
	3L	21R	3R	21L	12	30
AIRPORT REFERENCE CODE	B–I	SAME	C–III	SAME	B–II	SAME
DESIGN AIRCRAFT	BEECH KING AIR B100	SAME	CRJ 700	SAME	BEECH SUPER KING AIR	SAME
RUNWAY CATEGORY	GENERAL UTILITY 1	SAME	TRANSPORT	SAME	GENERAL UTILITY 1	SAME
RUNWAY LENGTH (FT)	4848'	SAME	7616'	SAME	4408'	SAME
RUNWAY WIDTH (FT)	60'	SAME	150'	SAME	75'	SAME
EFFECTIVE RUNWAY GRADIENT	–.77	.77	–0.97	0.97	.63	–.63
RUNWAY/TAXIWAY PAVEMENT MATERIAL	ASPHALT	SAME	ASPHALT	SAME	ASPHALT	SAME
SURFACE CONDITION	ASPHALT	SAME	ASPHALT	SAME	ASPHALT	SAME
PAVEMENT STRENGTH (X 1000 LB)	12.5(S)	SAME	63(S), 80(D), 100(DT)	SAME	12.5(S)	SAME
RUNWAY MARKINGS	VISUAL	SAME	NON–PRECISION	PRECISION	NON–PRECISION	VISUAL
RUNWAY LIGHTING	MIRL	SAME	MIRL	SAME	MIRL	SAME
INSTRUMENT RUNWAY	NO	SAME	NON–PRECISION	PRECISION	NON–PRECISION	NO
VISUAL AND INSTRUMENT NAVAIDS	PAPI–2	SAME	PAPI–4, REIL	ILS, PAPI–4	VORTAC, PAPI–2	PAPI–2
APPROACH SURFACE	20:1	SAME	34:1	50:1	34:1	20:1
APPROACH VISIBILITY MINIMUMS	VISUAL	SAME	1 1/2 MILE	1/2 MILE	1 MILE	VISUAL
DECLARED DISTANCES						
TAKE–OFF RUN AVAILABLE (TORA)	4848'	SAME	7616'	SAME	4408'	SAME
TAKE–OFF DISTANCE AVAILABLE (TODA)	4848'	SAME	7616'	SAME	4408'	SAME
ACCELERATED STOP DISTANCE AVAILABLE (ASDA)	4848'	4608'	7616'	7215'	4408'	4258'
LANDING DISTANCE AVAILABLE (LDA)	4036'	4608'	6828'	7215'	4258'	SAME
HIGHEST POINT ON RUNWAY CENTERLINE (MSL)	4974.9'	SAME	5033.7'	SAME	5044.9'	SAME
LOWEST POINT ON RUNWAY CENTERLINE (MSL)	4937.6'	SAME	4960.1'	SAME	5003'	SAME
RUNWAY TOUCHDOWN ZONE ELEVATION (MSL)	4969.8'	4937.6'	5021.9'	4979.4'	5023.9'	5044.9'
RUNWAY END ELEVATION (MSL)	4974.9'	4937.6'	5033.7'	4960.1'	5017.1'	5044.9'
RUNWAY END COORDINATES (NAD 83)						
LATITUDE	34–39–23.37	34–39–59.38	34–38–44.23	34–39–40.83	34–39–09.86	34–38–38.22
LONGITUDE	112–25–13.61	112–24–35.34	112–25–44.04	112–24–43.92	112–25–40.68	112–25–04.39
RUNWAY SAFETY AREA (RSA)						
LENGTH BEYOND RUNWAY END	240'	SAME	1000'	SAME	300'	SAME
WIDTH	120'	SAME	500'	SAME	150'	SAME
RUNWAY OBJECT FREE AREA (ROFA)						
LENGTH BEYOND RUNWAY END	240'	SAME	800'	SAME	300'	SAME
WIDTH	400'	SAME	1000'	SAME	500'	SAME
OBSTACLE FREE ZONE (OFZ)						
LENGTH BEYOND RUNWAY END	200'	SAME	200'	SAME	200'	SAME
WIDTH	250'	SAME	400'	SAME	250'	SAME
APPROACH RUNWAY PROTECTION ZONE (RPZ)						
DISTANCE BEYOND THRESHOLD	200'	SAME	200'	SAME	200'	SAME
LENGTH	1,000'	SAME	1,700'	2,500'	1,000'	SAME
INNER/OUTER WIDTH	250'/450'	SAME	500'/1010'	1000'/1750'	500'/700'	250'/450'
DEPARTURE RUNWAY PROTECTION ZONE (RPZ)						
DISTANCE BEYOND TORA	200'	Not Applicable	200'	Not Applicable	200'	Not Applicable
LENGTH	1,000'		1,700'		1,000'	
STD. SEPARATION – RWY CL TO PARALLEL TWY CL	225'	SAME	400'	SAME	240'	SAME
STD. SEPARATION – TWY CL TO FIXED/MOVEABLE OB.	44.5'	SAME	93'	SAME	65.5'	SAME
TWY OBJECT FREE AREA WIDTH	89'	SAME	186'	SAME	131'	SAME
TWY SAFETY AREA WIDTH	49'	SAME	118'	SAME	79'	SAME
TWY WINGTIP CLEARANCE	20'	SAME	34'	SAME	26'	SAME
LINE OF SIGHT REQUIREMENT MET	NO	SAME	NO	SAME	NO	SAME
HOLDLINE TO RWY CENTERLINE DISTANCE	125'	SAME	260'	SAME	125'	SAME
DESIGN AIRCRAFT – WINGSPAN (FEET)	45.8'	SAME	76.25'	SAME	54.5'	SAME
DESIGN AIRCRAFT – UNDERCARRIAGE WIDTH	12.75'	SAME	16.4'	SAME	13.0'	SAME
DESIGN AIRCRAFT – APPROACH SPEED (KTS)	111	SAME	135	SAME	103	SAME
DESIGN AIRCRAFT – MAX CERTIFIED TAKEOFF WEIGHT (LBS)	11,800	SAME	77,000	SAME	12,500	SAME

LEGEND

	AIRPORT PROPERTY LINE
	AIRPORT REFERENCE POINT (ARP)
	AIRPORT ROTATING BEACON
BRL	BUILDING RESTRICTION LINE (BRL)
RVZ	RUNWAY VISIBILITY ZONE
	AIRPORT BUILDING
X X X	FENCING
PAPI–4	PRECISION APPROACH PATH INDICATOR (4 lights)
PAPI–2	PRECISION APPROACH PATH INDICATOR(2 lights)
	RWY END IDENTIFICATION LIGHTS (REIL)
	RWY EDGE LIGHTS (MIRL)
	RWY THRESHOLD LIGHTS
	SEGMENTED CIRCLE/WIND INDICATOR
	SECTION CORNER
1080	TOPOGRAPHIC CONTOURS
	WIND INDICATOR (Lighted)
	THROUGH THE FENCE LOCATION
ERSA	RUNWAY SAFETY AREA
RPZ	RUNWAY PROTECTION ZONE
ERPZ	DEPARTURE RUNWAY PROTECTION ZONE
EOFA	OBJECT FREE AREA
EOFZ	OBJECT FREE ZONE
	AIRPORT CONTROL STATION (PAC/SAC)

PRESCOTT MUNICIPAL AIRPORT

ERNEST A. LOVE FIELD (PRC)
Prescott, Arizona

CITY OF PRESCOTT ARIZONA
Everybody's Hometown

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Phone 928-777-1114

Manager: BENJAMIN D VARDIMAN
6546 CRYSTAL LANE
PRESCOTT, AZ 86301
Phone 928-777-1114

Magnetic Declination: 11°36' E (June 2008)
Annual Variation: 0°11' W
(Source: National Geophysical Data Center)

TRUE NORTH
MAGNETIC NORTH

Graphical scale in feet
0 250 500 1000

EXISTING AIRPORT FACILITIES PLAN

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Designed by: NS
Drawn by: NS
Checked by: MC
August 2010
Sheet 2 of 8

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