RUNWAY DATA	5/23	5/23
	EXISTING (E)	FUTURE (F)
APPROACH TYPE/ VISIBILITY MINIMUMS RW 5 / RW 23	Visual, Utility/ VFR	NPI, >Utility/ 1-Mile
FAR PART 77 APPROACH SLOPE	RW 5 - 20:1 RW 23 - 20:1	RW 5 - 34:1 RW 23 - 34:1
RUNWAY LENGTH	7,100'	7,100'
RUNWAY WIDTH	75'	75'
PAVEMENT TYPE	ASPHALT	ASPHALT
PAVEMENT STRENGTH (LBS)	12,500 SWG	30,000 SWG/ 45,000 DWG
RUNWAY LIGHTING	MIRL	MIRL
RUNWAY MARKING	RW 5- Basic Visual RW 23- Basic Visual	RW 5- NPI RW 23- NPI
% EFFECTIVE GRADIENT	1.00 %	1.00 %
% MAXIMUM GRADE	1.00 %	1.00 %
LINE OF SITE REQUIREMENTS MET	YES	YES
VISUAL AIDS	RW 5: NONE RW 23: VASI-2	RW 5: PAPI-2 RW 23: PAPI-2
NAVIGATIONAL AIDS	NONE	NPI/ GPS
AIRPORT REFERENCE CODE (ARC)	B-II	B-II
CRITICAL AIRCRAFT APPROACH SPEED (KNOTS) WINGSPAN MAX. CERTIFIED TAKEOFF WEIGHT UNDERCARRIAGE WIDTH	BEECH KING AIR B-200 103 54.5' 12,500 lbs. 12' 9"	FALCON 20 107 63.5' 28,660 lbs. 14' 7"
RUNWAY SAFETY AREA: WIDTH LENGTH BEYOND RWY ENDS	150' 300'	150' 300'
RUNWAY OBJECT FREE AREA: WIDTH LENGTH BEYOND RWY ENDS	500' 300'	500' 300'
RUNWAY/ TAXIWAY SEPERATION	250'	250'
OBSTACLE FREE ZONE: WIDTH LENGTH BEYOND RWY ENDS	400' 200'	400' 200'
	NO OFZ OBJECT PENETRATIONS	
RUNWAY ELEVATIONS (NAVD 88)(MSL)	RW 5 / RW 23	RW 5 / RW 23
RUNWAY END	5,699.6' / 5,627.5'	5,691.0' / 5,620.0'
TOUCHDOWN ZONE	5,699.6' / 5,665.0'	5,691.0' / 5,655.0'
HIGH POINT	5,699.6'	5,691.0'
LOW POINT	5,627.5'	5,620.0'
DISTANCE FROM RWY C/L TO HOLD BARS AND SIGNS	200'	200'
WIND COVERAGE/ 10.5 kt- 12 mph. 13 kt.- 15 mph.	94.9% 100 %	94.9% 100 %
RUNWAY C/L TO TAXIWAY C/L	240'	240'
TAXIWAY CL TO FIXED OBJECT TAXIWAY OFA WIDTH TAXIWAY SAFETY AREA WIDTH	65.5' 131' 79'	65.5' 131' 79'
TAXIWAY LIGHTING	MITL	MITL
TAXIWAY MARKING	CENTERLINE	CENTERLINE
TAXIWAY SURFACE TYPE	ASPHALT	ASPHALT

AIRPORT DATA		
AIRPORT NAME	KAYENTA AIRPORT	
AIRPORT IDENTIFIER	O7V	
COUNTY/ STATE	NAVAJO COUNTY ARIZONA	
TOWNSHIP/ RANGE	T 38 N, R 19E & R 20 E	
	EXISTING	FUTURE
AIRPORT ELEVATION (NAVD 88)(MSL)	5,700'	5,691'
AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83) LAT LONG	36°42'54.422" N 110°13'55.771" W	36°42'59.243" N 110°13'42.395" W
MEAN MAX. TEMP: HOTTEST MONTH (JULY)	90°	90°
AIRPORT REFERENCE CODE	B-II	B-II
NPIAS ROLE	GA	GA
MAGNETIC VARIATION	8.55°	TBD
WINGTIP CLEARANCE	26'	26'
AIRPORT & TERMINAL NAVAIDS	N/A	GPS

AIRPORT FACILITIES LIST

BUILDING STRUCTURE	BUILDING TOP ELEV.
(1) TERMINAL	5,710'
(2) AUTOMOBILE PARKING	—
(3) MAINTENANCE HANGAR	5,710'
(4) BOX HANGARS	5,650'/ 5,670'
(5) AIRCRAFT TIE DOWNS	—
(6) T-HANGARS	5,655'
(7) SLURRY TANKS	5,660'
(8) FUEL TANKS (INITIAL)	5,695'
(9) HELIPADS	—
(10) FUEL TANKS (FUTURE)	
(11) MOTORCOACH PARKING	

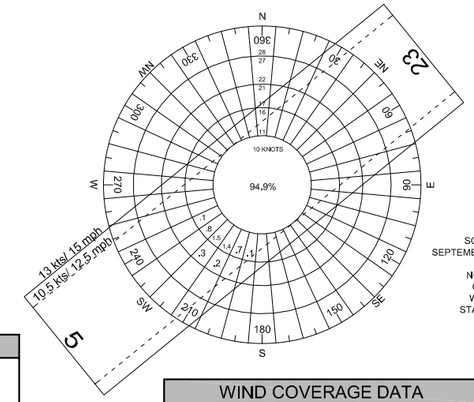
(e) Existing/ (f) Future

NOTES

1. NO THRESHOLD SITING SURFACE PENETRATIONS
2. BASE MAPPING PROVIDED BY KAYENTA TOWNSHIP.
3. CONTOUR ELEVATIONS TAKEN FROM U.S.G.S. DEM
4. HORIZONTAL COORDINATES: NAD 83
   VERTICAL COORDINATES: NAVD 88
5. PACS & SACS PROTECTED WITH AN ALUMINUM CAP

RUNWAY END COORDINATES (NAD 83)		
RUNWAY END	LATITUDE	LONGITUDE
5 (E)	36°42'40.044" N	110°14'35.616" W
23 (E)	36°43'08.764"N	110°13'15.970" W
5 (F)	36°42'44.878" N	110°14'22.215" W
23 (F)	36°43'13.543" N	110°13'02.621" W

RUNWAY END COORDINATES AND ELEVATIONS SURVEYED BY MOUNTAIN SURVEYING AND MAPPING (MARCH, 2005)



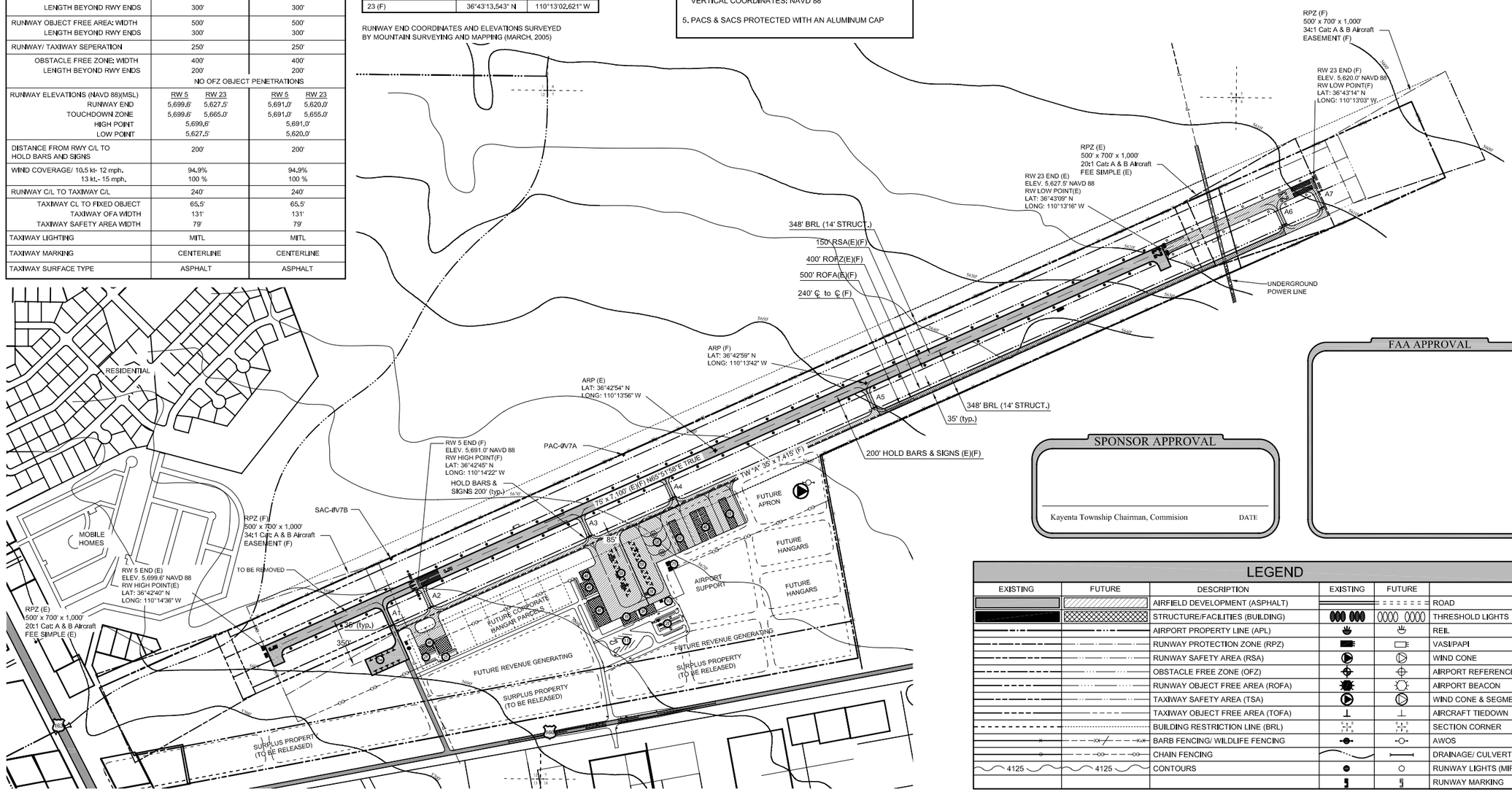
SOURCE: BUCKSKIN LO ARIZONA RAWS
SEPTEMBER 2002 - JULY 2004 (16,776 OBSERVATIONS)
24 OBSERVATIONS/ DAY
NOTE: AIRPORT SHOULD CONTINUE TO COLLECT WIND DATA UNTIL THE FAA WINDROSE REQUIREMENTS ARE MET. STATION LOCATION IS 31 NAUTICAL MILES SOUTHWEST OF THE AIRPORT.

8° 32'

MAGNETIC NORTH SOURCE:
INTERPEX/GEOMAGIX 3.09.05
EPOCH YEAR 2005 (U.S. 2005 MODEL)
RATE OF CHANGE -1.91 min./yr.

400 0 400 800
SCALE IN FEET

WIND COVERAGE DATA			
RUNWAY	10.5 kt/ 12 mph	13 kt/ 15 mph	16 kt/ 20 mph
5/23 (E)(F)	94.9%	100%	100%



SPONSOR APPROVAL

Kayenta Township Chairman, Commision DATE

FAA APPROVAL

LEGEND

EXISTING	FUTURE	DESCRIPTION	EXISTING	FUTURE	
		AIRFIELD DEVELOPMENT (ASPHALT)			ROAD
		STRUCTURE/FACILITIES (BUILDING)			THRESHOLD LIGHTS
		AIRPORT PROPERTY LINE (APL)			REIL
		RUNWAY PROTECTION ZONE (RPZ)			VASI/PAPI
		RUNWAY SAFETY AREA (RSA)			WIND CONE
		OBSTACLE FREE ZONE (OFZ)			AIRPORT REFERENCE POINT (ARP)
		RUNWAY OBJECT FREE AREA (ROFA)			AIRPORT BEACON
		TAXIWAY SAFETY AREA (TSA)			WIND CONE & SEGMENTED CIRCLE
		TAXIWAY OBJECT FREE AREA (TOFA)			AIRCRAFT TIEDOWN
		BUILDING RESTRICTION LINE (BRL)			SECTION CORNER
		BARB FENCING/ WILDLIFE FENCING			AWOS
		CHAIN FENCING			DRAINAGE/ CULVERT
4125	4125	CONTOURS			RUNWAY LIGHTS (MIRL)
					RUNWAY MARKING

ARMSTRONG CONSULTANTS, Inc.
airport engineering and planning services
861 Rood Avenue
Grand Junction, CO 81501
ph: 970.242.0101 fax: 970.241.1769

KAYENTA AIRPORT
KAYENTA, ARIZONA

A.I.P. No. 3-04-0067-04
AIRPORT LAYOUT PLANS

No.	Revision	Date	By
1	LAST ALP 2/87 BY CARTER ASSOCIATES		

THIS PREPARATION OF THIS DOCUMENT WAS FINANCED IN PART, THROUGH THE AIRPORT IMPROVEMENT PROGRAM OF THE UNITED STATES DEPARTMENT OF TRANSPORTATION, FEDERAL AVIATION ADMINISTRATION, UNDER TITLE 49, UNITED STATES CODE, SECTION 47104(c). THE CONTENTS OR USE THEREOF IS NOT INTENDED TO CONSTITUTE A CONTRACT, AGREEMENT OR OBLIGATION, EXPRESS OR IMPLIED, OR SUPERSEDE ANY PROVISION OF ANY FEDERAL LAW, CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DESCRIBED THEREIN, NOR INDICATE THAT ANY PROPOSED DEVELOPMENT IS ELIGIBLE FOR FEDERAL FUNDING. ENVIRONMENTALLY ACCEPTABLE OR INDICATE HAVE JUSTIFICATION IN ACCORDANCE WITH APPROPRIATE PROCEDURES.

Project No: 045702
Date: 11.18.05
File Name: 5702502

Drawn: RF
Checked: JZP
Approved: DAC

AIRPORT LAYOUT PLAN