DRAFT FINAL

RUNWAY DATA TABLE

DATA ELEMENTS		RWY 3/21 EXISTING (E)	RWY 3/21 FUTURE (F)
RUNWAY CATEGORY/DESIGN GROUP CODE		C-II	SAME
RUNWAY AZIMUTH		46°22'34"/ 226°22'34"	SAME
RUNWAY BEARING (TRUE)		N 46°22'34" E	SAME
MAXIMUM RUNWAY ELEVATION (MSL)		3952'	SAME
WIND COVERAGE (%)	12 MPH	99.03%	SAME
	15 MPH	99.57%	SAME
	18 MPH	99.94%	SAME
RUNWAY DIMENSIONS (SEE DECLARED DISTANCES)	* WIDTH	90' 100'	SAME
	LENGTH	7200'	SAME
RUNWAY INSTRUMENTATION		NP/NP	SAME
APPROACH SLOPE		34:1	SAME
APPROACH VISIBILITY MINIMUMS		1 MILE	SAME
THRESHOLD DISPLACEMENT		1912'	900'
RUNWAY STOPWAY	WIDTH	NONE	SAME
	LENGTH	NONE	SAME
RUNWAY SAFETY AREA (RSA) (SEE NOTE 4)	WIDTH	150'	400'
	LENGTH BEYOND RUNWAY END	Est. 150'/800'	1000'
OBJECT FREE AREA	WIDTH	800'	SAME
	LENGTH BEYOND RUNWAY END	1000'	SAME
OBSTACLE FREE ZONE	WIDTH	400'	SAME
	LENGTH BEYOND RUNWAY END	200'	SAME
PAVEMENT STRENGTH	POUNDS (1000)	30/50	SAME
	TYPE	SWL/DWL	SAME
RUNWAY SURFACE TYPE		ASPHALT	SAME
PAVEMENT SURFACE TREATMENT		COAL TAR	SAME
RUNWAY MARKING		NON-PRECISION	SAME
RUNWAY EFFECTIVE GRADIENT (%)		1.61%	SAME
RUNWAY LIGHTING (LIRL, MIRL, HIRL)		MIRL	SAME
RUNWAY APPROACH LIGHTING (ODALS, MALSAR, ETC.)		NONE	SAME
NAVAIDS (ILS, NDB, GPS)		VOR, NDB	SAME,GPS
VISUAL AIDS (GVGI, REIL, ETC.)		SAVASI,REIL	PAPI,REIL
FAR PART 77 CATEGORY		NP/NP	SAME

* SEE GENERAL NOTE 5

TAXIWAY DATA TABLE

DATA ELEMENTS	T/W A EXISTING (E)	T/W A FUTURE (F)	T/W B EXISTING (E)	T/W B FUTURE (F)	T/W C EXISTING (E)	T/W C FUTURE (F)	T/W D EXISTING (E)	T/W D FUTURE (F)
TAXIWAY SURFACE TYPE	A.C.	SAME	A.C.	SAME	A.C.	SAME	A.C.	SAME
TAXIWAY MARKING	CENTERLINE	SAME	CENTERLINE	SAME	CENTERLINE	SAME	CENTERLINE	SAME
TAXIWAY LIGHTING (REFLECTORS, MITL)	REFLECTORS	MITL	REFLECTORS	MITL	REFLECTORS	MITL	REFLECTORS	MITL
DATA ELEMENTS	T/W E EXISTING (E)	T/W E FUTURE (F)	T/W F EXISTING (E)	T/W F FUTURE (F)	T/W A1 EXISTING (E)	T/W A1 FUTURE (F)	--- EXISTING (E)	--- FUTURE (F)
TAXIWAY SURFACE TYPE	A.C.	SAME	A.C.	SAME	A.C.	SAME	---	---
TAXIWAY MARKING	CENTERLINE	SAME	CENTERLINE	SAME	CENTERLINE	SAME	---	---
TAXIWAY LIGHTING (REFLECTORS, MITL)	REFLECTORS	MITL	REFLECTORS	MITL	REFLECTORS	MITL	---	---

RUNWAY END COORDINATES

RUNWAYS		EXISTING	FUTURE
RUNWAY 3	LAT.	31°24'39.230"N	SAME
	LONG.	110°51'22.40"W	SAME
RUNWAY 21	LAT.	31°25'28.422"N	SAME
	LONG.	110°50'22.290"W	SAME
RUNWAY 21 (E)	LAT.	31°25'15.334"N	31°25'22.274"N
DISPL. THRESHOLD	LONG.	110°50'38.255"W	110°50'29.805"W

LEGEND

DATA ELEMENTS	EXISTING (E)	FUTURE (F)
AIRPORT PROPERTY LINE	PL	PL
AIRPORT REFERENCE POINT		
AIRPORT ROTATING BEACON		
BUILDINGS		
SEGMENTED CIRCLE/WIND CONE (LIGHTED)		
ASOS		
RUNWAY THRESHOLD LIGHTS		
RUNWAY END IDENTIFIER LIGHTS (REIL)		
PAPI		
SAVASI		
RUNWAY LIGHTS		
FENCING		
TOPOGRAPHIC CONTOURS	750	
BUILDING RESTRICTION LINE (BRL)		
OBJECT FREE AREA (OFA)		
RUNWAY SAFETY AREA (RSA)		
OBSTACLE FREE ZONE (OFZ)		
SECTION CORNERS		
AVIGATION EASEMENT		
ULTIMATE DEVELOPMENT		
HELIPORT	H	
NDB		
TVOR/DME		

GENERAL NOTES

1. NAD 83 USED FOR ALL LATITUDE/LONGITUDE IDENTIFICATIONS (PRIOR ALP DEPICTS NAD 27 LATITUDE/LONGITUDE IDENTIFICATIONS).
2. RUNWAY IS 90 FEET WIDE FOR 6,000 FEET OF RUNWAY LENGTH AND 100 FEET WIDE FOR LAST 1,200 FEET OF RUNWAY LENGTH AT NORTH END.
3. THREE PARCELS ARE INDENTIFIED AS "TO BE ACQUIRED". THE AIRPORT FENCELINE INCLUDES ALL THREE PARCELS SINCE THESE PARCELS WERE MISTAKENLY IDENTIFIED AS PART OF AIRPORT PROPERTY IN THE PAST. THE FENCELINE WILL REMAIN IN ITS CURRENT LOCATION ADJACENT TO THESE PARCELS AS THE COUNTY PLANS TO ACQUIRE THE PARCELS BEFORE 2005.
4. EXISTING RSA DIMENSIONS ON BOTH RUNWAY ENDS MEET B-II STANDARDS OR LESS. R3 SAFETY AREA ONLY EXTENDS 150' BEYOND RUNWAY END.
5. LAND USE ADJACENT TO AND SURROUNDING AIRPORT PROPERTY BOUNDARY IS GENERAL RURAL (PER COUNTY ZONING). SEE OFF-AIRPORT LAND USE MAP.
6. BRL ALLOWS BUILDING HEIGHT OF 28' WEST OF RUNWAY (450') AND 34' EAST OF RUNWAY (490').
7. TO BE RELOCATED (F) OR DECOMMISSIONED LATER WITH ACTIVATION OF GPS (F).
8. SEE TERMINAL AREA PLAN FOR TERMINAL AREA SECURITY FENCING LAYOUT AND ADDITIONAL SECURITY LIGHTING.
9. TORA - TAKEOFF RUN AVAILABLE
   TODA - TAKEOFF DISTANCE AVAILABLE
   ASDA - ACCELERATE DISTANCE AVAILABLE
   LDA - LANDING DISTANCE AVAILABLE

AIRPORT BUILDINGS/FACILITIES

EXISTING (E)	FUTURE (F)	DESCRIPTION
1		TERMINAL
2		AUTO PARKING
3		FBO
4	4	HANGARS
5		T- HANGARS
6	6	FUEL FARM
7		INDUSTRIAL BUILDING
8		WATER TANK AND PUMP
9	9	APRON
10		OLD APRON
	11	CARGO
	12	ARFF BUILDING
	13	CONTROL TOWER
	14	MAINTENANCE BUILDING
	15	EMERGENCY GENERATOR

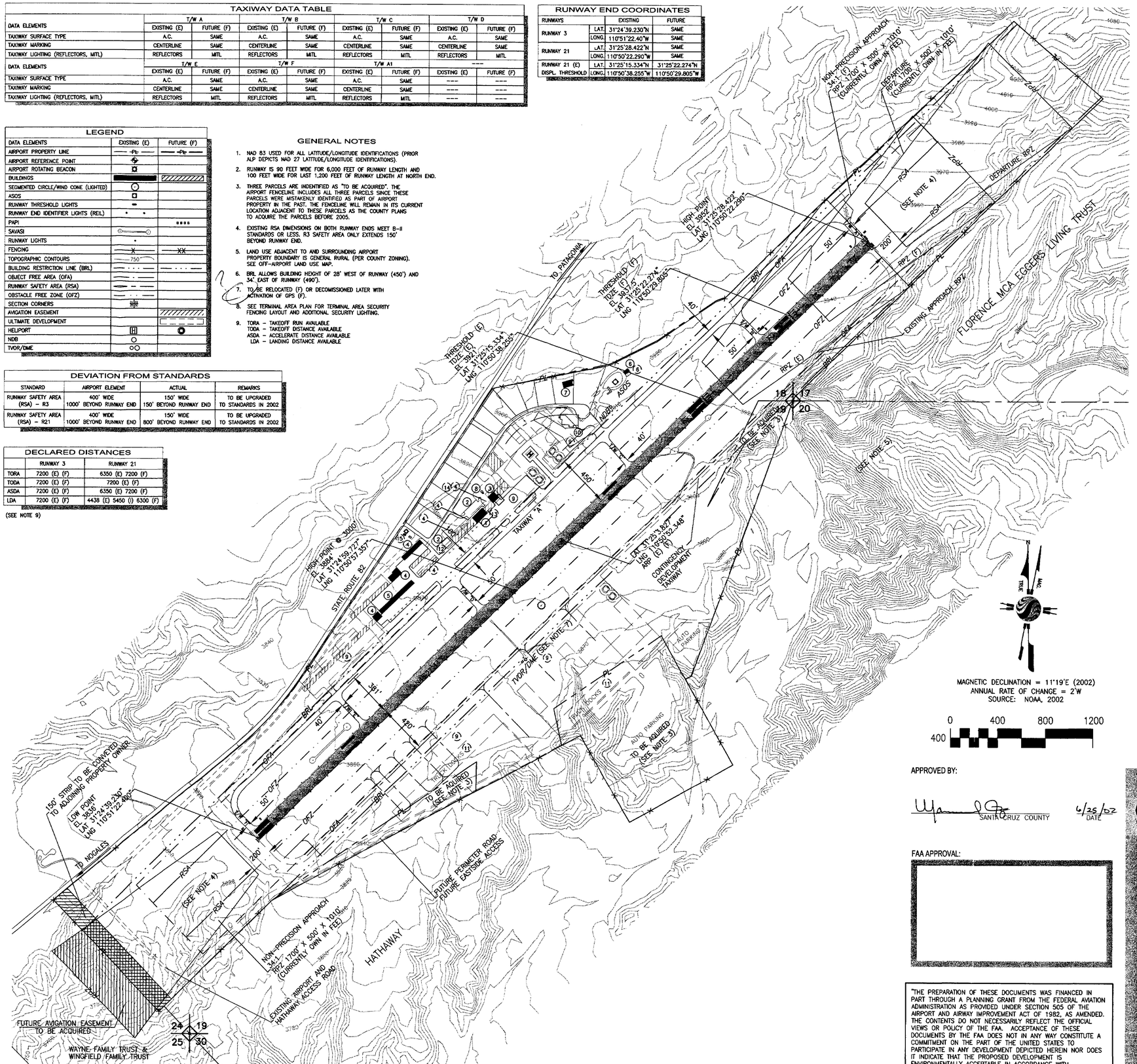
DEVIATION FROM STANDARDS

STANDARD	AIRPORT ELEMENT	ACTUAL	REMARKS
RUNWAY SAFETY AREA (RSA) - R3	400' WIDE 1000' BEYOND RUNWAY END	150' WIDE 150' BEYOND RUNWAY END	TO BE UPGRADED TO STANDARDS IN 2002
RUNWAY SAFETY AREA (RSA) - R21	400' WIDE 1000' BEYOND RUNWAY END	150' WIDE 800' BEYOND RUNWAY END	TO BE UPGRADED TO STANDARDS IN 2002

DECLARED DISTANCES

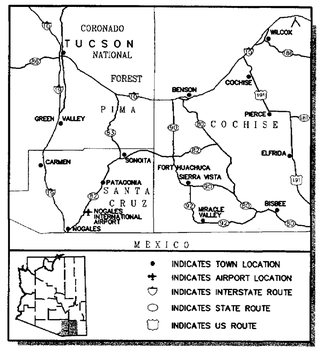
	RUNWAY 3	RUNWAY 21
TORA	7200 (E) (F)	6350 (E) 7200 (F)
TODA	7200 (E) (F)	7200 (E) (F)
ASDA	7200 (E) (F)	6350 (E) 7200 (F)
LDA	7200 (E) (F)	4438 (E) 5450 (I) 6300 (F)

(SEE NOTE 9)

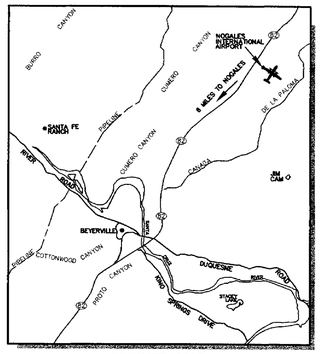


MAGNETIC DECLINATION = 11°19'E (2002)
ANNUAL RATE OF CHANGE = 2'W
SOURCE: NOAA, 2002

0 400 800 1200
400



AIRPORT LOCATION MAP

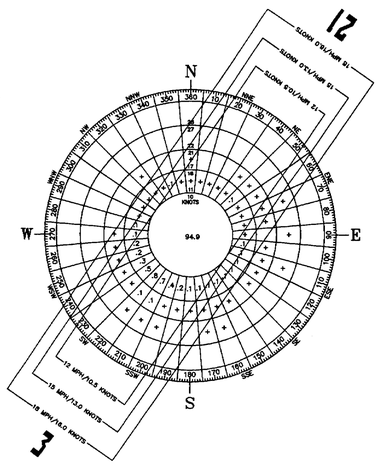


VICINITY MAP

AIRPORT DATA TABLE

AIRPORT:		NOGALES INTERNATIONAL AIRPORT
RANGE AND TOWNSHIP:		R 15 E/T 23 S
COUNTY:		SANTA CRUZ
OWNER:		SANTA CRUZ COUNTY
DATA ELEMENTS		EXISTING (E) / FUTURE (F)
AIRPORT NPIAS CATEGORY		GA / TRANSPORT
DESIGN AIRCRAFT		SUPER KINGAIR / SAME
AIRPORT REFERENCE CODE		C-II* / SAME
AIRPORT ELEVATION (FEET/MSL)		3952' / SAME
MEAN MAXIMUM TEMPERATURE (FAHRENHEIT/HOTTEST MONTH)		93.8° F JULY / SAME
AIRPORT REFERENCE POINT (ARP)	LAT.	31°25'03.827"N / SAME
	LONG.	110°50'52.348"W / SAME
AIRPORT & TERMINAL NAVAIDS (ON- AND OFF-AIRPORT)		BEACON REIL / SAME
INSTRUMENT APPROACH TYPES (GPS, VOR, ILS, ETC.)		NDB, VOR / SAME,GPS

*Previous ALP indentified airport reference code as B-II. Airport currently experiences C-II traffic on a regular basis.



SOURCE: NOAA
NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

SITE: NOGALES INTERNATIONAL AIRPORT

PERIOD: JANUARY 1, 1989 - DECEMBER 31,1998

ALL WEATHER WIND COVERAGE*

RUNWAYS		12 MPH (10.5 KNOTS)	15 MPH (13 KNOTS)	18 MPH (16 KNOTS)
RUNWAY	3-21	99.03%	99.57%	99.94%

* 59,847 ALL WEATHER OBSERVATIONS

APPROVED BY:

SANTA CRUZ COUNTY — DATE 6/25/02

FAA APPROVAL:

"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."

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Revision	By	Appd.	Date
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1. ADDENDUM NO.1-FAA FORM 74801-1	AM		8/01

File Name: 2-Nog-alp.dwg	Dwn.	Dsgn.	Dsgn.	Date
	LT	PT		12/01

Title

AIRPORT LAYOUT PLAN
NOGALES INTERNATIONAL AIRPORT
NOGALES, ARIZONA

Project No. 81451310

Drawing No.	Sheet	Revision
P2	2 of 10	1

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