

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

AIRPORT ID SBN	PROCEDURE NAME RNAV (GPS) RWY 9R	ORIGINAL/AMENDMENT 1D	CITY SOUTH BEND	STATE IN
AIRPORT ELEVATION 798	TDZE 790	SUPERSEDED RNAV (GPS) RWY 9R	DATED 10/05/2023	MAG VAR 5W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 16 MAY 2024	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2025
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MAPER		AROYA		TF	FB	1.00	159.93	15.58	2600
NOMES		YIBUC		TF	FB	1.00	328.94	6.24	2600
AROYA	IAF	ZAPPY	NOPT	TF	FB	1.00	183.70	5.60	2600
YIBUC	IAF	ZAPPY	NOPT	TF	FB	1.00	003.70	5.60	2600
ZAPPY	IF/IAF	ANUCO		TF	FB	1.00	093.70	6.01	2600
ANUCO	FAF	RW09R	MAP	TF	FO	0.30	093.71	5.51	
RW09R	MAP	1135 MSL		CA			093.71		
1135 MSL		ISUYO		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW09R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT ISUYO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- HOLD W ZAPPY, RT, 093.70 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 093.71 **FAF:** ANUCO **DIST FAF TO MAP:** 5.51 **DIST FAF TO THLD:** 5.51
- MIN ALT:** ZAPPY 2600, ANUCO 2600
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **345 HAT:** 0.91 **GS ANT:**
- MIN GP INCPT:** 2600 **GP ALT AT PFAF:** ANUCO 2600 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 54.8
- MSA FROM:** RW09R 3000



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
 CHART NOTE: CIRCLING RWY 27R NA AT NIGHT.
 CHART NOTE: RWY 9R HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 5500 AND LNAV CAT C/D TO RVR 6000.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAPER ON V526 NORTHWEST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NOMES ON V8-92 EASTBOUND.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 273.96 INBOUND.
 CHART FAS OBST: 944 TREE (18-068012) 414212N/0862121W.
 CHART 950 TOWER 414229N/0862657W.
 CHART VDP AT 1.11 NM TO RW09R.
 WAAS CHANNEL # 60908
 REFERENCE PATH ID: W09B
 CHART CIRCLING ICON.
 LTP HAE: 207 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD - CAT D 800-2 1/4

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	1135	4000	345	1135	4000	345	1135	4000	345	1135	4000	345			
LNAV/VNAV DA	1222	5000	432	1222	5000	432	1222	5000	432	1222	5000	432			
LNAV MDA	1200	4000	410	1200	4000	410	1200	5000	410	1200	5000	410			
CIRCLING	1280	1	482	1280	1	482	1440	1 3/4	642	1500	2 1/4	702			

CHANGES - REASONS

1. CHART PLANVIEW NOTE: CHANGED FROM "PROCEDURE NA FOR ARRIVALS AT NOMES ON V8-92-126 EASTBOUND AND V156 SOUTHWEST BOUND" TO "PROCEDURE NA FOR ARRIVALS AT NOMES ON V8-92 EASTBOUND" - OXI VOR MON.



AIRPORT ID
SBN

PROCEDURE NAME
RNAV (GPS) RWY 9R

ORIGINAL/AMENDMENT
1D

CITY
SOUTH BEND

STATE
IN

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZAU ARTCC, SBN ATCT, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE *Digitally signed by*
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE
RAKE MCGRAW
Mar 19, 2024

DATE

DEVELOPED BY

DAVID DANNER (RONALD K. STROBACH)

Digitally signed by
RAKE MCGRAW
Mar 19, 2024

OFFICE
AJV-A421

DATE
11/01/2023

APPROVED BY

DAVID DANNER

Digitally signed by
RAKE MCGRAW
Mar 19, 2024

OFFICE
AJV-A421

DATE
05/16/2024

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD
OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA
0
0
KSBN
RW09R
0
0
W09B
414215.5810N
0861945.8980W
+02070
414217.4425N
0861746.9715W
00054.8
F
03.00
106.75
0184
40.0
50.0

CRC REMAINDER

DBFB27F3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K5
+02408
+02408

