

**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.

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SUPERSEDED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

**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 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: IM:
- 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; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000; INCREASE LNAV CAT C/D TO RVR 6000.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAPER ON V526 NORTHWEST BOUND.

**ADDITIONAL FLIGHT DATA:**

HOLD E, RT, 273.96 INBOUND.

CHART FAS OBST: 944 TREE (18-068012) 414212N/0862121W.

CHART 949 TOWER (18-001015) 414228N/0862655W.

CHART VDP AT 1.11 NM TO RW09R.

WAAS CHANNEL # 60908

REFERENCE PATH ID: W09B

LTP HAE: 207 M

**MINIMUMS:**

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

ALTERNATE: NA  STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS
LPV DA	1135	4000	345	1135	4000	345	1135	4000	345	1135	4000	345			
LNAV/VNAV DA	1200	5000	410	1200	5000	410	1200	5000	410	1200	5000	410			
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	1520	2 1/4	722			

**CHANGES - REASONS**

1. NOTES: CHART NOTE CHANGED FROM "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 5500 AND LNAV CAT C/D TO RVR 6000." TO "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 5500; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000; INCREASE LNAV CAT C/D TO RVR 6000." – DUE TO LNAV/VNAV MINIMUM CHANGES AND IAW 8260.3G, 3-3-2 AND 8260.19K, 8-6-12.O (3).

2. NOTES: DELETED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NOMES ON V8-92 EASTBOUND." – V8-92 ROUTES HAVE BEEN DELETED/NO LONGER CHARTED.

3. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART 950 TOWER (18-001015) 414229N/0862657W." TO "CHART 949 TOWER (18-001015) 414228N/0862655W." – UPDATED OBSTACLE DATA/EVALUATION.

4. ADDITIONAL FLIGHT DATA: DELETED "CHART CIRCLING ICON" – NO LONGER REQUIRED AND IAW FAA MEMO "REVISED CIRCLING MANEUVERING AREA CRITERIA IMPLEMENTATION PLAN" DATED 09/30/2021.

5. ALTERNATE: ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE." – IAW 8260.19K, 8-6-12.B (4).

6. MINIMUMS: LNAV/VNAV LOWERED DA/HAT ALL CATS FROM 1222/432 TO 1200/410 – LOWERED IAW 05/20/2025 MEMO LOWERING LNAV/VNAV MINIMUMS TO MATCH LNAV MINIMUMS.

7. MINIMUMS: INCREASED CIRCLING MDA/HAA CAT D FROM 1500/702 TO 1520/722 – NEW OBSTACLE EVALUATION, CLEARS NOTAM FDC 5/4400 AND FLIGHT INSPECTED BY ILS OR LOC RWY 27L.



**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 FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

*Digitally signed by*

**CASIMIR L TABAKA**

Dec 11, 2025

**OFFICE**

AJV-A432

**DATE**

09/12/2025

**DEVELOPED BY**

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

*Digitally signed by*  
**CASIMIR L TABAKA**

Dec 11, 2025

**OFFICE**

AJV-A432

**DATE**

**DATE**

**APPROVED BY**

CASIMIR L. TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**

Dec 11, 2025

**TITLE**  
MANAGER

**FAS DATA BLOCK INFORMATION**

**DATA FIELD**

**DATA**

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)

0  
0  
KSBN  
RW09R  
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



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> SBN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9R	<u>AMDT NO.</u> 1E	<u>CITY</u> SOUTH BEND	<u>STATE</u> IN	<u>AIRPORT ELEVATION</u> 798	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

**FROM** MAPER **TO** AROYA

RNP 1.00      DISTANCE 15.58      PAT      MAP      HAT      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TWR (26-002204)	415258.00N/0863551.00W	1021	500	50	5D	1000				AT579	2600
TERRAIN	415403.00N/0863636.00W	738 (700)								AS1500	2200

**COMPUTATIONS**

ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**

**FEEDER**

**FROM** NOMES **TO** YIBUC

RNP 1.00      DISTANCE 6.24      PAT      MAP      HAT      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	413748.00N/0863257.00W	1017	215	8	4B	1000				AT583	2600
TERRAIN	413700.00N/0863224.00W	793 (800)								AS1500	2300

**COMPUTATIONS**

ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**



**AIRPORT ID**  
SBN

**PROCEDURE NAME**  
RNAV (GPS) RWY 9R

**AMDT NO.**  
1E

**CITY**  
SOUTH BEND

**STATE**  
IN

**AIRPORT ELEVATION**  
798

**FACILITY**  
RNAV

**INITIAL**

**FROM**  
AROYA

**TO**  
ZAPPY

**RNP**  
1.00

**DISTANCE**  
5.60

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TOWER (18-001917)	414434.34N/0863125.89W	1172	250	50	4D	1000				AT428	2600
TERRAIN	414212.00N/0863512.00W	879 (900)								AS1500	2400

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**INITIAL**

**FROM**  
YIBUC

**TO**  
ZAPPY

**RNP**  
1.00

**DISTANCE**  
5.60

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TOWER (18-001890)	414028.52N/0863131.64W	1153	250	50	4D	1000				AT447	2600
TERRAIN	414221.00N/0863548.00W	872 (900)								AS1500	2400

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



**AIRPORT ID**  
SBN

**PROCEDURE NAME**  
RNAV (GPS) RWY 9R

**AMDT NO.**  
1E

**CITY**  
SOUTH BEND

**STATE**  
IN

**AIRPORT ELEVATION**  
798

**FACILITY**  
RNAV

**INTERMEDIATE**

**FROM**  
ZAPPY (IF/IAF)

**TO**  
ANUCO

**RNP**  
1.00

**DISTANCE**  
6.01

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TOWER (18-000073)	414228.00N/0862906.00W	1179	250	50	4D	500				AT921	2600
TERRAIN	414003.00N/0862939.00W	915 (900)								AS1500	2400

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**FINAL: LPV**

**FROM**  
ANUCO

**TO**  
RW09R

**RNP**  
0.30

**DISTANCE**  
5.51

**PAT**

**MAP**  
DA

**HAT**  
345

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE (18-068464)	414215.89N/0862039.14W	904	20	3	1A		34.00:1			MA76	1135

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



**AIRPORT ID**  
SBN

**PROCEDURE NAME**  
RNAV (GPS) RWY 9R

**AMDT NO.**  
1E

**CITY**  
SOUTH BEND

**STATE**  
IN

**AIRPORT ELEVATION**  
798

**FACILITY**  
RNAV

**FINAL: LNAV/VNAV**

**FROM**  
ANUCO

**TO**  
RW09R

**RNP**  
0.30

**DISTANCE**  
5.51

**PAT**

**MAP**  
DA

**HAT**  
410

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE (18-068012)	414212.12N/0862120.76W	944	20	3	1A		23.71:1				1200

**COMPUTATIONS**

**ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**FINAL: LNAV**

**FROM**  
ANUCO

**TO**  
RW09R

**RNP**  
0.30

**DISTANCE**  
5.51

**PAT**

**MAP**  
RW09R

**HAT**  
410

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE (18-068012)	414212.12N/0862120.76W	944	20	3	1A	250					1200

**COMPUTATIONS**

**ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**





**AIRPORT ID**  
SBN

**PROCEDURE NAME**  
RNAV (GPS) RWY 9R

**AMDT NO.**  
1E

**CITY**  
SOUTH BEND

**STATE**  
IN

**AIRPORT ELEVATION**  
798

**FACILITY**  
RNAV

**MISSED APPROACH: LNAV/VNAV**

**FROM**  
DA **TO**  
ISUYO

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
1039

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
TOWER (18-000660)	414152.86N/0860922.87W	1118	250	50	4D	1000					2200
TERRAIN	414215.00N/0862057.00W	843 (800)								AS1500	2300

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**MISSED APPROACH: LNAV**

**FROM**  
RW09R **TO**  
ISUYO

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
1100

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
TOWER (18-000660)	414152.86N/0860922.87W	1118	250	50	4D	1000					2200
TERRAIN	414215.00N/0862057.00W	843 (800)								AS1500	2300

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**





**AIRPORT ID**  
SBN

**PROCEDURE NAME**  
RNAV (GPS) RWY 9R

**AMDT NO.**  
1E

**CITY**  
SOUTH BEND

**STATE**  
IN

**AIRPORT ELEVATION**  
798

**FACILITY**  
RNAV

<b>APPROACH AND RUNWAY LIGHTING SYSTEM</b>	<b>RUNWAY MARKINGS</b>	<b>RUNWAY VISUAL RANGE</b>
RW09L - MIRL, PAPI-2L	NPI-G	
RW18 - MIRL (PCL), PAPI-4L	NPI-G	
RW27R - MIRL, PAPI-2L	NPI-G	
RW36 - MIRL (PCL), PAPI-4L	NPI-G	
RW09R - MALSF (PCL), HIRL (PCL), PAPI-4L	PIR-G	APPROACH
RW27L - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	APPROACH, ROLL OUT

<b>GLIDESLOPE ANGLE</b> 3.00	<b>ELEV RWY THRESHOLD</b> 789.9	<b>TCH</b> 54.8	<b>ELEV GS ANTENNA</b>	<b>DISTANCE FROM RWY</b>	<b>VGSI ANGLE</b> 3.00	<b>TCH</b> 55.0
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**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

**CRITICAL TEMPERATURES**

<b>CRITICAL LOW</b> -19C	<b>CRITICAL HIGH</b> +54C	<b>ACT</b> -22C	<b>APT ISA</b> +13.42C
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**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2013-2017).  
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.  
DESCENT RATE (FPM): STANDARD TEMP 965 HIGH TEMP 1273.

**"VISUAL PORTION OF FINAL" PENETRATIONS**

FINAL TYPE	CIRCLING RWY 27R:	
20:1		
846 TREE (18-066915) 414250.49N/0861829.32W (9.13)		844 TREE (18-039768) 414249.50N/0861828.82W (5.34)
FINAL TYPE	LPV, LNAV/VNAV,LNAV:	
34:1		
898 TREE (18-067402) 414208.57N/0862031.25W (12.39)		900 TREE (18-066248) 414209.39N/0862033.35W (9.75)
891 TREE (18-023766) 414209.34N/0862031.43W (5.03)		889 TREE (18-067105) 414211.16N/0862031.59W (2.79)
899 TREE (18-066291) 414209.23N/0862036.29W (2.19)		889 TREE (18-066352) 414212.23N/0862032.19W (1.52)
904 TREE (18-068464) 414215.89N/0862039.14W (1.25)		

**PENETRATIONS REMARKS:**



**AIRPORT ID**  
SBN

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RNAV (GPS) RWY 9R

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IN

**AIRPORT ELEVATION**  
798

**FACILITY**  
RNAV

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 949 TOWER (18-001015) 414228.43N/0862655.39W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

**PART D: AIRSPACE**

**DOCKET #**

**ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE**

<b>DISTANCE FROM</b>	THLD	<b>TO 1000FT POINT</b>	3.31
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	1.20
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	088.71
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	900
<b>DISTANCE FROM</b>	THLD	<b>TO 1500FT POINT</b>	5.11
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1500FT POINT</b>	1.76
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	088.71
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	900

**THRESHOLD COORDINATES (IF STR-IN)**

414215.58N/0861945.90W

**ARP COORDINATES**

414229.61N/0861902.42W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP**

RUNWAY 27L DISTANCE 0.87 NM

**FAF COORDINATES**

414208.36N/0862707.32W

**FIX NAME COORDINATES**

**REMARKS**

**PART E: PREPARED BY**

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