

**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 9L	ORIGINAL/AMENDMENT 1E	CITY SOUTH BEND	STATE IN
AIRPORT ELEVATION 798	TDZE 788	SUPERSEDED RNAV (GPS) RWY 9L	DATED 09/07/2023	MAG VAR 5W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	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		LMSFX		TF	FB	1.00	156.98	15.32	2400
LMSFX	IAF	WASIK		TF	FB	1.00	183.62	5.60	2400
MRRTE	IAF	WASIK		TF	FB	1.00	003.62	5.60	2400
WASIK	IF	EEJAY		TF	FB	1.00	093.62	6.00	2400
EEJAY	FAF	RW09L	MAP	TF	FO	0.30	093.71	4.94	
RW09L	MAP	2000 MSL		CA			093.71		2000
2000 MSL		LASEA		DF	FO	1.00			2400

MISSED APPROACH

MAP:

LP: RW09L
LNAV: RW09L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2400 DIRECT LASEA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT WASIK
- FAC: 093.71 FAF: EEJAY DIST FAF TO MAP: 4.94 DIST FAF TO THLD: 4.94
- MIN ALT: WASIK 2400, EEJAY 2400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:
- MIN GP INCPT: GP ALT AT FAF: OM: MM: IM:
- GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH:
- MSA FROM: RW09L 3000



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH (FEET)).
CHART NOTE: RWY 9L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING RWY 27R NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAPER ON V526 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 183.73 INBOUND.
FAS OBST: 978 AAO 414321N/0862418W, 968 AAO 414309N/0862418W.
CHART VDP AT 1.28 NM TO RW09L.
WAAS CHANNEL # 70542
REFERENCE PATH ID: W09A
EEJAY TO RW09L: 3.00/39.8.
LTP HAE: 206.4 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.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LP MDA	1240	1	452	1240	1	452	1240	1 3/8	452	1240	1 3/8	452			
LNAV MDA	1240	1	452	1240	1	452	1240	1 3/8	452	1240	1 3/8	452			
CIRCLING	1280	1	482	1280	1	482	1440	1 3/4	642	1520	2 1/4	722			

CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM FOR AMDT 1D INTO FORM – IAW 8260.19K PARA 8-3-4.C (3).
2. ADDITIONAL FLIGHT DATA: FAS OBST CHANGED FROM “FAS OBST: 979 AAO 414314N/0862420W.” TO “978 AAO 414321N/0862418W, 968 AAO 414309N/0862418W.” – NEW OBSTACLE EVALUATION.
3. ADDITIONAL FLIGHT DATA: ADDED “CHART VDP AT 1.28 NM TO RWY09L.” FOR BOTH THE LP AND LNAV – PREVIOUS 20:1 OBSTACLES NO LONGER EXIST.
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: 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

DATE

DEVELOPED BY

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

Digitally signed by
CASIMIR L TABAKA

Dec 11, 2025

OFFICE

AJV-A432

DATE

09/11/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA

Dec 11, 2025

OFFICE

AJV-A432

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSBN
RUNWAY	RW09L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	414250.1925N
LTP/FTP LONGITUDE	0861943.6000W
LTP/FTP ELLIPSOIDAL HEIGHT	+02064
FPAP LATITUDE	414252.0765N
FPAP LONGITUDE	0861744.6565W
THRESHOLD CROSSING HEIGHT (TCH)	00039.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0

CRC REMAINDER 03340BC6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02402
FPAP ORTHOMETRIC HEIGHT	+02402



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

<u>AIRPORT ID</u> SBN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9L	<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

<u>FROM</u> MAPER	<u>TO</u> LMSFX
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<u>RNP</u> 1.00	<u>DISTANCE</u> 15.32	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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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				AT379	2400
TERRAIN	415421.00N/0863600.00W	816 (800)								AS1500	2300

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INITIAL

<u>FROM</u> LMSFX	<u>TO</u> WASIK
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<u>RNP</u> 1.00	<u>DISTANCE</u> 5.60	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-001917)	414434.34N/0863125.89W	1172	250	50	4D	1000					2200
TERRAIN	414212.00N/0863512.00W	879 (900)								AS1500	2400

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
SBN

PROCEDURE NAME
RNAV (GPS) RWY 9L

AMDT NO.
1E

CITY
SOUTH BEND

STATE
IN

AIRPORT ELEVATION
798

FACILITY
RNAV

INITIAL

FROM
MRRTE

TO
WASIK

RNP
1.00

DISTANCE
5.60

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-001890)	414028.52N/0863131.64W	1153	250	50	4D	1000					2200
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:

INTERMEDIATE

FROM
WASIK

TO
EEJAY

RNP
1.00

DISTANCE
6.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (18-000073)	414228.00N/0862906.00W	1179	250	50	4D	500					1700
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:



AIRPORT ID
SBN

PROCEDURE NAME
RNAV (GPS) RWY 9L

AMDT NO.
1E

CITY
SOUTH BEND

STATE
IN

AIRPORT ELEVATION
798

FACILITY
RNAV

FINAL: LP

FROM
EEJAY

TO
RW09L

RNP
0.30

DISTANCE
4.94

PAT

MAP
RW09L

HAT
452

HMAS

<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>
AAO	414309.00N/0862418.00W	968	215	8	4B	250				XP22	1240

COMPUTATIONS

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

SEGMENT REMARKS:

XP-MAINTAIN CURRENT MINS.

FINAL: LNAV

FROM
EEJAY

TO
RW09L

RNP
0.30

DISTANCE
4.94

PAT

MAP
RW09L

HAT
452

HMAS

<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>
AAO	414321.00N/0862418.00W	978	215	8	4B	250					1240

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 9L

AMDT NO.
1E

CITY
SOUTH BEND

STATE
IN

AIRPORT ELEVATION
798

FACILITY
RNAV

MISSED APPROACH: LP

FROM
RW09L **TO**
LASEA

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1140

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2400
TOWER (26-001350)	415251.00N/0861813.00W	1250	500	50	5D	1000					2300
TERRAIN	414836.00N/0862003.00W	915 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW09L **TO**
LASEA

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1140

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2400
TOWER (26-001350)	415251.00N/0861813.00W	1250	500	50	5D	1000					2300
TERRAIN	414836.00N/0862003.00W	915 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:



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, 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

DISTANCE FROM	THLD	TO 1000FT POINT	3.61
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	088.71
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	4.74
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	088.62
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)

414250.19N/0861943.60W

ARP COORDINATES

414229.61N/0861902.42W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 27L DISTANCE 0.87 NM

FAF COORDINATES

414243.70N/0862619.04W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

OFFICE

AJV-A432

DATE

09/11/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

