

**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 18 | ORIGINAL/AMENDMENT 1F | CITY SOUTH BEND | STATE IN |
| AIRPORT ELEVATION 798 | TDZE 798 | SUPERSEDED RNAV (GPS) RWY 18 | DATED 12/28/2023 | MAG VAR 5W |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 |
|----------|----------|----------|----------|----------|-------|------|--------|----------|----------|
| JJANN | IAF | LASEA | | TF | FB | 1.00 | 273.79 | 15.34 | 2500 |
| MAPER | IAF | LASEA | | TF | FB | 1.00 | 106.00 | 18.64 | 2500 |
| LASEA | IF | TYLRR | | TF | FB | 1.00 | 183.71 | 10.13 | 2400 |
| TYLRR | FAF | RW18 | MAP | TF | FO | 0.30 | 183.75 | 4.87 | |
| RW18 | MAP | 1048 MSL | | CA | | | 183.75 | | |
| 1048 MSL | | DRNAA | | DF | FO | 1.00 | | | 2400 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2400 DIRECT DRNAA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT LASEA
- FAC: 183.75 FAF: TYLRR DIST FAF TO MAP: 4.87 DIST FAF TO THLD: 4.87
- MIN ALT: LASEA 2500, TYLRR 2400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.63 GS ANT:
- MIN GP INCPT: 2400 GP ALT AT PFAF: TYLRR 2400 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 50.0
- MSA FROM: RW18 3000



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.
 CHART NOTE: CIRCLING TO RWY 27R NA AT NIGHT.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JJANN ON V277 SOUTHEASTBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAPER ON V526 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 003.73 INBOUND.
 FAS OBST: 1031 AAO 414715N/0862015W.
 CHART VDP AT 1.41 NM TO RW18.
 WAAS CHANNEL # 73021
 REFERENCE PATH ID: W18A
 LTP HAE: 209.6 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 |
| LPV DA | 1048 | 3/4 | 250 | 1048 | 3/4 | 250 | 1048 | 3/4 | 250 | 1048 | 3/4 | 250 | | | |
| LNAV/VNAV DA | 1207 | 1 1/8 | 409 | 1207 | 1 1/8 | 409 | 1207 | 1 1/8 | 409 | 1207 | 1 1/8 | 409 | | | |
| LNAV MDA | 1300 | 1 | 502 | 1300 | 1 | 502 | 1300 | 1 3/8 | 502 | 1300 | 1 3/8 | 502 | | | |
| CIRCLING | 1300 | 1 | 502 | 1300 | 1 | 502 | 1440 | 1 3/4 | 642 | 1520 | 2 1/4 | 722 | | | |

CHANGES - REASONS

1. NOTES: CHART NOTE CHANGED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C." – UPDATED TEMPS FROM TARGETS VALUES BASED ON PREVIOUS AVERAGE COLD TEMPERATURE USED.
2. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART FAS OBST: 897 PWRLN (18-023726) 414300N/0861834W." TO "FAS OBST: 1031 AAO 414715N/0862015W." – NEW OBSTACLE EVALUATION.
3. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.41 NM TO RWY18." – NEW EVALUATIONS, LNAV MINIMUMS RAISED.
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. MINIMUMS: LNAV/VNAV DA/HAT ALL CATS INCREASED FROM 1057/259 TO 1207/409 AND VISIBILITIES FROM 3/4 SM TO 1 1/8 SM. – NEW OBSTACLE EVALUATION.
6. MINIMUMS: LNAV MDA/HAT ALL CATS INCREASED FROM 1160/362 TO 1300/502 AND CAT C/D VISIBILITIES INCREASED FROM 1 SM TO 1 3/8 – NEW OBSTACLE EVALUATION.
7. MINIMUMS: CIRCLING MDA/HAA INCREASED CAT A/B FROM 1280/482 TO 1300/502 AND 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.
8. FAS DATA: CRC REMAINDER CHANGED FROM 6B0A59A5 TO E67F667E – FPAP LAT/LONG CHANGED FROM "414138.3800N/0861907.2300W" TO "414138.3945N/ 0861907.2175W".



AIRPORT ID
SBN

PROCEDURE NAME
RNAV (GPS) RWY 18

ORIGINAL/AMENDMENT
1F

CITY
SOUTH BEND

STATE
IN

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZAU ARTCC, SBN ATCT, AMGR

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by
CASIMIR L TABAKA
Feb 09, 2026

OFFICE

AJF

DATE

02/07/2026

DEVELOPED BY

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

Digitally signed by
CASIMIR L TABAKA
Dec 11, 2025

OFFICE

AJV-A432

DATE

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Dec 11, 2025

OFFICE

AJV-A432

DATE

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
RW18
0
0
W18A
414307.5145N
0861909.8250W
+02096
414138.3945N
0861907.2175W
00050.0
F
03.00
106.75
0584
40.0
50.0

CRC REMAINDER

E67F667E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K5
+02434
+02434



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

| | | | | | | |
|--------------------------|--|-----------------------|---------------------------|--------------------|---------------------------------|-------------------------|
| <u>AIRPORT ID</u> SBN | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 18 | <u>AMDT NO.</u> 1F | <u>CITY</u> SOUTH BEND | <u>STATE</u> IN | <u>AIRPORT ELEVATION</u> 798 | <u>FACILITY</u> RNAV |
|--------------------------|--|-----------------------|---------------------------|--------------------|---------------------------------|-------------------------|

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL
FROM JJANN **TO** LASEA

RNP DISTANCE PAT MAP HAT HMAS
1.00 15.34

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------|------------------------|------------|------|------|----|------|-----|----|------|-------------|---------|
| AAO | 415903.00N/0855757.00W | 1204 | 215 | 8 | 4B | 1000 | | | | | 2300 |
| TERRAIN | 415703.00N/0855903.00W | 977 (1000) | | | | | | | | AS1500 | 2500 |

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL
FROM MAPER **TO** LASEA

RNP DISTANCE PAT MAP HAT HMAS
1.00 18.64

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-----------|------|------|----|------|-----|----|------|-------------|---------|
| TOWER (26-000450) | 415742.00N/0862102.00W | 1224 | 250 | 50 | 4D | 1000 | | | | AT276 | 2500 |
| TERRAIN | 415603.00N/0862345.00W | 780 (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 18

AMDT NO.
1F

CITY
SOUTH BEND

STATE
IN

AIRPORT ELEVATION
798

FACILITY
RNAV

INTERMEDIATE

FROM
LASEA **TO**
TYLRR

RNP 1.00 **DISTANCE** 10.13 **PAT** **MAP** **HAT** **HMAS**

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-----------|------|------|----|-----|-----|----|------|-------------|---------|
| TOWER (26-001350) | 415251.00N/0861813.00W | 1250 | 500 | 50 | 5D | 500 | | | | | 1800 |
| 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:

FINAL: LPV

FROM
TYLRR **TO**
RW18

RNP 0.30 **DISTANCE** 4.87 **PAT** **MAP** DA **HAT** 250 **HMAS**

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|----------|------|------|----|-----|------|----|------|-------------|---------|
| FENCE (18-023729) | 414310.52N/0861906.46W | 803 | 50 | 20 | 2C | | 34:1 | | | AC20 | 1048 |

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 18

AMDT NO.
1F

CITY
SOUTH BEND

STATE
IN

AIRPORT ELEVATION
798

FACILITY
RNAV

FINAL: LNAV/VNAV

FROM
TYLRR

TO
RW18

RNP
0.30

DISTANCE
4.87

PAT

MAP
DA

HAT
409

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| TREE | 414409.00N/0862000.00W | 917 | 215 | 8 | 4B | | 23.82:1 | | | AC8 | 1207 |

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM
TYLRR

TO
RW18

RNP
0.30

DISTANCE
4.87

PAT

MAP
RW18

HAT
502

HMAS

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| AAO | 414715.00N/0862015.00W | 1031 | 215 | 8 | 4B | 250 | | | | | 1300 |

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 18

AMDT NO.
1F

CITY
SOUTH BEND

STATE
IN

AIRPORT ELEVATION
798

FACILITY
RNAV

MISSED APPROACH: LPV

FROM
DA **TO**
DRNAA

RNP 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
861

| <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 | | | | 2400 |
| TOWER (18-001299) | 413142.30N/0861557.60W | 1321 | 500 | 50 | 5D | 1000 | | | | SA-79 | 2300 |
| TERRAIN | 413448.00N/0831730.00W | 925 (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/VNAV

FROM
DA **TO**
DRNAA

RNP 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1046

| <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 | | | | 2400 |
| TOWER (18-001299) | 413142.30N/0861557.60W | 1321 | 500 | 50 | 5D | 1000 | | | | SA-79 | 2300 |
| TERRAIN | 413448.00N/0831730.00W | 925 (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 18

AMDT NO.
1F

CITY
SOUTH BEND

STATE
IN

AIRPORT ELEVATION
798

FACILITY
RNAV

MISSED APPROACH: LNAV

FROM
RW18 **TO**
DRNAA

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1200

| OBSTRUCTION | COORDINATES | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-----------|------|------|----|------|-----|----|------|-------------|---------|
| | | | | | | | ASC | | | | 2400 |
| TOWER (18-001299) | 413142.30N/0861557.60W | 1321 | 500 | 50 | 5D | 1000 | | | | SA-79 | 2300 |
| TERRAIN | 413448.00N/0831730.00W | 925 (900) | | | | | | | | AS1500 | 2400 |

COMPUTATIONS

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

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

| OBSTRUCTION | COORDINATES | RADIUS | HAA | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|-------------------------|------------------------|--------|-----|----------|------|------|----|-----|-----|-------------|---------|
| CATEGORY A | | | | | | | | | | | |
| TREE (18-068300) | 414313.57N/0862056.29W | 1.30 | 502 | 975 | 20 | 3 | 1A | 300 | | SI | 1300 |
| CATEGORY B | | | | | | | | | | | |
| WATER_TOWER (18-068338) | 414335.46N/0862129.92W | 1.83 | 502 | 976 | 20 | 10 | 1B | 300 | | SI | 1300 |
| CATEGORY C | | | | | | | | | | | |
| BLDG (18-000388) | 414037.00N/0861509.00W | 2.88 | 642 | 1078 | 500 | 50 | 5D | 300 | | AC50 | 1440 |
| CATEGORY D | | | | | | | | | | | |
| TOWER (18-001113) | 414337.40N/0862431.00W | 3.77 | 722 | 1158 | 250 | 50 | 4D | 300 | | AC50 | 1520 |

CIRCLING REMARKS:

MSA

CENTER
RW18 **RADIUS**
25

| SECTOR | OBSTRUCTION | COORDINATES | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC | OCS | ADJUSTMENTS | MIN ALT |
|---------|-----------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | TWR (18-002311) | 413655.00N/0861107.00W | 141 | 8.7 | 1949 | 500 | 50 | 5D | 1000 | | | 3000 |

MSA REMARKS:



AIRPORT ID
SBN

PROCEDURE NAME
RNAV (GPS) RWY 18

AMDT NO.
1F

CITY
SOUTH BEND

STATE
IN

AIRPORT ELEVATION
798

FACILITY
RNAV

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAU ARTCC, SBN APP CON, SBN TOWER

| | | | | | | |
|---------------------------|------------------------|----------------------------|--------------------------------|-----------------|-------------------|-------------------------|
| WX SERVICE ASOS | LOCATION SBN | HRS OPERATION 24 | ALTIMETER SOURCE SBN | DISTANCE | WMSCR Y | ADJUSTMENTS 0 |
|---------------------------|------------------------|----------------------------|--------------------------------|-----------------|-------------------|-------------------------|

| | | | | | | |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|--------------|--------------------|
| BACK-UP WX SERVICE | LOCATION | HRS OPERATION | ALTIMETER SOURCE | DISTANCE | WMSCR | ADJUSTMENTS |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|--------------|--------------------|

WX REMARKS:

NO BACKUP ALTIMETER SOURCE. REDUNDANT WX SOURCE AVAILABLE.

| | | | |
|-----------------------|----------------------|----------------------|------------|
| PRIMARY NAVAID | MONITOR POINT | HRS OPERATION | CAT |
|-----------------------|----------------------|----------------------|------------|

| APPROACH AND RUNWAY LIGHTING SYSTEM | RUNWAY MARKINGS | RUNWAY VISUAL RANGE |
|--|------------------------|----------------------------|
| 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 |

| | | | | | | |
|---------------------------------|------------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|
| GLIDESLOPE ANGLE 3.00 | ELEV RWY THRESHOLD 798.4 | TCH 50.0 | ELEV GS ANTENNA | DISTANCE FROM RWY | VGSI ANGLE 3.00 | TCH 52.3 |
|---------------------------------|------------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|

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

| | | | |
|-----------------------------|------------------------------|--------------------|---------------------------|
| CRITICAL LOW -20C | CRITICAL HIGH +54C | ACT -22C | APT ISA +13.42C |
|-----------------------------|------------------------------|--------------------|---------------------------|

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2013-2017).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 965 HIGH TEMP 1274.

"VISUAL PORTION OF FINAL" PENETRATIONS

| | |
|------------|-------------------|
| FINAL TYPE | CIRCLING RWY 27R: |
| 20:1 | |



AIRPORT ID
SBN

PROCEDURE NAME
RNAV (GPS) RWY 18

AMDT NO.
1F

CITY
SOUTH BEND

STATE
IN

AIRPORT ELEVATION
798

FACILITY
RNAV

846 TREE (18-066915) 414250.49N/0861829.32W (9.13)

844 TREE (18-039768) 414249.50N/0861828.82W (5.34)

PENETRATIONS 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.

TAA NOT DEVELOPED PER ATC.

100 FT VEGETATION USED PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1047 AAO 414803.00N/0862036.00W.

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 | 2.99 |
| WIDTH OF | FINAL | SEGMENT AT 1000FT POINT | 1.20 |
| TRUE COURSE OF | FINAL | SEGMENT CONTAINING 1000FT POINT | 178.75 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 800 |
| DISTANCE FROM | THLD | TO 1500FT POINT | 4.67 |
| WIDTH OF | FINAL | SEGMENT AT 1500FT POINT | 1.95 |
| TRUE COURSE OF | FINAL | SEGMENT CONTAINING 1500FT POINT | 178.75 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1500FT POINT | 800 |

THRESHOLD COORDINATES (IF STR-IN)

414307.51N/0861909.83W

ARP COORDINATES

414229.61N/0861902.42W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 27L DISTANCE 0.87 NM

FAF COORDINATES

414759.86N/0861918.35W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

OFFICE

AJV-A432

DATE

TITLE

AERONAUTICAL INFORMATION SPECIALIST

