

**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.

<u>AIRPORT ID</u> SPI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> SPRINGFIELD	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 598	<u>TDZE</u> 590	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 08/13/2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 OCTOBER 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 1W
				<u>EPOCH YEAR</u> 2005
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
LATHA	IAF	CONOX	NOPT	TF	FB	1.00	246.50	11.39	3100
CLEEK	IAF	CONOX	NOPT	TF	FB	1.00	001.07	12.89	3100
CONOX	IF/IAF	WOPEX		TF	FB	1.00	307.76	9.00	2100
WOPEX	FAF	RW31	MAP	TF	FO	0.30	307.66	4.53	
RW31	MAP	840 MSL		CA			307.66		
840 MSL		JOPOD		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT JOPOD AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE CONOX, RT, 307.76 INBOUND, 3100 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC: 307.67 FAF: WOPEX DIST FAF TO MAP: 4.53 DIST FAF TO THLD: 4.53
- MIN ALT: CONOX 3100, WOPEX 2100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.63 GS ANT: MM: IM:
- MIN GP INCPT: 2100 GP ALT AT PFAF: WOPEX 2100
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 55.1
- MSA FROM: RW31 3100

QUALITY
13
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING AAA ALTIMETER SETTING.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AAA ALTIMETER SETTING AND INCREASE LPV DA TO 898 FEET; INCREASE LNAV/VNAV DA TO 967 FEET; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LATHA ON V50 EASTBOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 7/8 SM, INCREASE LNAV VISIBILITY CATS A AND B TO 1 SM, AND CATS C AND D TO 1 3/4 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING AAA ALTIMETER SETTING, INCREASE LPV VISIBILITY ALL CATS TO 7/8 SM, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 1 SM, INCREASE LNAV VISIBILITY CATS A AND B TO 1 SM, AND CATS C AND D TO 1 7/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 127.48 INBOUND.
CHART FAS OBST: 890 TOWER (17-000556) 394830N/0893730W.
CHART 994 TOWER (17-001648) 394651N/0893618W.
CHART VDP AT 1.76 NM TO RW31.
WAAS CHANNEL # 90124
REFERENCE PATH ID: W31A
CHART CIRCLING ICON.
LTP HAE: 145.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, 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	HAT/HAA
LPV DA	840	3/4	250	840	3/4	250	840	3/4	250	840	3/4	250			
LNAV/VNAV DA	909	3/4	319	909	3/4	319	909	3/4	319	909	3/4	319			
LNAV MDA	1200	3/4	610	1200	3/4	610	1200	1 3/8	610	1200	1 3/8	610			
CIRCLING	1200	1	602	1200	1	602	1360	2 1/4	762	1380	2 1/2	782			



CHANGES - REASONS

1. P-NOTAM FOR ORIG-A INCORPORATED INTO FORMS - REQUIRED IAW 8260.19J PARA 8-3-4.C.(2).
2. AIRPORT ELEVATION: CHANGED FROM 597 TO 598 - NEW AIRNAV DATA.
3. TERMINAL ROUTES: ADDED WOPEX TO RW31 SEGMENT - IAW 8260.19J PARA 8-6-4.
4. PROFILE LINE 2: ADDED "MAX 6000" - IAW 8260.19J PARA 8-6-7.B(2).
5. PROFILE LINE 7: ADDED 20:1 IS CLEAR - IAW 8260.19J, 8-6-7.G(3)(A).
6. DELETED "CHART NOTE DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" - UPDATED IAW 8260.19J PARA 8-6-8.D.
7. NOTES: CHANGED REMOTE ALTIMETER NOTE FROM "CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING; INCREASE ALL DA 57 FEET AND MDA 60 FEET, INCREASE CIRCLING CAT C AND D VISIBILITY 1/4 SM" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AAA ALTIMETER SETTING AND INCREASE LPV DA TO 898 FEET; INCREASE LNAV/VNAV DA TO 967 FEET; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM" - IAW 8260.19J PARA 8-6-10.F (4) AND 8260.3F TABLE 3-3-1.
8. NOTES: UPDATED PLANVIEW NOTE FROM "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LATHA VIA V50 EASTBOUND AND FOR ARRIVALS AT CLEEK VIA V67 SOUTHBOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LATHA ON V50 EASTBOUND" - V67 NO LONGER EXISTS.
9. NOTES: CHANGED BARO-VNAV AND VDP NOTE FROM "CHART NOTE: VDP AND BARO-VNAV NA WHEN USING LOGAN COUNTY ALTIMETER SETTING" TO "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING AAA ALTIMETER SETTING" - IAW 8260.19J PARA 8-6-10.F (6).
10. NOTES: CHANGED BARO-VNAV NA NOTE FROM "CHART NOTE: BARO-VNAV NA BELOW -16C (4 F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C" - IAW 8260.19J PARA 8-6-10.R.
11. NOTES: UPDATED INOPERATIVE ALS NOTE FROM "CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV VISIBILITY TO 3/4 ALL CATS, INCREASE LNAV/VNAV CAT D VISIBILITY TO 1" TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 7/8 SM, INCREASE LNAV VISIBILITY CATS A AND B TO 1 SM, AND CATS C AND D TO 1 3/4 SM" - IAW 8260.19J PARA 8-6-12.O(3)(D) AND 8260.3F TABLES 3-3-1, 3-3-3, AND 3-3-4.
12. NOTES: ADDED CHART NOTE: FOR INOPERATIVE ALS WHEN USING AAA ALTIMETER SETTING, INCREASE LPV VISIBILITY ALL CATS TO 7/8 SM, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 1 SM, INCREASE LNAV VISIBILITY CATS A AND B TO 1 SM, AND CATS C AND D TO 1 7/8 SM" - IAW 8260.19J PARA 8-6-12.O(3)(D) AND 8260.3F TABLES 3-3-1, 3-3-3 AND 3-3-4.
13. NOTES: ADDED "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV" - IAW 8260.19J PARA 8-6-12.O(3)(C).
14. ADDITIONAL FLIGHT DATA: DELETED "CHART ASR." - NO LONGER REQUIRED BY CRITERIA.
15. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST FROM: "CHART FAS OBST: 890 TOWER 384830N/93730W, 610 TWR 395002N/0893946W" TO "CHART FAS OBST: 890 TOWER (17-000556) 394830N/0893730W" - IAW 8260.19J PARA 8-6-11.C.
16. ADDITIONAL FLIGHT DATA: UPDATED 7:1 OBSTACLE FROM "954 TOWER 394651N/0893618W" TO "994 TOWER (17-001648) 394651N/0893618W" - NEW TARGETS EVALUATION AND UPDATED OBSTACLE DATA.
17. ADDITIONAL FLIGHT DATA: CHANGED VDP NOTE FROM "CHART VDP AT 1.77 MILES TO RW31* *LNAV ONLY" TO "CHART VDP AT 1.76 NM TO RW31" - NO LONGER REQUIRED TO SPECIFY LNAV ONLY, DISTANCE CHANGED IAW 8260.3F FORMULA 2-6-5.
18. ADDITIONAL FLIGHT DATA: MOVED "DISTANCE TO THLD FROM 250 HAT: 0.63 NM" TO PROFILE LINE 5 - IAW 8260.19J PARA 8-6-7.E.
19. MINIMUMS: INCREASED LPV VISIBILITY FROM 1/2 SM TO 3/4 SM - IAW 8260.3F TABLE 3-3-6.
20. MINIMUMS: INCREASED LNAV/VNAV HAT/DA FROM 865/275 TO 909/319 AND VISIBILITY ALL CATS FROM 1/2 SM TO 3/4 SM - NEW CONTROLLING OBSTACLE AND IAW 8260.3F TABLE 3-3-6.
21. MINIMUMS: INCREASED LNAV VISIBILITY CATS A/B FROM 1/2 SM TO 3/4 SM - IAW 8260.3F TABLE 3-3-6.
22. MINIMUMS: INCREASED LNAV VISIBILITY CAT C FROM 1 1/4 SM TO 1 3/8 SM AND LOWERED LNAV CAT D VISIBILITY FROM 1 1/2 SM TO 1 3/8 SM - IAW 8260.3F TABLE 3-3-1.
23. MINIMUMS: CIRCLING HAA CAT A/B CHANGED FROM 603 TO 602 - NEW AIRNAV DATA.
24. CRC REMAINDER CHANGED FROM "60DB911B" TO "C8E8BA60" - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "+01451" TO "+01452", FPAP COORDINATES CHANGED FROM "395059.0300N/0894116.8800W" TO "395110.0610N/0894136.1680W", LENGTH OFFSET CHANGED FROM "0048" TO "0496".

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER:

SPI APP CON, SPI ATCT, ZKC, AMGR

FLIGHT CHECKED BY

SHAWN D MAXWELL

Digitally signed by

DAVID DANNER

Jul 03, 2025

OFFICE

AJF

DATE

07/01/2025

DEVELOPED BY

DAVID DANNER (GEORGE H. TYLER)

Digitally signed by

DAVID DANNER

Jul 03, 2025

OFFICE

AJV-A421

DATE

02/06/2025

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

Jul 03, 2025

OFFICE

AJV-A421

DATE

06/12/2025

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSPI
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	395016.8825N
LTP/FTP LONGITUDE	0894003.3090W
LTP/FTP ELLIPSOIDAL HEIGHT	+01452
FPAP LATITUDE	395110.0610N
FPAP LONGITUDE	0894136.1680W
THRESHOLD CROSSING HEIGHT (TCH)	00055.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0496
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	C8E8BA60

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01777
FPAP ORTHOMETRIC HEIGHT	+01777

