

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SUPERSEDED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

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
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



**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.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>												
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**

**OFFICE** **DATE**

**DEVELOPED BY**

DAVID DANNER (GEORGE H. TYLER)

**OFFICE** **DATE**  
AJV-A421 02/06/2025

**APPROVED BY**

DAVID DANNER

**OFFICE** **DATE** **TITLE**  
AJV-A421 06/12/2025 MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
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



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

<u>AIRPORT ID</u> SPI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>AMDT NO.</u> ORIG-B	<u>CITY</u> SPRINGFIELD	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 598	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**  
**FROM**  
LATHA

**TO**  
CONOX

<u>RNP</u> 1.00	<u>DISTANCE</u> 11.39	<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 (17-000180)	394604.15N/0891534.30W	820	100	50	3D	1000				AT1280	3100
TERRAIN	394604.00N/0891535.00W	770 (770)								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**  
**FROM**  
CLEEK

**TO**  
CONOX

<u>RNP</u> 1.00	<u>DISTANCE</u> 12.89	<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 (17-001081)	393040.00N/0892840.00W	1044	500	125	5E	1000				AT1056	3100
TERRAIN	393000.00N/0893009.00W	640 (640)								AS1500	2100

**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**  
SPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 31

**AMDT NO.**  
ORIG-B

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

**INTERMEDIATE**

**FROM**  
CONOX (IF/IAF)

**TO**  
WOPEX

RNP  
1.00

DISTANCE  
9.00

PAT

MAP

HAT

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>
TOWER (17-000474)	394727.37N/0893053.03W	1224	250	50	4D	500					1800
TERRAIN	394530.00N/0892454.00W	611 (611)								AS1500	2100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LPV**

**FROM**  
WOPEX

**TO**  
RW31

RNP  
0.30

DISTANCE  
4.53

PAT

MAP  
DA

HAT  
250

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>
							ASC			XP50	840

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

XP50: 50 FT ADJUSTMENT TO RETAIN CURRENT LPV MINIMUMS.



**AIRPORT ID**  
SPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 31

**AMDT NO.**  
ORIG-B

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

**FINAL: LNAV/VNAV**

**FROM**  
WOPEX

**TO**  
RW31

**RNP**  
0.30

**DISTANCE**  
4.53

**PAT**

**MAP**  
DA

**HAT**  
319

**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 (17-086450)	394954.31N/0893852.06W	698	250	50	4D	161				AC50	909

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LNAV**

**FROM**  
WOPEX

**TO**  
RW31

**RNP**  
0.30

**DISTANCE**  
4.53

**PAT**

**MAP**  
RW31

**HAT**  
610

**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 (17-000556)	394830.00N/0893730.00W	890	500	50	5D	250				AC50	1200

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
SPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 31

**AMDT NO.**  
ORIG-B

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

**HOLD-IN-LIEU OF PT**

**FROM**  
CONOX

**TO**  
P-5

RNP

DISTANCE

PAT  
P-5

MAP

HAT

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>
TOWER (17-001475)	394757.00N/0892646.00W	2049	100	20	3C	1000					3100
TERRAIN	394518.00N/0891818.00W	653 (653)								AS1500	2200

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH: LPV**

**FROM**  
DA

**TO**  
JOPOD

RNP  
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS  
647

<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				2500
TOWER (17-020642)	395749.86N/0895036.82W	861	500	50	5D	1000					1900
TERRAIN	395651.00N/0895303.00W	624 (600)								AS1500	2100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
SPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 31

**AMDT NO.**  
ORIG-B

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

**MISSED APPROACH: LNAV/VNAV**

**FROM** DA **TO** JOPOD

**RNP** 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 748

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2500
TOWER (17-020642)	395749.86N/0895036.82W	861	500	50	5D	1000					1900
TERRAIN	395651.00N/0895303.00W	624 (600)								AS1500	2100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH: LNAV**

**FROM** RW31 **TO** JOPOD

**RNP** 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 1100

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2500
TOWER (17-020642)	395749.86N/0895036.82W	861	500	50	5D	1000					1900
TERRAIN	395651.00N/0895303.00W	624 (600)								AS1500	2100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
SPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 31

**AMDT NO.**  
ORIG-B

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

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

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>RADIUS</b>	<b>HAA</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
CATEGORY A											
CRANE (17-041318)	394901.01N/0894019.69W	1.30	602	731	20	3	1A	300		SI	1200
CATEGORY B											
TOWER (17-031393)	394932.00N/0893812.00W	1.83	602	741	250	50	4D	300		SI/AC50	1200
CATEGORY C											
BUILDING (17-000391)	394754.00N/0893917.00W	2.87	762	1000	50	50	2D	300		AC50	1360
CATEGORY D											
TOWER (17-063669)	394941.26N/0893539.99W	3.75	782	1046	20	3	1A	300		XP34	1380

**CIRCLING REMARKS:**

XP34: 34 FT ADJUSTMENT TO RETAIN CURRENT CAT D PUBLISHED MINIMUMS.

**MSA**

**CENTER**  
RW31

**RADIUS**  
25

<b>SECTOR</b>	<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>BEARING</b>	<b>DISTANCE</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
360-360	TOWER (17-000148)	394816.10N/0892740.00W	103	9.8	2049	100	50	3D	1000			3100

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**



**AIRPORT ID**  
SPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 31

**AMDT NO.**  
ORIG-B

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

SPI APP CON, SPI TOWER, ZKC ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	SPI	24	SPI	0	Y	0

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3	AAA	24	AAA	24.61	Y	58

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME.  
SPI 598, AAA 594  
RA = 57.1

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW04 - MALSR (PCL), HIRL (PCL), VASI-4L	PIR-G	APPROACH
RW13 - HIRL (PCL), REIL (PCL), PAPI-4R	PIR-G	
RW22 - MALSR (PCL), HIRL (PCL), VASI-4L	PIR-G	ROLL OUT
RW31 - MALSR (PCL), HIRL (PCL), VASI-4L (PCL)	PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	583.1	55.1			3.00	54.0

**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**

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-16C	+54C	-16C	+13.82C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 963 HIGH TEMP 1270.

**"VISUAL PORTION OF FINAL" PENETRATIONS**



**AIRPORT ID**  
SPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 31

**AMDT NO.**  
ORIG-B

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**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:**

TAA NOT DEVELOPED AT AIR TRAFFIC REQUEST.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ORDER 8260.3 CHAPTER 2 APPLIED TO 994 TOWER (17-001648) 394651.00N/0893618.00W.

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	
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.40
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	307.67
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	4.53
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	307.67
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	600

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

395016.88N/0894003.31W

**ARP COORDINATES**

395040.61N/0894039.17W

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

RUNWAY 22 DISTANCE 0.70 NM

**FAF COORDINATES**

394734.59N/0893520.26W

**FIX NAME COORDINATES**

**REMARKS**

NO ADDITIONAL AIRSPACE REQUIRED.

**PART E: PREPARED BY**

**NAME**  
DAVID DANNER (GEORGE H. TYLER)

**OFFICE**  
AJV-A421

**DATE**  
02/06/2025

**TITLE**  
AERONAUTICAL INFORMATION SPECIALIST

