

**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> KSPI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> SPRINGFIELD	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 598	<u>TDZE</u> 592	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 08/13/2020	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 DECEMBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GINIA	IAF	JOPOD	NOPT	TF	FB	1.00	057.04	12.42	2500
ATTIC	IAF	JOPOD	NOPT	TF	FB	1.00	142.85	7.43	2500
JOPOD	IF/IAF	HIPLO		TF	FB	1.00	127.48	6.18	2200
HIPLO	FAF	TIPUW/2.80 NM TO RW13		TF	FB	0.30	127.55	2.04	
TIPUW/2.80 NM TO RW13		RW13	MAP	TF	FO	0.30	127.55	2.80	
RW13	MAP	875 MSL		CA			127.55		
875 MSL		CONOX		DF	FO	1.00			3100

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 DIRECT CONOX AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)

2. HOLD NW JOPOD, RT, 127.48 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. **FAC:** 127.55 **FAF:** HIPL0 **DIST FAF TO MAP:** 4.84 **DIST FAF TO THLD:** 4.84

4. **MIN ALT:** JOPOD 2500, HIPL0 2200, TIPUW/2.80 NM TO RW13 1520

5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **283 HAT:** 0.74 **GS ANT:**

6. **MIN GP INCPT:** 2200 **GP ALT AT PFAF :** HIPL0 2200 **OM:** **MM:** **IM:**

7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 50.0

8. **MSA FROM:** RW13 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LINCOLN ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATTIC ON V67 NORTHWEST BOUND.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING: INCREASE LPV DA TO 932 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1068 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.
 CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 307.76 INBOUND.
 CHART FAS OBST: 719 TREE 395152N/0894329W.
 CHART VDP AT 1.07 NM TO RW13.
 WAAS CHANNEL # 99616
 REFERENCE PATH ID: W13A
 CHART CIRCLING ICON.
 LTP HAE: 146.6 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	875	7/8	283	875	7/8	283	875	7/8	283	875	7/8	283				
LNAV/VNAV DA	1011	1 1/8	419	1011	1 1/8	419	1011	1 1/8	419	1011	1 1/8	419				
LNAV MDA	980	1	388	980	1	388	980	1 1/8	388	980	1 1/8	388				
CIRCLING	1040	1	442	1100	1	502	1360	2 1/4	762	1380	2 1/2	782				



CHANGES - REASONS

1. INCORPORATED P-NOTAM FOR AMDT 1A THROUGH 1C - PER 8260.19I, PARA 8-3-4. C. (2).
2. TERMINAL ROUTES: CHANGED JOPOD TO HIPLO RNP VALUE CHANGED FROM 0.50 TO 1.0 - PER 8260.58B, TABLE 1-2-1.
3. TERMINAL ROUTES: ADDED FAF LEG FROM "HIPLO" TO "TIPUW/2.80 NM TO RW13"; RNP 0.30, COURSE 127.55 AND DISTANCE 2.80 - PER 8260.58G, PARA 3-1-5 & TABLE 1-2-1.
4. TERMINAL ROUTES: ADDED MA LEG FROM "TIPUW/2.80 NM TO RW13" TO "RW13"; RNP 0.30 AND COURSE 127.55 - PER 8260.58G, PARA 1-2-5. C. (4) & TABLE 1-2-1.
5. TERMINAL ROUTES: ADDED CA LEG FROM "RW13" TO "875 MSL" AND COURSE 127.55 - PER 8260.58B, PARA 3-5-2.
6. TERMINAL ROUTES: ADDED DF LEG FROM "875 MSL" TO "CONOX" - PER 8260.58B, PARA 3-5-2 & 3-7-3. A. (1). A.
7. PROFILE LINE 2: UPDATED FROM "HOLD NW JOPOD, RT, 127.48 INBOUND, 2500 FT. IN LIEU OF PT (IAF)" TO "HOLD NW JOPOD, RT, 127.48 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000" - PER 8260.19I, PARA 8-6-7. B. (2).
8. PROFILE LINE 4: UPDATED FROM "JOPOD 2500, HIPLO 2200, TIPUW/2.80 NM TO RW13 1520*" TO "JOPOD 2500, HIPLO 2200, TIPUW/2.80 NM TO RW13 1520" - REMOVED ASTERISK PER 8260.19I, PARA 1-1-5. F. (12).
9. PROFILE LINE 5: ADDED 283 HAT: 0.74 NM - MOVED FROM ADDITIONAL FLIGHT DATA.
10. PROFILE LINE 7: ADDED 20:1 IS CLEAR - NO 20:1 PENETRATIONS EXIST.
11. CHART NOTE: DELETED DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH-GPS - PER 8260.19I, PARA 8-6-8. B.
12. CHART NOTE: UPDATED FROM "VISIBILITY REDUCTION BY HELICOPTER NA" TO "RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 PENETRATIONS EXIST.
13. CHART NOTE: UPDATED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 47°C (116°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C." - PER 8260.19I, PARA 8-6-9. R.
14. CHART NOTE: UPDATED FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING: INCREASE ALL DA 57 FEET AND MDA 60 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 SM, AND INCREASE LNAV AND CIRCLING CATS C AND D VISIBILITY 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING: INCREASE LPV DA TO 932 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1068 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM" - PER 8260.3, TABLE 3-3-1.
15. ADDITIONAL FLIGHT DATA: DELETED ASTERISK ON, " CHART VDP: 1.07 NM TO RW13*" AND DELETED "*"LNAV ONLY" - PER 8260.19I, PARA 1-1-5. F. (12).
16. ADDITIONAL FLIGHT DATA: DELETED "CHART: ASR" - NO LONGER REQUIRED PER 8260.19I, PARA 1-1-5. F. (16).
17. ADDITIONAL FLIGHT DATA: DELETED LNAV/VNAV CHART FAS OBSTACLE "709 TOWER 395108N/0894242W" - PER 8260.19I, PARA 8-6-10. C.
18. ADDITIONAL FLIGHT DATA: ADDED "LTP HAE: 146.6 M" - PER 8260.19I PARA 8-6-10. J. (3).
19. CHART PLANVIEW NOTE: DELETED NOTE "PROCEDURE NA FOR ARRIVAL AT GINIA VIA V50 WESTBOUND" - VICTOR ROUTE REMOVED DUE TO VOR MON.
20. MINIMUMS: LOWERED LPV ALL CATS VISIBILITY FROM "1 TO 7/8" - PER 8260.3E, TABLE 3-3-1.
21. MINIMUMS: LOWERED LNAV/VNAV ALL CATS VISIBILITY FROM "1 1/2 TO 1 1/8" - PER 8260.3, TABLE 3-3-1.
22. MINIMUMS: INCREASED LNAV CAT C VISIBILITY FROM "1 TO 1 1/8" AND LOWERED CAT D VISIBILITY FROM "1 1/4 TO 1 1/8" - PER 8260.3, TABLES 3-3-1.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: SPI APP CON, SPI ATCT, ZKC, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by
ROBERT G HAMILTON
Nov 17, 2023

DEVELOPED BY

KAMARUDINI R. RAIMI (DAVID TEFFETELLER)

OFFICE

AJV-A433

DATE

08/02/2023

Digitally signed by
ROBERT G HAMILTON
Nov 17, 2023

APPROVED BY

DAVID TEFFETELLER

OFFICE

AJV-A430

DATE

Digitally signed by
ROBERT G HAMILTON
Nov 17, 2023

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSPI
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	395100.4945N
LTP/FTP LONGITUDE	0894119.4540W
LTP/FTP ELLIPSOIDAL HEIGHT	+01466
FPAP LATITUDE	395007.3100N
FPAP LONGITUDE	0893946.5900W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
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	753E5DFA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01792
FPAP ORTHOMETRIC HEIGHT	+01792

