

**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SUPERSEDED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>	<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**

**DEVELOPED BY**

KAMARUDINI R. RAIMI (DAVID TEFFETELLER)

**OFFICE**

AJV-A433

**DATE**

08/02/2023

**APPROVED BY**

DAVID TEFFETELLER

**OFFICE**

AJV-A430

**DATE**

**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



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

<u>AIRPORT ID</u> KSPI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>AMDT NO.</u> 1D	<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  
GINIA

TO  
JOPOD

<u>RNP</u>	<u>DISTANCE</u> 12.42	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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 (17-003582)	395257.56N/0900043.99W	897	20	3	1A	1000				AT603	2500
TERRAIN	395000.00N/0900448.00W	640 (600)								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:**

INITIAL

FROM  
ATTIC

TO  
JOPOD

<u>RNP</u>	<u>DISTANCE</u> 7.43	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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 (17-002307)	400051.00N/0895915.00W	850	500	50	5D	1000				AT650	2500
TERRAIN	400203.00N/0895736.00W	630 (600)								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**  
KSPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 13

**AMDT NO.**  
1D

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

**INTERMEDIATE**

**FROM**  
JOPOD (IF/IAF)

**TO**  
HIPLO

**RNP**                  **DISTANCE**                  **PAT**                  **MAP**                  **HAT**                  **HMAS**  
                                 6.18

<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 (17-003362)	400038.10N/0894859.00W	942	50	20	2C	500				SA-53 AT811	2200
TERRAIN	395445.00N/0895530.00W	627 (600)								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**  
HIPLO

**TO**  
RW13

**RNP**                  **DISTANCE**                  **PAT**                  **MAP**                  **HAT**                  **HMAS**  
                                 4.84                                  DA                                  283

<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>
TREE (KSPIT0015)	395110.03N/0894144.50W	671	50	20	2C		27.03:1			MA33 AC20	875

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
KSPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 13

**AMDT NO.**  
1D

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

**FINAL: LNAV/VNAV**

**FROM**  
HIPLO **TO**  
RW13

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
4.84 DA 419

<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 (17-001255)	395108.33N/0894241.80W	709	50	20	2C		23.4:1			AC20	1011

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

**SEGMENT REMARKS:**

**FINAL: LNAV**

**FROM**  
HIPLO **TO**  
TIPUW/2.80 NM TO RW13

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
2.04

<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>
AAO	395358.43N/0894426.49W	819	50	20	2C	250				DG403 SA-9 RA57	1520

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

**SEGMENT REMARKS:**



**AIRPORT ID**

KSPI

**PROCEDURE NAME**

RNAV (GPS) RWY 13

**AMDT NO.**

1D

**CITY**

SPRINGFIELD

**STATE**

IL

**AIRPORT ELEVATION**

598

**FACILITY**

RNAV

**FINAL: LNAV STEPDOWN****FROM**

TIPUW/2.80 NM TO RW13

**TO**

RW13

**RNP****DISTANCE**  
2.80**PAT****MAP**  
RW13**HAT**  
388**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>
TREE	395152.45N/0894329.30W	719	50	20	2C	250					980

**COMPUTATIONS**

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

**SEGMENT REMARKS:****HOLD-IN-LIEU OF PT****FROM**

JOPOD

**TO**

P-5

**RNP****DISTANCE****PAT**  
P-5**MAP****HAT****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 (17-003500)	395420.72N/0894844.32W	856	20	3	1A	1000				AT644	2500
TERRAIN	395727.00N/0900239.00W	640 (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**  
KSPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 13

**AMDT NO.**  
1D

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

**MISSED APPROACH : LPV**

**FROM**  
DA **TO**  
CONOX

**RNP**      **DISTANCE**      **PAT**      **MAP**      **HAT**      **HMAS**  
672

<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>
TREE (KSPIT0020)	395119.58N/0894142.88W	666	50	20	2C		ASC			AC20	3100
TOWER (17-000474)	394727.00N/0893053.00W	1226	500	50	5D	1000					2300
TERRAIN	394418.00N/0891821.00W	650 (700)								AS1500	2200

**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**  
CONOX

**RNP**      **DISTANCE**      **PAT**      **MAP**      **HAT**      **HMAS**  
730

<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>
							ASC				3100
TOWER (17-000474)	394727.00N/0893053.00W	1226	500	50	5D	1000					2300
TERRAIN	394418.00N/0891821.00W	650 (700)								AS1500	2200

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
KSPI

**PROCEDURE NAME**  
RNAV (GPS) RWY 13

**AMDT NO.**  
1D

**CITY**  
SPRINGFIELD

**STATE**  
IL

**AIRPORT ELEVATION**  
598

**FACILITY**  
RNAV

**MISSED APPROACH : LNAV**

**FROM**  
RW13 **TO**  
CONOX

<b>RNP</b>	<b>DISTANCE</b>	<b>PAT</b>	<b>MAP</b>	<b>HAT</b>			<b>HMAS</b> 730			<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
<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>
								ASC				3100
TOWER (17-000474)	394727.00N/0893053.00W		1226	500	50	5D	1000					2300
TERRAIN	394418.00N/0891821.00W		650 (700)								AS1500	2200

**COMPUTATIONS**

**ALT**   **KIAS**   **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

<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>
<b>CATEGORY A</b>											
CRANE (17-041318)	394901.01N/0894019.69W	1.30	442	731	20	3	1A	300			1040
<b>CATEGORY B</b>											
TOWER (17-031393)	394932.00N/0893812.00W	1.83	502	741	250	50	4D	300		AC50	1100
<b>CATEGORY C</b>											
BUILDING (17-000391)	394754.00N/0893917.00W	2.87	762	1000	50	50	2D	300		AC50	1360
<b>CATEGORY D</b>											
TOWER (17-063669)	394941.26N/0893539.99W	3.75	782	1046	20	3	1A	300		XP34	1380

**CIRCLING REMARKS:**

XP = 34 TO MATCH CURRENT PUBLISHED MINIMUMS FOR CAT D





AIRPORT ID  
KSPI

PROCEDURE NAME  
RNAV (GPS) RWY 13

AMDT NO.  
1D

CITY  
SPRINGFIELD

STATE  
IL

AIRPORT ELEVATION  
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FACILITY  
RNAV

**PART B: SUPPLEMENTAL DATA**

COMMUNICATIONS WITH

SPI APP CON, SPI TOWER, ZKC ARTCC

WX SERVICE  
ASOS

LOCATION  
KSPI

HRS OPERATION  
24

ALTIMETER SOURCE  
KSPI

DISTANCE  
0

SERVICE-A  
Y

ADJUSTMENTS  
0

BACK-UP WX SERVICE  
AWOS-3

LOCATION  
KAAA

HRS OPERATION  
24

ALTIMETER SOURCE  
KAAA

DISTANCE  
24.61

SERVICE-A  
Y

ADJUSTMENTS  
57

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
SOURCE: KSPI 597.9, KAAA 597 MSL  
RA = 56.75

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

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

GLIDESLOPE ANGLE  
3.00

ELEV RWY THRESHOLD  
587.8

TCH  
50.0

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE  
3.00

TCH  
50.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

FT FROM CENTERLINE

CRITICAL TEMPERATURES

CRITICAL LOW  
-16C

CRITICAL HIGH  
+54C

ACT  
-16C

APT ISA  
+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.



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**"VISUAL PORTION OF FINAL" PENETRATIONS**

Final Type	LPV, LNAV/VNAV, AND LNAV
34:1	
665 TREE (KSPI0044) 395110.02N/0894144.43W (20.19)	659 TREE (KSPIT0003) 395114.74N/0894138.62W (16.52)
657 TREE (KSPIT0004) 395116.18N/0894136.34W (16.16)	659 TREE (KSPIT0005) 395115.17N/0894135.39W (21.70)
647 TREE (KSPIT0006) 395115.08N/0894133.43W (13.47)	649 TREE (KSPIT0007) 395113.87N/0894133.43W (17.62)
648 TREE (KSPIT0008) 395114.07N/0894134.93W (13.50)	658 TREE (KSPIT0009) 395116.08N/0894140.44W (9.79)
662 TREE (KSPIT0010) 395112.85N/0894144.65W (11.77)	662 TREE (KSPIT0011) 395111.85N/0894143.27W (16.08)
658 TREE (KSPIT0012) 395110.97N/0894142.45W (15.15)	655 TREE (KSPIT0013) 395109.38N/0894141.67W (16.41)
658 TREE (KSPIT0014) 395108.30N/0894141.18W (22.23)	671 TREE (KSPIT0015) 395110.03N/0894144.50W (26.05)
669 TREE (KSPIT0016) 395110.76N/0894147.55W (17.14)	672 TREE (KSPIT0017) 395111.51N/0894149.53W (15.16)
660 TREE (KSPIT0018) 395114.12N/0894144.18W (8.38)	667 TREE (KSPIT0019) 395110.37N/0894148.75W (13.52)
666 TREE (KSPIT0020) 395119.58N/0894142.88W (7.09)	664 TREE (KSPIT0021) 395116.33N/0894145.01W (6.94)

**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.  
USED 100' VEGETATION HEIGHT.  
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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**PART D: AIRSPACE**

**DOCKET #**

**ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE**

<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1000FT POINT</b>	<b>3.02</b>
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1000FT POINT</b>	<b>1.69</b>
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>126.55</b>
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>600</b>
<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1500FT POINT</b>	<b>4.64</b>
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1500FT POINT</b>	<b>2.00</b>
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>126.55</b>
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>600</b>

**THRESHOLD COORDINATES (IF STR-IN)** 395100.49N/0894119.46W

**ARP COORDINATES** 395040.61N/0894039.17W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP** RUNWAY 22 DISTANCE 0.73 NM

**FAF COORDINATES** 395353.68N/0894622.41W

**FIX NAME COORDINATES**

**REMARKS**  
NO ADDITIONAL AIRSPACE REQUIRED



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598

**FACILITY**  
RNAV

**PART E: PREPARED BY**

**NAME**

KAMARUDINI R. RAIMI (DAVID  
TEFFETELLER)

**OFFICE**  
AJV-A433

**DATE**  
08/02/2023

**TITLE**  
AERONAUTICAL INFORMATION SPECIALIST

