

**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 SPI	PROCEDURE NAME RNAV (GPS) RWY 4	ORIGINAL/AMENDMENT ORIG-E	CITY SPRINGFIELD	STATE IL
AIRPORT ELEVATION 598	TDZE 592	SUPERSEDED RNAV (GPS) RWY 4	DATED 08/13/2020	MAG VAR 1W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 28 DECEMBER 2023	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2005
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
AUBUR	IAF	COVAC	NOPT	TF	FB	1.00	335.46	11.67	2700
GINIA	IAF	COVAC	NOPT	TF	FB	1.00	130.77	14.73	2700
COVAC	IF/IAF	ZANRA		TF	FB	1.00	042.51	6.92	2300
ZANRA	FAF	RW04	MAP	TF	FO	0.30	042.57	5.12	
RW04	MAP	854 MSL		CA			042.57		
854 MSL		REYCO		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT REYCO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW COVAC, RT, 042.51 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAF: 042.57 FAF: ZANRA DIST FAF TO MAP: 5.12 DIST FAF TO THLD: 5.12
- MIN ALT: COVAC 2700, ZANRA 2300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 262 HAT: 0.67 GS ANT: MM: IM:
- MIN GP INCPT: 2300 GP ALT AT FAF: ZANRA 2300 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 56.2
- MSA FROM: RW04 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LINCOLN ALTIMETER SETTING.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C/D VISIBILITY TO 1 3/8 SM.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING AND INCREASE LPV DA TO 912 FEET; INCREASE LNAV/VNAV DA TO 989 FEET AND ALL VISIBILITIES TO RVR 3500; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D TO RVR 5500 AND CIRCLING VISIBILITY CAT C/D 1/4 SM.
 CHART NOTE: FOR INOPERATIVE ALS WHEN USING LINCOLN ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 222.73 INBOUND.
 CHART FAS OBST: 796 TOWER (17-003892) 394738N/0894249W.
 CHART VDP AT 1.30 NM TO RW04.
 WAAS CHANNEL # 70309
 REFERENCE PATH ID: W04A
 CHART CIRCLING ICON.
 LTP HAE: 146.5 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.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>			
	<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	854	2400	262	854	2400	262	854	2400	262	854	2400	262				
LNAV/VNAV DA	931	2600	339	931	2600	339	931	2600	339	931	2600	339				
LNAV MDA	1060	2400	468	1060	2400	468	1060	5000	468	1060	5000	468				
CIRCLING	1060	1	462	1100	1	502	1360	2 1/4	762	1380	2 1/2	782				



CHANGES - REASONS

1. INCORPORATED P-NOTAM FOR AMDT ORIG-A, ORIG-B, ORIG-C AND ORIG-D - PER 8260.19I, PARA 8-3-4. C. (2).
2. TERMINAL ROUTES: ADDED ZANRA TO RW04 SEGMENT – PER 8260.19I, PARA 8-6-4. A. (6). A.
3. PROFILE LINE 2: UPDATED FROM “HOLD SW COVAC, RT, 042.51 INBOUND, 2700 FT. IN LIEU OF PT (IAF)” TO “HOLD SW COVAC, RT, 042.51 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000” - PER 8260.19I, PARA 8-6-7. B. (2).
4. PROFILE LINE 5: ADDED 262 HAT: 0.67 NM - MOVED FROM ADDITIONAL FLIGHT DATA.
5. PROFILE LINE 6: ADDED “ZANRA 2300” TO GP ALT AT FAF – PER 8260.19I, PARA 8-6-7. F. (3).
6. PROFILE LINE 7: ADDED 20:1 IS CLEAR - NO 20:1 PENETRATIONS EXIST.
7. 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.
8. CHART NOTE: UPDATED FROM “FOR UNCOMPENSATED BARO-VNAV SYSTEMS LNAV/VNAV NA BELOW -16°C (4°F) AND 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.
9. CHART NOTE: ADDED FOR INOPERATIVE ALS WHEN USING LINCOLN ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500 PER 8260.3E, TABLE 3-3-1.
10. CHART NOTE: UPDATED FROM “FOR INOPERATIVE MALSR INCREASE LPV ALL CATS VISIBILITY TO RVR 5000” TO “FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C/D VISIBILITY TO 1 3/8 SM - PER 8260.19I, PARA 8-6-11. O. (3). D & 8260.3E, TABLE 3-3-1.
11. CHART NOTE: UPDATED FROM “WHEN 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 “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING: INCREASE LPV DA TO 912 FEET; INCREASE LNAV/VNAV DA TO 989 FEET AND ALL VISIBILITIES TO RVR 3500; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D TO RVR 5500 AND CIRCLING VISIBILITY CAT C/D 1/4 SM” - PER 8260.3E, TABLE 3-3-1.
12. ADDITIONAL FLIGHT DATA: UPDATED VDP NOTE FROM 1.3* NM TO 1.30 NM,” DELETED ASTERISK, AND DELETED “*LOC ONLY” – PER 8260.19I, PARA 1-1-5. F. (12).
13. ADDITIONAL FLIGHT DATA: DELETED “CHART: ASR” – NO LONGER REQUIRED PER 8260.19I, PARA 1-1-5. F. (16).
14. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM “796 TOWER 394738N/0894249W” TO “796 TOWER (17-003892) 394738N/0894249W” - PER 8260.19I, PARA 8-6-10. C.
15. ADDITIONAL FLIGHT DATA: DELETED LNAV/VNAV CHART FAS OBSTACLE “663 TREE (KSPI0001) 394936N/0894135W” AND “730 TOWER 394713N/0894458W”- PER 8260.19I, PARA 8-6-10. C.
16. ADDITIONAL FLIGHT DATA: ADDED “LTP HAE: 146.6 M” - PER 8260.19I PARA 8-6-10. J. (3).
17. ADDITIONAL FLIGHT DATA: REMOVED “ROUTE TYPE DESCRIPTION: A, R” - NO LONGER REQUIRED PER ARCHIVED REFERENCE 8260.19H 1-1-5. H. (28).
18. ADDITIONAL FLIGHT DATA: REMOVED “ROUTE TYPE QUALIFIER 1: W, J” - NO LONGER REQUIRED PER ARCHIVED REFERENCE 8260.19H 1-1-5. H. (28).
19. ADDITIONAL FLIGHT DATA: REMOVED “ROUTE TYPE QUALIFIER 2: S” - NO LONGER REQUIRED PER ARCHIVED REFERENCE 8260.19H 1-1-5. H. (28).
20. CHART NOTE: DELETED NOTE “PROCEDURE NA FOR ARRIVAL AT GINIA VIA V50 WESTBOUND” – VICTOR ROUTE REMOVED DUE TO VOR MON.
21. MINIMUMS: DECREASED LNAV/VNAV ALL CATS VISIBILITY FROM 4000 TO 2600 – PER 8260.3E, TABLE 3-3-1.
22. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM BE4B0208 TO 6DA381AC - UPDATED LTP/FTP LATITUDE/LONGITUDE FROM 395012.8400N/0894111.1700W TO 395013.8300N/0894111.1900W, FPAP LATITUDE/LONGITUDE FROM 395111.9300N/0894003.0500W TO 395119.4840N/0893954.3440W, LTP/FTP ELLIPSOIDAL HEIGHT FROM +01464 TO +01465, LENGTH OFFSET FROM 0000 TO 0312.
23. ADDITIONAL PATH POINT RECORD INFORMATION: UPDATED LTP/FPAP ORTHOMETRIC HEIGHT FROM +01790 TO 01791 - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED.

COORDINATED WITH:

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

FLIGHT CHECKED BY

JAMES ONIEAL

OFFICE

FPO

DATE

11/15/2023

Digitally signed by
ROBERT G HAMILTON
Nov 17, 2023

DEVELOPED BY

DAVID TEFFETELLER (KAMARUDINI R. RAIMI)

OFFICE

AJV-A433

DATE

08/25/2023

Digitally signed by
ROBERT G HAMILTON
Nov 17, 2023

APPROVED BY

DAVID TEFFETELLER

OFFICE

AJV-A433

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	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	395012.8300N
LTP/FTP LONGITUDE	0894111.1900W
LTP/FTP ELLIPSOIDAL HEIGHT	+01465
FPAP LATITUDE	395119.4840N
FPAP LONGITUDE	0893954.3440W
THRESHOLD CROSSING HEIGHT (TCH)	00056.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 6DA381AC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01791
FPAP ORTHOMETRIC HEIGHT	+01791

