

**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 1H2	PROCEDURE NAME RNAV (GPS) RWY 1	ORIGINAL/AMENDMENT 1	CITY EFFINGHAM	STATE IL
AIRPORT ELEVATION 585	TDZE 580	SUPERSEDED RNAV (GPS) RWY 1	DATED 07/14/2022	MAG VAR 1W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE 5/14/2026	EPOCH YEAR 1995
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SNWCH	IAF	DUFFS	NOPT	TF	FB	1.00	278.59	7.00	2200
SNIKR	IAF	DUFFS	NOPT	TF	FB	1.00	098.40	7.00	2200
CRATS	IAF	DUFFS	NOPT	TF	FB	1.00	020.50	19.73	2200
DUFFS	IF/IAF	TIDVE		TF	FB	1.00	008.50	6.94	2200
TIDVE	FAF	RW01	MAP	TF	FO	0.30	008.52	3.97	
RW01	MAP	985 MSL		CA			008.52		
985 MSL		DUFFS		DF	FO	1.00			2200

MISSED APPROACH

MAP:

LNAV: RW01

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 2200 DIRECT DUFFS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S DUFFS, RT, 008.50 INBOUND, 2200 IN LIEU OF PT (IAF), MAX 6000.
- FAC: 008.52 FAF: TIDVE DIST FAF TO MAP: 3.97 DIST FAF TO THLD: 3.97
- MIN ALT: DUFFS 2200, TIDVE 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: MM: IM:
- MIN GP INCPT: GP ALT AT FAF:
- GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:
- MSA FROM: RW01 2500



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: STRAIGHT-IN RWY 1 NA AT NIGHT, CIRCLING RWY 1, 19 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

TIDVE TO RW01: 3.77/40
 CHART RED HILL MOA
 FAS OBST: 748 AAO 390048N/0883330W.
 CHART 812 TOWER (17-002600) 390010N/0883419W.

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 900-2 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
LNAV MDA	1020	1	440	1020	1	440	1020	1 1/8	440		NA				
CIRCLING	1020	1	435	1140	1	555	1440	2 1/2	855		NA				

CHANGES - REASONS

1. TERMINAL ROUTES: SEGMENT MUJRI TO NOFSU; IAF CHANGED FROM MUJRI TO SNWCH, AND IF FROM NOFSU TO DUFFS - ATC REQUEST/IAW 8260.58.
2. TERMINAL ROUTES: SEGMENT COHKU TO NOFSU; IAF CHANGED FROM COHKU TO SNIKR, AND IF FROM NOFSU TO DUFFS - ATC REQUEST/IAW 8260.58.
3. TERMINAL ROUTES: SEGMENT CRATS TO NOFSU; IF CHANGED FROM NOFSU TO DUFFS - ATC REQUEST/IAW 8260.58.
4. TERMINAL ROUTES: SEGMENT NOFSU TO TIVDE; IF CHANGED FROM NOFSU TO DUFFS - ATC REQUEST/IAW 8260.58.
5. TERMINAL ROUTES: SEGMENT 935 MSL TO NOFSU; CLEARANCE LIMIT CHANGED FROM NOFSU TO DUFFS - ATC REQUEST/IAW 8260.58.
6. MISSED APPROACH: CHANGED CLEARANCE LIMIT FROM NOFSU TO DUFFS - ATC REQUEST/IAW 8260.58.
7. PROFILE LINE 2/PROFILE 4: CHANGED FROM NOFSU TO DUFFS - ATC REQUEST/IAW 8260.58.
8. NOTES: BACK UP ALTIMETER NOTE CHANGED FROM "... USE USE OLNEY-NOBLE ALTIMETER SETTING..." TO "... USE OLY ALTIMETER SETTING" - MOVED TO PART C: GENERAL REMARKS ON 8260-9 - IAW 8260.19K.
9. NOTES: REMOVED "PROCEDURE NA FOR ARRIVALS AT CRATS ON V52 SOUTHWEST BOUND" - ALL TURNS FROM CRATS MEET CRITERIA.
10. ADDITIONAL FLIGHT DATA: ADDED CHART RED HILL MOA - ATC REQUEST.
11. ADDITIONAL FLIGHT DATA: CHANGED FAS OBSTACLE FROM 761 AAO 390028N/0883255W" TO 748 AAO 390048N/0883330W - NEW CONTROLLING OBSTACLE.
12. ADDITIONAL FLIGHT DATA: ADDED "CHART 812 TOWER (17-002600) 390010N/0883419W - NEW SIGNIFICANT 7:1 OBSTACLE ON FINAL.
13. ADDITIONAL FLIGHT DATA: CHANGED VDA FROM "TIVDE TO RW01: 3.04/50" TO "TIVDE TO RW01: 3.77/40" - NEW GPA/TCH DUE TO THLD MOVE/MITIGATE OBSTACLES.
14. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - NO LONGER REQUIRED.



AIRPORT ID
1H2

PROCEDURE NAME
RNAV (GPS) RWY 1

ORIGINAL/AMENDMENT
1

CITY
EFFINGHAM

STATE
IL

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZKC,ZID, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

ALLAN WILL

Feb 13, 2026

OFFICE

DATE

DEVELOPED BY

ALLAN WILL (RODNEY SMITH)

Digitally signed by

ALLAN WILL

Feb 13, 2026

OFFICE

AJV-A4

DATE

11/05/2025

APPROVED BY

KYLE THOMPSON

Digitally signed by

ALLAN WILL

Feb 13, 2026

OFFICE

AJV-A4

DATE

TITLE

MANAGER



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

<u>AIRPORT ID</u> 1H2	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 1	<u>AMDT NO.</u> 1	<u>CITY</u> EFFINGHAM	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 585	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL
FROM SNWCH **TO** DUFFS

RNP 1.00 DISTANCE 7.00 PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-027055)	385220.50N/0883606.00W	830	20	3	1A	1000				AT370	2200
TERRAIN	385500.00N/0882951.00W	538 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL
FROM SNIKR **TO** DUFFS

RNP 1.00 DISTANCE 7.00 PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-002914)	385342.42N/0884315.85W	940	500	50	5D	1000				AT260	2200
TERRAIN	385533.00N/0884024.00W	600 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:



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1

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AIRPORT ELEVATION
585

FACILITY
RNAV

INITIAL

FROM
CRATS

TO
DUFFS

RNP
1.00

DISTANCE
19.73

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-001106)	384653.35N/0883509.46W	925	20	3	1A	1000				AT275	2200
TERRAIN	383536.00N/0883900.00W	603 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
DUFFS (IF/IAF)

TO
TIDVE

RNP
1.00

DISTANCE
6.94

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-027055)	385220.50N/0883606.00W	830	20	3	1A	500				AT870	2200
TERRAIN	385642.00N/0883727.00W	567 (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
1H2

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RNAV (GPS) RWY 1

AMDT NO.
1

CITY
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STATE
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AIRPORT ELEVATION
585

FACILITY
RNAV

FINAL: LNAV

FROM
TIDVE

TO
RW01

RNP
0.30

DISTANCE
3.97

PAT

MAP
RW01

HAT
440

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	390048.00N/0883330.00W	748	215	8	4B	250				XP20	1020

COMPUTATIONS

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

SEGMENT REMARKS:

XP TO MAINTAIN CURRENT MINIMUMS

HOLD-IN-LIEU OF PT

FROM
DUFFS

TO
P-5

RNP

DISTANCE

PAT
P-5

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-001106)	384653.35N/0883509.46W	925	20	3	1A	1000				AT200	2200
TERRAIN	385336.00N/0883845.00W	557 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:



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1H2

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AMDT NO.
1

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STATE
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AIRPORT ELEVATION
585

FACILITY
RNAV

MISSED APPROACH: LNAV

FROM
RW01 **TO**
DUFFS

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
920

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2200
ANTENNA (17-090305)	390615.09N/0883309.62W	928	20	10	1B	1000				SA-37	1900
TERRAIN	390615.00N/0883139.00W	629 (600)								AS1500	2100

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

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (17-000939)	390244.55N/0883234.33W	1.30	435	715	20	3	1A	300			1020
CATEGORY B											
ELEVATOR (17-090379)	390555.65N/0883319.60W	1.83	555	778	20	10	1B	300		XP60	1140
CATEGORY C											
ANTENNA (17-090708)	390626.88N/0883343.67W	2.87	855	1096	20	10	1B	300		XP40	1440

CIRCLING REMARKS:

XP TO MAINTAIN CURRENT MINIMUMS. .

MSA

CENTER **RADIUS**
RW01 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (17-000499)	385019.00N/0880747.00W	126	23.3	1450	250	50	4D	1000			2500

MSA REMARKS:



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FACILITY
RNAV

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

ASSUMED VEGETATION 100 FEET.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZKC ARTCC, STL FSS

WX SERVICE
AWOS-3PT

LOCATION
1H2

HRS OPERATION
24

ALTIMETER SOURCE
1H2

DISTANCE

WMSCR
Y

ADJUSTMENTS
0

BACK-UP WX SERVICE
AWOS-3

LOCATION
OLY

HRS OPERATION
24

ALTIMETER SOURCE
OLY

DISTANCE
26.77

WMSCR
Y

ADJUSTMENTS
76

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
K1H2 585, KOLY 482
RA = 76.0.

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW19 - MIRL (PCL), PVASI-PSIL (PCL)	BSC-F	
RW01 - MIRL (PCL), PVASI-PSIL (PCL)	NPI-F	
RW11 - MIRL (PCL), REIL (PCL)	NPI-F	
RW29 - REIL (PCL), MIRL (PCL)	NPI-F	

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
4.00

TCH
40.3

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

FT FROM CENTERLINE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 1
20:1	
655 TREE (17-042822) 390340.3300N/0883213.3300W (16.79)	647 TREE (17-038493) 390339.7900N/0883209.9800W (7.81)
643 TREE (17-045005) 390339.6900N/0883207.6600W (4.51)	647 TREE (17-043498) 390339.3600N/0883212.9300W (4.13)



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641 TREE (17-038490) 390340.2200N/0883211.5400W (3.16)	638 TREE (17-045004) 390339.4800N/0883204.6500W (0.01)
FINAL TYPE	CIRCLING RWY 19
20:1	
639 TREE (17-090725) 390436.41N/0883158.91W (26.18)	624 TREE (17-042855) 390436.20N/0883159.18W (12.37)
628 TREE (17-038577) 390438.58N/0883200.82W (5.29)	622 TREE (17-044359) 390437.60N/0883200.92W (4.25)
598 TREE (17-042208) 390432.96N/0883158.79W (2.42)	595 TRAVERSE_WAY (17-045035) 390432.92N/0883201.85W (1.21)
FINAL TYPE	LNAV
20:1	
655 TREE (17-042822) 390340.33N/0883213.33W (16.79)	647 TREE (17-038493) 390339.79N/0883209.98W (7.81)
643 TREE (17-045005) 390339.69N/0883207.66W (4.51)	647 TREE (17-043498) 390339.36N/0883212.93W (4.13)
641 TREE (17-038490) 390340.22N/0883211.54W (3.16)	638 TREE (17-045004) 390339.48N/0883204.65W (0.1)
FINAL TYPE	LNAV
34:1	
645 TREE (17-045009) 390338.6500N/0883210.4700W (30.01)	642 TREE (17-044057) 390338.2100N/0883211.6700W (25.35)
640 TREE (17-057682) 390338.0500N/0883213.7100W (22.26)	629 TREE (17-041587) 390340.1200N/0883206.3800W (19.59)
625 TREE (17-043496) 390340.4300N/0883205.0000W (16.92)	597 TREE (17-038255) 390347.6000N/0883205.6100W (9.89)
PENETRATIONS REMARKS:	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

APPROVAL LETTER: IAW 8260.3G, 2-6-2: VDA BELOW VGSI, VDA EXCEEDS VGSI BY MORE THAN 0.20. VGSI 4.03, VDA 3.77.

TAA NOT DEVELOPED PER ATC.

HISTORICAL TEMP DATA NOT AVAILABLE, STANDARD -30 USED.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OLY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE LNAV VISIBILITY CAT C 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.

ORDER 8260.3 CHAPTER 2 APPLIED TO 812 TOWER (17-002600) 390010.00N/0883419.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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FACILITY
RNAV

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	2.47
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	007.52
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	3.77
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	007.52
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD COORDINATES (IF STR-IN)	390354.80N/0883206.08W
ARP COORDINATES	390412.64N/0883157.17W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 29 DISTANCE 0.53 NM
FAF COORDINATES	385958.70N/0883246.05W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
ALLAN WILL (RODNEY SMITH)	AJV-A4	11/05/2025	AERONAUTICAL INFORMATION SPECIALIST

