

**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> Y63	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ELBOW LAKE	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1206	<u>TDZE</u> 1206	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 08/11/2022
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 4 SEPTEMBER 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 2E
				<u>EPOCH YEAR</u> 2015
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 048/30 CW 228/30	NOPT	HUFFY	IF/IAF	3300
2. 228/30 CW 048/30		HUFFY	IF/IAF	3300

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
HUFFY	IF/IAF	GOBLR		TF	FB	1.00	138.38	6.00	2800
GOBLR	FAF	JORNI/2.40 NM TO RW14		TF	FB	0.30	138.44	2.49	
JORNI/2.40 NM TO RW14		RW14	MAP	TF	FO	0.30	138.44	2.40	
RW14	MAP	1456 MSL		CA			138.44		
1456 MSL		TOWED		DF	FO	1.00			3300

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3300 DIRECT TOWED AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD NW HUFFY, RT, 138.38 INBOUND, 3300 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	138.44	FAF:	GOBLR	DIST FAF TO MAP:	4.89	DIST FAF TO THLD:	4.89							
4.	MIN ALT:	HUFFY 3300, GOBLR 2800, JORNI/2.40 NM TO RW14 2000													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		250 HAT:	0.67	GS ANT:				
6.	MIN GP INCPT:	2800	GP ALT AT PFAF:	GOBLR 2800					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	40.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA NE OF RWY 14-32.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: CIRCLING NA TO RWYS 11W AND 29W.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FFM ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FFM ALTIMETER SETTING AND INCREASE LPV DA TO 1506 FEET; INCREASE LNAV/VNAV DA TO 1607 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 60 FEET.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 318.62 INBOUND.
CHART FAS OBST: 1338 WINDMILL (27-025394) 455954N/0955921W.
CHART VDP AT 1.17 NM TO RW14.
WAAS CHANNEL # 49231
REFERENCE PATH ID: W14A
LTP HAE: 340.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	1456	1	250	1456	1	250		NA			NA				
LNAV/VNAV DA	1557	1	351	1557	1	351		NA			NA				
LNAV MDA	1600	1	394	1600	1	394		NA			NA				
CIRCLING	1600	1	394	1680	1	474		NA			NA				



CHANGES - REASONS

1. TERMINAL ROUTES AND PROFILE LINE 3: FAC CHANGED FROM "138.45" TO " 138.44" - FAC UPDATED.
2. TERMINAL ROUTES: HUFFY TO BOGBR RNP UPDATED FROM "0.50" TO "1.00" - IAW 8260.58C PARA 3-1-4.
3. TERMINAL ROUTES: CA LEG ALTITUDE UPDATED FROM "1453" TO "1456" - LPV DA 1456.
4. PROFILE LINE 4: REMOVED ASTERISK FROM "JORNI/2.40 NM TO RW14 2000" - NO LONGER REQUIRED BY CRITERIA.
5. PROFILE LINE 5: ADDED "250 HAT: 0.67" - IAW 8260/19J 8-6-7 E (3).
6. PROFILE LINE 7: UPDATED FROM "34:1: IS NOT CLEAR" TO "34:1: IS CLEAR AND 20:1: IS CLEAR" - NO PENETRATIONS.
7. NOTES: REMOVED "CHART NOTE: PROCEDURE NA AT NIGHT" - NO 20:1 PENETRATIONS.
8. NOTES: UPDATED NOTES FROM "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT" TO "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19J PARA 8-6-10 M (1).
9. NOTES: UPDATED FROM "CHART NOTE: BARO-VNAV NA WHEN USING FERGUS FALLS ALTIMETER SETTING" TO "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FFM ALTIMETER SETTING." - IAW 8260.19J PARA 8-6-10 E (8).
10. NOTES: REMOVED "CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - NO PENETRATIONS.
11. NOTES: UPDATED FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FERGUS FALLS ALTIMETER SETTING: INCREASE LPV DA TO 1504 FEET; INCREASE LNAV/VNAV DA TO 1605 FEET AND VISIBILITY ALL CATS 1 3/8 MILE; INCREASE ALL MDAS 60 FEET" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FFM ALTIMETER SETTING AND INCREASE LPV DA TO 1506 FEET; INCREASE LNAV/VNAV DA TO 1607 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 60 FEET" - IAW 8260.19J, PARA 8-6-11 O (3).
12. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM " 1338 WINDMILL 455954N/0955921W" TO "1338 WINDMILL (27-025394) 455954N/0955921W".
13. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.17 NM TO RW14" - NO 20:1 OBSTACLES.
14. ALTERNATE MINIMUMS: UPDATED FROM "NA" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - IAW 8260.19J PARA 8-6-12 B.
15. MINIMUMS: LNAV/VNAV ALL CATS VIS UPDATED FROM "1 1/8" TO "1" - IAW 8260.3F TABLE 3-3-1.
16. CRC REMAINDER UPDATED FROM "DA46C098" TO "3D28DB63" - LTP UPDATED FROM "455918.3485N/0955945.9875W" TO "455918.3490N/0955945.9865W", ELLIPSOIDAL HEIGHT UPDATED FROM "+03404" TO "+03403", AND FPAP UPDATED FROM "455809.6100N/0955824.7400W" TO "455809.6115N/0955824.7275W".

COORDINATED WITH:

A4A

ALPA

☒

AOPA

☒

APA

HAI

NBAA

☒

OTHER: ZMP, AMGR

FLIGHT CHECKED BY

SHAWN D MAXWELL

Digitally signed by
ROBERT G HAMILTON
Jul 03, 2025

OFFICE

AJF

DATE

07/01/2025

DEVELOPED BY

DANIEL WESTON

Digitally signed by
DANIEL L WESTON
Apr 03, 2025

OFFICE

AJV-A422

DATE

02/14/2025

APPROVED BY

RAKE MCGRAW

Digitally signed by
ROBERT G HAMILTON
Jul 03, 2025

OFFICE

AJV-A422

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	Y63
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	455918.3490N
LTP/FTP LONGITUDE	0955945.9865W
LTP/FTP ELLIPSOIDAL HEIGHT	+03403
FPAP LATITUDE	455809.6115N
FPAP LONGITUDE	0955824.7275W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3D28DB63

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03668
FPAP ORTHOMETRIC HEIGHT	+03668

