

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SUPERSEDED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

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

OFFICE

DATE

DEVELOPED BY

DANIEL WESTON

Digitally signed by

DANIEL L WESTON

Apr 03, 2025

OFFICE

AJV-A422

DATE

02/14/2025

APPROVED BY

RAKE MCGRAW

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



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
Y63	RNAV (GPS) RWY 14	1	ELBOW LAKE	MN	1206	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 048/30 CW 228/30 **TO** HUFFY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<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 (27-001703)	462848.00N/0960146.00W	2035	250	50	4D	1000				AT265	3300
TERRAIN	462857.00N/0955818.00W	1663 (1700)								AS1500	3200

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 228/30 CW 048/30 **TO** HUFFY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<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>
AAO	461154.00N/0953006.00W	1998	215	8	4B	1000					3000
TERRAIN	461154.00N/0953006.00W	1797 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

HUFFY (IF/IAF)

TO

GOBLR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	6.00										
<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>
AAO	460345.00N/0960303.00W	1372	215	8	4B	500				AT918	2800
TERRAIN	460439.00N/0960457.00W	1167 (1200)								AS1500	2700

COMPUTATIONS

ALT

CIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

GOBLR

TO

RW14

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.89		DA		250						
<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>
TREE (27-032896)	455923.28N/0955958.03W	1232	20	3	1A		34.00:1				1456

COMPUTATIONS

ALT

CIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

GOBLR

TO

RW14

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.89		DA		351						
<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>
WINDMILL (27-025394)	455954.01N/0955921.00W	1338	50	20	2C	142				AC20 XP57	1557

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MAINTAIN PUBLISHED MINIMUMS AT MANAGEMENT REQUEST

FINAL: LNAV

FROM

GOBLR

TO

JORNI/2.40 NM TO RW14

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.49										
<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>
AAO	460215.00N/0960209.00W	1378	215	8	4B	250				RA60 DG312	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

JORNI/2.40 NM TO RW14

TO

RW14

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.40		RW14		394						
<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>
WINDMILL (27-025394)	455954.01N/0955921.00W	1338	50	20	2C	250				SA-1	1600

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

HUFFY

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
		P-5									
<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>
AAO	460733.00N/0960445.00W	1375	215	8	4B	1000				AT925	3300
TERRAIN	460733.00N/0960445.00W	1174 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LPV

FROM

DA

TO

TOWED

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30							1268				
<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>
							ASC				3300
TOWER (27-002890)	455556.50N/0955653.70W	1703	250	50	4D	1000					2800
TERRAIN	455424.00N/0955018.00W	1279 (1300)								AS1500	2800

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

TOWED

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30							1415				
<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>
							ASC				3300
TOWER (27-002890)	455556.50N/0955653.70W	1703	250	50	4D	1000					2800
TERRAIN	455424.00N/0955018.00W	1279 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW14

TO

TOWED

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00										1500	
<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>
							ASC				3300
TOWER (27-002890)	455556.50N/0955653.70W	1703	250	50	4D	1000					2800
TERRAIN	455424.00N/0955018.00W	1279 (1300)								AS1500	2800

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											
TREE (27-067947)	455930.05N/0960059.13W	1.31	394	1287	20	3	1A	300			1600
CATEGORY B											
ANTENNA (27-037156)	455743.78N/0960107.55W	1.85	474	1373	50	20	2C	300			1680

CIRCLING REMARKS:

CIRCLING RESTRICTED NE OF AIRPORT DUE TO OBSTRUCTIONS

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZMP ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	Y63	24	Y63	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	FFM	24	FFM	19.27	Y	50

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
Y63 1206, FFM 1170
RA = 49.1.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW29W			
RW11W			
RW14 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW32 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1203.4	40.0			3.00	24.2

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
-17C	+54C	-17C	+12.61C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 721 HIGH TEMP 1142.

"VISUAL PORTION OF FINAL" PENETRATIONS



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.
100' VEGETATION APPLIED PER FPT.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	3.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	140.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1200
DISTANCE FROM	THLD	TO 1500FT POINT	4.69
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	140.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1200

THRESHOLD COORDINATES (IF STR-IN) 455918.35N/0955945.99W
ARP COORDINATES 455910.20N/0955908.70W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 29 DISTANCE 0.53 NM
FAF COORDINATES 460304.48N/0960413.84W
FIX NAME COORDINATES

REMARKS

IF/IAF HUFFY 460741.95N 0960943.56W 30 NM RADIUS

PART E: PREPARED BY

NAME

DANIEL WESTON

OFFICE

AJV-A422

DATE

02/14/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

