

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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>		
FFM	ILS OR LOC RWY 31	2C	FERGUS FALLS	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SUPERSEDED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>
1182	1182	ILS OR LOC RWY 31	2B	02/23/2023	5E	1995
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-FFM			ROUTINE			

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>
PANIC INT/FFM 11.65 DME		FFM VOR/DME					153.01	11.65	3000
FFM VOR/DME		HAMRE LOM/FFM 5.87 DME					129.76	5.87	3000
AXN VOR/DME	IAF	ONVUE INT/AXN 28.26 DME	NOPT				281.00	28.26	3100
ONVUE INT/AXN 28.26 DME	IF	HAMRE LOM/FFM 5.87 DME					308.22 (I-FFM)	10.35	2900

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.10 NM AFTER HAMRE LOM/FFM 5.87 DME OR AT FFM 0.78 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 THEN RIGHT TURN DIRECT HAMRE LOM/FFM 5.87 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** R **SIDE OF COURSE** 128.22 **OUTBOUND** 3000 **FT WITHIN** 10 **MILES OF** HAMRE LOM/FFM 5.87 DME (IAF)
-
- FAC:** 308.22 **FAF:** HAMRE LOM/FFM 5.87 DME **DIST FAF TO MAP:** 5.10 **DIST FAF TO THLD:** 5.10
- MIN ALT:** HAMRE LOM/FFM 5.87 DME 2900
- DIST TO THLD FROM OM:** **MM:** 0.41 **IM:** **150 HAT:** **GS ANT:** 991
- MIN GS INCPT:** 2900 **GS ALT AT PFAF:** **OM:** 2852 **MM:** 1359 **IM:**
- GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 52.2
- MSA FROM:** HAMRE LOM 065-335 3000, 335-065 3600



AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
FFM	ILS OR LOC RWY 31	2C	FERGUS FALLS	MN

EQUIPMENT REQUIREMENTS NOTES:

ADF REQUIRED.

NOTES:

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1460.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AXN VOR/DME AIRWAY RADIALS 299 CW 314.
CHART NOTE: VDP NA WHEN USING Y63 ALTIMETER SETTING.
CHART NOTE: DME FROM FFM VOR/DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-FFM AND FFM DME.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE Y63 ALTIMETER SETTING: INCREASE S-ILS 31 DA TO 1428 FEET; INCREASE ALL MDAS 60 FEET AND S-LOC 31 VISIBILITY CAT C/D 1/8 SM AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 308.22 INBOUND.
CHART FAS OBST: 1251 TREE (27-028023) 461609N/0960801W.
CHART VDP AT 1.69 DME.
DISTANCE VDP TO THLD 0.92 NM.

MINIMUMS:

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

ALTERNATE: NA ☒

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
S-ILS 31	1382	1/2	200	1382	1/2	200	1382	1/2	200	1382	1/2	200			
S-LOC 31	1520	1/2	338	1520	1/2	338	1520	1/2	338	1520	1/2	338			
CIRCLING	1640	1	458	1740	1	558	1820	1 3/4	638	1940	2 1/2	758			



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
FFM	ILS OR LOC RWY 31	2C	FERGUS FALLS	MN

CHANGES - REASONS

1. INCORPORATED P-NOTAMS 2/8372 AND 1/4359.
2. AIRPORT ELEVATION: UPDATED FROM "1183" TO "1182" – NEW AIRPORT SURVEY.
3. TERMINAL ROUTES: CHANGED FROM "PANIC INT" TO "PANIC INT/FFM 11.65 DME" – IAW 8260.19K 8-6-4.
4. TERMINAL ROUTES: CHANGED FFM VOR/DME TO HAMRE LOM/FFM 5.87 DME COURSE FROM "130.28" TO "129.76" - OPTIMAL COURSE.
5. MISSED APPROACH: CHANGED MAP LOC FROM "5.10 MILES AFTER HAMRE LOM/FERGUS FALLS 5.87 DME OR AT FFM 0.78 DME FIX" TO "5.10 NM AFTER HAMRE LOM/FFM 5.87 DME OR AT FFM 0.78 DME" – IAW 8260.19K 8-6-6 C(1).
6. PROFILE LINE 1: CHANGED FROM "HARME LOM" TO "HAMRE LOM/FFM 5.87 DME (IAF)" – IAW 8260.19K 8-6-7 A(1).
7. PROFILE LINE 4: MIN ALT CHANGED FROM "HAMRE LOM 2900" TO "HAMRE LOM/FFM 5.87 DME 2900" – IAW 8260.19K 8-6-7 D.
8. PROFILE LINE 5: GS ANT CHANGED FROM "989" TO "991" AND REMOVED DIST TO THLD FROM OM – IAW 8260.19K 8-6-7 E AND NEW AIRPORT SURVEY.
9. PROFILE LINE 6: GS ALT AT PFAF REMOVED – IAW 8260.19K 8-6-7 F(1).
10. PROFILE LINE 8: MSA FROM CHANGED FROM "FF LOM 065-335 3000, 335-065 3600" TO "HAMRE LOM 065-335 3000, 335-065 3600" – IAW 8260.19K H(1).
11. EQUIPMENT REQUIREMENTS NOTES: CHANGED FROM "ADF OR DME REQUIRED" TO "ADF REQUIRED" - DME REMOVED AS ADF IS REQUIRED FOR MISSED APPROACH.
12. NOTES: CHART NOTE CHANGED FROM "GS UNUSABLE FOR COUPLED APPROACHED BELOW 1400" TO "AUTOPILOT COUPLED APPROACH NA BELOW 1460" – CANCELS NOTAM 6/0950.
13. NOTES: CHART PLANVIEW NOTE CHANGED FROM "PROCEDURE NA FOR ARRIVALS AT AXN VOR/DME VIA V171-510 SOUTHEAST BOUND" TO "PROCEDURE NA FOR ARRIVAL ON AXN VOR/DME AIRWAY RADIALS 299 CW 314" – IAW 8260.19K 8-2-5 E(2).
14. NOTES: CHART NOTE CHANGED FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELBOWLAKE ALTIMETER SETTING AND INCREASE DA TO 1428 AND ALL MDAS 60 FEET; INCREASE S-LOC CAT C/D VISIBILITY 1/8 SM AND CIRCLING CAT C/D VISIBILITY 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE Y63 ALTIMETER SETTING: INCREASE S-ILS 31 DA TO 1428 FEET; INCREASE ALL MDAS 60 FEET AND S-LOC 31 VISIBILITY CAT C/D 1/8 SM AND CIRCLING VISIBILITY CAT C/D 1/4 SM" – IAW 8260.19K 8-6-12 N(1)(A)3.
15. NOTES: ADDED "CHART NOTE: VDP NA WHEN USING Y63 ALTIMETER SETTING" – IAW 8260.19K 8-6-10 E(9).
16. NOTES: REMOVED "FOR INOPERATIVE MALSR, INCREASE S-LOC 31 CAT D VISIBILITY 1/4 MILE" - INOPERATIVE TABLE APPLIES.
17. NOTES: ADDED CHART NOTE: DME FROM FFM VORTAC. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-FFM AND FFM DME – IAW 8260.19K 8-6-10K.
18. ADDITIONAL FLIGHT DATA: CHART FAS OBST CHANGED FROM "1251 TREE 461609N/0960801W" TO "1251 TREE (27-028023) 461609N/0960801W" – IAW 8260.19K 8-6-11 C.
19. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.69 DME" AND "DISTANCE VDP TO THLD 0.92 NM" – IAW 8260.19K 8-6-11 M(1).
20. MINIMUMS: CHANGED S-LOC 31 VISIBILITY CAT D FROM "3/4" TO "1/2" – IAW 8260.3G 3-3-2 TABLE 3-3-1.
21. MINIMUMS: CHANGED CIRCLING HAA CAT A FROM "457" TO "458", CAT B FROM "557" TO "558", CAT C FROM "637" TO "638" AND CAT D FROM "757" TO "758" – NEW AIRPORT SURVEY.
22. MINIMUMS: CIRCLING CAT C VISIBILITY CHANGED FROM "1 1/2" TO "1 3/4" AND CAT D CHANGED FROM "2 1/4" TO "2 1/2" - NEW VISIBILITY TABLES.

09/17/2026: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 06/08/26.

1. NOTES: CHANGED FROM VORTAC TO VOR/DME IN SIMULTANEOUS RECEPTION NOTE. - ENTERED IN ERROR.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, AMGR

Digitally signed by

FLIGHT CHECKED BY
JAMES DAVID ARNOLD
APRIL T SARMENTO
Sep 18, 2026

OFFICE
FIOG
DATE
06/04/2026

DEVELOPED BY
RAKE MCGRAW (EMMANUEL R. GONZALES)

Digitally signed by
APRIL T SARMENTO
Sep 18, 2026

OFFICE
AJV-A431
DATE
11/18/2025

APPROVED BY
RAKE MCGRAW

Digitally signed by
APRIL T SARMENTO
Sep 18, 2026

OFFICE
AJV-A422
DATE
09/24/2026

TITLE
MANAGER



**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>
FFM	ILS OR LOC RWY 31	2C	FERGUS FALLS	MN	1182	I-FFM

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM PANIC INT/FFM 11.65 DME **TO** FFM VOR/DME

<u>RNP</u>	<u>DISTANCE</u> 11.65	<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 (27-000819)	462808.99N/0961157.46W	1964	250	50	4D	1000					3000
TERRAIN	462612.00N/0961315.00W	1414 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM FFM VOR/DME **TO** HAMRE LOM/FFM 5.87 DME

<u>RNP</u>	<u>DISTANCE</u> 5.87	<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 (27-000482)	461730.89N/0960219.33W	1629	50	20	2C	1000				AT371	3000
TERRAIN	461530.00N/0960103.00W	1371 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM

AXN VOR/DME

TO

ONVUE INT/AXN 28.26 DME

<u>RNP</u>	<u>DISTANCE</u> 28.26	<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 (27-001809)	460634.00N/0955114.00W	1845	250	50	4D	1000					2900
TERRAIN	460633.00N/0953557.00W	1643 (1600)								AS1500	3100

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

ONVUE INT/AXN 28.26 DME

TO

HAMRE LOM/FFM 5.87 DME

<u>RNP</u>	<u>DISTANCE</u> 10.35	<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 (27-001809)	460634.00N/0955114.00W	1845	250	50	4D	500					2400
TERRAIN	461118.00N/0955539.00W	1410 (1400)								AS1500	2900

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: ILS PT

FROM

10 NM

TO

GP INTCP

<u>RNP</u>	<u>DISTANCE</u> 10.00	<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 (27-001198)	460934.00N/0955115.00W	1841	500	50	5D	500					2400
TERRAIN	461118.00N/0955539.00W	1410 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: LOC PT

FROM

10 NM

TO

HAMRE LOM/FFM 5.87 DME

<u>RNP</u>	<u>DISTANCE</u> 10.00	<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 (27-001198)	460934.00N/0955115.00W	1841	500	50	5D	500					2400
TERRAIN	461118.00N/0955539.00W	1410 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS

FROM

GP INTCP

TO

RW31

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.10		DA				200				
<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				1382

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

HAMRE LOM/FFM 5.87 DME

TO

5.10 NM AFTER HAMRE LOM/FFM 5.87 DME OR AT FFM 0.78 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.10		5.10 NM AFTER HAMRE LOM/FFM 5.87 DME OR AT FFM 0.78 DME				338				
<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 (27-028023)	461609.41N/0960801.07W	1251	20	2	1A	250					1520

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM

HAMRE LOM/FFM 5.87 DME

TO

10 NM

<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 (27-000825)	461444.00N/0955847.00W	1867	500	50	5D	1000					2900
TERRAIN	460815.00N/0954436.00W	1453 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM

DA

TO

HAMRE LOM/FFM 5.87 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1213			
<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				3000
TOWER (27-001128)	461737.00N/0955448.00W	1791	500	50	5D	1000				AT209	3000
TERRAIN	461830.00N/0955603.00W	1437 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LOC

FROM

5.10 NM AFTER HAMRE LOM/FFM 5.87 DME OR AT FFM 0.78 DME

TO

HAMRE LOM/FFM 5.87 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1270			
<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				3000
TOWER (27-001128)	461737.00N/0955448.00W	1791	500	50	5D	1000				AT209	3000
TERRAIN	461830.00N/0955603.00W	1437 (1400)								AS1500	2900

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 (27-002498)	461739.33N/0960735.38W	1.31	458	1339	50	20	2C	300			1640
CATEGORY B											
TREE	461701.68N/0960625.74W	1.85	558	1440	50	20	2C	300			1740
CATEGORY C											
TRANSMISSION_LINE (27-026280)	461835.14N/0960718.93W	2.91	638	1453	500	50	5D	300		AC50	1820
CATEGORY D											
TOWER (27-000571)	461910.00N/0960536.00W	3.80	758	1637	50	20	2C	300			1940

CIRCLING REMARKS:

MSA

CENTER

HAMRE LOM

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
065-335	AAO	461154.00N/0953006.00W	088	23.2	1998	215	8	4B	1000			3000
335-065	TOWER (27-001050)	464029.00N/0961341.00W	341	28.2	2556	500	50	5D	1000			3600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZMP ARTCC, PNM FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	FFM	24	FFM		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	Y63	24	Y63	18.97	Y	46

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KFFM 1182, KY63 1198
RA = 45.8.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-FFM		24	3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW17 - MIRL (PCL)	NPI-F	
RW35 - REIL (PCL), MIRL (PCL)	NPI-F	
RW13 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-F	
RW31 - MALSR (PCL), MIRL (PCL), PAPI-4L (PCL)	PIR-F	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1175.6	52.2	1167.1	991	3.00	52.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

ON CENTERLINE

FT FROM THRESHOLD

FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES



CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"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 FT VEGETATION 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	3.37
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	313.22
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	THLD	TO 1500FT POINT	4.94
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.29
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	313.22
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD COORDINATES (IF STR-IN) 461643.33N/0960845.64W
ARP COORDINATES 461703.82N/0960924.08W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 31 DISTANCE 0.56 NM
FAF COORDINATES 461313.70N/0960324.45W
FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

RAKE MCGRAW (EMMANUEL R. GONZALES)

OFFICE

AJV-A431

DATE

11/18/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

