

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>		
MFI	RNAV (GPS) RWY 16	1A	MARSHFIELD	WI		
<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SUPERSEDED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>
1278	1278	RNAV (GPS) RWY 16	1	06/22/2017	0E	1995
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV			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>
EDGRR		EKTEY		TF	FB	1.00	271.13	8.76	3000
EKTEY	IAF	DUFOE	NOPT	TF	FB	1.00	244.62	6.51	3000
DUFOE	IF/IAF	SOWSU		TF	FB	1.00	158.50	6.05	2900
SOWSU	FAF	RW16	MAP	TF	FO	0.30	158.52	4.95	
RW16	MAP	1639 MSL		CA			158.52		
1639 MSL		VECSU		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT VECSU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD N DUFOE, RT, 158.49 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000.				
3.	FAC: 158.52	FAF: SOWSU	DIST FAF TO MAP: 4.95	DIST FAF TO THLD: 4.95	
4.	MIN ALT: DUFOE 3000, SOWSU 2900				
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	361 HAT: 0.99
6.	MIN GP INCPT: 2900	GP ALT AT PFAF: SOWSU 2900		OM:	GS ANT: MM:
7.	GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 45.0	IM:
8.	MSA FROM: RW16 3600				



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CWA ALTIMETER SETTING.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C.
CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EDGRR ON T464 EASTBOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CWA ALTIMETER SETTING AND INCREASE ALL DA 56 FEET AND LPV VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 074.08 INBOUND.
FAS OBST: 1526 AAO 444315N/0901409W.
CHART R-6904A/B.
CHART VOLK FALLS MOA, VOLK WEST MOA.
CHART VDP AT 1.47 NM TO RW16.
WAAS CHANNEL # 99501
REFERENCE PATH ID: W16A
LTP HAE: 355.5 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.

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	1639	1	361	1639	1	361	1639	1	361	1639	1	361			
LNAV/VNAV DA	1695	1 1/8	417	1695	1 1/8	417	1695	1 1/8	417	1695	1 1/8	417			
LNAV MDA	1780	1	502	1780	1	502	1780	1 3/8	502	1780	1 3/8	502			
CIRCLING	1780	1	502	1780	1	502	2020	2 1/4	742	2020	2 1/2	742			

CHANGES - REASONS

1. CHANGED LNAV/VNAV DA FROM 1682/HAT 404 TO 1695/HAT 417 - NEW SURVEYED OBSTACLE THAT RAISES MINIMUMS 13 FEET, CLEAR NOTAM 5/6698.
2. CHANGED CIRCLING MDA CAT A/B FROM 1760/HAA 482 TO 1780/HAA 502 - MATCH LNAV MINIMUMS, LNAV OBSTACLE IN STRAIGHT-IN AREA.
3. CHANGED LPV VIS FROM 1 1/4 TO 1, LNAV/VNAV VIS FROM 1 3/8 TO 1 1/8 - IAW 8260.3G TABLE 3-3-1.
4. CHANGED FEEDER SEGMENT RNP VALUE FROM 2 TO 1 - IAW 8260.19K 4-6-10 F.
5. CHANGED PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT EDGRR ON V26 EASTBOUND" TO "PROCEDURE NA FOR ARRIVALS AT EDGRR ON T464 EASTBOUND" - UPDATED AIRWAY.
6. ADDED 20:1 IS CLEAR - NO VISUAL SURFACE PENETRATIONS.
7. REMOVED "CHART CIRCLING ICON" IAW MEMO DATED 05/15/2025.
8. CHANGED PBN REQUIREMENTS NOTE FROM "DME/DME RNP-0.3 NA" TO "RNP APCH-GPS" - IAW 8260.19K 8-6-8 D 5.
9. REMOVED FAHRENHEIT VALUES FROM CRITICAL TEMPERATURES, UPDATED BARO-VNAV CRITICAL TEMP NOTE - IAW 8260.19K 8-6-10 R.
10. CHANGED BARO-VNAV NA NOTE WORDING FROM "CENTRAL WISCONSIN" TO "CWA" - IAW 8260.19K 8-6-10 E(8).
11. CHANGED ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CENTRAL WISCONSIN ALTIMETER SETTING AND INCREASE ALL DA 56 FEET AND ALL VISIBILITY 1/8 SM, INCREASE ALL MDA 60 FEET AND LNAV CAT C/D VISIBILITY 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CWA ALTIMETER SETTING AND INCREASE ALL DA 56 FEET AND LPV VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM" - IAW 8260.19K 8-6-12 N.
12. CRC REMAINDER CHANGED FROM "519D88CA" TO "CEE5C4E7" - LTP/FTP LATITUDE LONGITUDE COORDINATES CHANGED FROM 443839.5975N/0901138.8965W TO 443839.6020N/0901138.8990W, FPAP LONGITUDE COORDINATES CHANGED FROM 443716.6700N/0901053.2800W TO 443716.6770N/0901053.2700W.
13. FAS OBSTACLE CHANGED FROM 1510 AAO 444224N/0901300W TO 1526 AAO 444315.00N/0901409.00W, LNAV MDA FROM 1760/HAT 482 TO 1780/HAT 502 - NEW TARGETS TERRAIN EVALUATION.
14. VDP CHANGED FROM 1.40 NM TO RW16 TO 1.47 NM TO RW16 - IAW 8260.19K 8-2-6 G.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZMP, AMGR

FLIGHT CHECKED BY

SHAWN D MAXWELL

Digitally signed by

RAKE MCGRAW

Sep 30, 2025

OFFICE

AJF

DATE

09/26/2025

DEVELOPED BY

ARTHUR ULVESTAD

Digitally signed by

RAKE MCGRAW

Sep 30, 2025

OFFICE

AJV-A422

DATE

08/21/2025

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

Sep 30, 2025

OFFICE

AJV-A422

DATE

TITLE

MANAGER

AIRPORT ID
MFI

PROCEDURE NAME
RNAV (GPS) RWY 16

ORIGINAL/AMENDMENT
1A

CITY
MARSHFIELD

STATE
WI

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMFI
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	443839.6020N
LTP/FTP LONGITUDE	0901138.8990W
LTP/FTP ELLIPSOIDAL HEIGHT	+03555
FPAP LATITUDE	443716.6770N
FPAP LONGITUDE	0901053.2700W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	CEE5C4E7
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03895
FPAP ORTHOMETRIC HEIGHT	+03895



**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>
MFI	RNAV (GPS) RWY 16	1A	MARSHFIELD	WI	1278	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM EDGRR **TO** EKTEY

RNP 1.00 **DISTANCE** 8.76 **PAT** **MAP** **HAT** **HMAS**

<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 (55-000885)	445122.41N/0900621.58W	1648	250	50	4D	1000				AT352	3000
TERRAIN	445303.00N/0900509.00W	1407 (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 EKTEY **TO** DUFOE

RNP 1.00 **DISTANCE** 6.51 **PAT** **MAP** **HAT** **HMAS**

<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 (55-001012)	444935.00N/0901428.00W	1854	500	50	5D	1000				AT146	3000
TERRAIN	444939.00N/0901348.00W	1384 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

DUFOE (IF/IAF)

TO

SOWSU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.05										
<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 (55-001012)	444935.00N/0901428.00W	1854	500	50	5D	500				SA-22	2400
TERRAIN	444842.00N/0901430.00W	1377 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

SOWSU

TO

RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.95		DA				361				
<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>
ELEVATOR (55-024047)	443922.98N/0901155.86W	1404	20	3	1A		34.00:1			MA76	1639

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

SOWSU

TO

RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	4.95		DA	417	

<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 (55-134980)	443943.40N/0901146.19W	1411	20	3	1A		23.94:1				1695

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

SOWSU

TO

RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	4.95		RW16	502	

<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	444315.00N/0901409.00W	1526	215	8	4B	250					1780

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

DUFOE

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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 (55-001012)	444935.00N/0901428.00W	1854	500	50	5D	1000					2900
TERRAIN	445748.00N/0902036.00W	1443 (1400)								AS1500	2900

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

VECSU

<u>RNP</u> 0.30	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1403			
<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>
ELEVATOR (55-024047)	443922.98N/0901155.86W	1404	20	3	1A		ASC				3000
TOWER (55-002052)	443145.90N/0900421.30W	1709	250	50	4D	1000				SA-170	2600
TERRAIN	443900.00N/0901212.00W	1332 (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

VECSU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30										1534	
<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 (55-002052)	443145.90N/0900421.30W	1709	250	50	4D	1000				SA-170	2600
TERRAIN	443900.00N/0901212.00W	1332 (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

FROM

RW16

TO

VECSU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1680
<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 (55-002052)	443145.90N/0900421.30W	1709	250	50	4D	1000				SA-170	2600
TERRAIN	443900.00N/0901212.00W	1332 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

MFI

PROCEDURE NAME

RNAV (GPS) RWY 16

AMDT NO.

1A

CITY

MARSHFIELD

STATE

WI

AIRPORT ELEVATION

1278

FACILITY

RNAV

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	443754.00N/0901245.00W	1.31	502	1433	215	8	4B	300		SI	1780
CATEGORY B											
BUILDING (55-024098)	444013.44N/0901024.88W	1.85	502	1454	50	20	2C	300		SI	1780
CATEGORY C											
TOWER (55-000369)	444105.00N/0900944.00W	2.91	742	1665	250	50	4D	300		AC50	2020
CATEGORY D											
TOWER (55-000369)	444105.00N/0900944.00W	3.81	742	1665	250	50	4D	300		AC50	2020

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW16	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (55-000039)	445514.20N/0894128.75W	052	27.1	2549	250	50	4D	1000			3600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZMP ARTCC, GRB FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	MFI	0	MFI		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	CWA	24	CWA	23.84	Y	56

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KMFI 1278, KCWA 1277, RA = 55.2

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW05 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	
RW16 - MIRL (PCL), REIL (PCL), VASI-2L (PCL)		NPI-G	
RW23 - MIRL (PCL)		NPI-G	
RW34 - MALSR (PCL), MIRL (PCL), VASI-2L (PCL)		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1277.8	45.0			3.00	33.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-22C	+54C	-29C	+12.47C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2019-2023).
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.
DESCENT RATE (FPM): STANDARD TEMP 1282 HIGH TEMP 972.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV, LNAV	
34:1		
1354 TREE (55-134788) 443902.2100N/0901146.6700W (13.37)		1352 TREE (55-134930) 443902.0800N/0901147.0100W (11.47)
1352 TREE (55-134961) 443902.5400N/0901146.5800W (10.52)		1344 TREE (55-134862) 443900.2200N/0901145.3000W (9.95)



<u>AIRPORT ID</u> MFI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>AMDT NO.</u> 1A	<u>CITY</u> MARSHFIELD	<u>STATE</u> WI	<u>AIRPORT ELEVATION</u> 1278	<u>FACILITY</u> RNAV
1352 TREE (55-038089) 443901.6700N/0901150.5600W (9.84)	1350 TREE (55-134785) 443901.6200N/0901149.2100W (9.03)					
1350 TREE (55-134835) 443902.3500N/0901147.3400W (8.46)	1355 TREE (55-037528) 443903.1000N/0901151.9200W (7.82)					
1354 TREE (55-134822) 443903.1500N/0901151.1100W (7.31)	1349 TREE (55-134887) 443902.6000N/0901147.0700W (6.98)					
1341 TREE (55-134845) 443900.4700N/0901145.4600W (6.13)	1340 TREE (55-134814) 443900.0900N/0901145.5700W (6.1)					
1347 TREE (55-033971) 443902.1300N/0901147.3200W (6.09)	1345 TREE (55-134872) 443901.7900N/0901146.0400W (6.02)					
1349 TREE (55-134737) 443902.1500N/0901150.3600W (5.67)	1344 TREE (55-134860) 443901.6400N/0901146.3300W (5.21)					
1346 TREE (55-134761) 443901.7600N/0901149.4600W (4.45)	1348 TREE (55-078217) 443901.5700N/0901152.7900W (4.38)					
1341 TREE (55-038086) 443900.0300N/0901149.3000W (4.37)	1344 TREE (55-134766) 443901.8800N/0901146.5800W (4.35)					
1346 TREE (55-134764) 443902.4600N/0901147.1300W (4.32)	1346 TREE (55-134890) 443901.9400N/0901149.3200W (4.06)					
1334 TREE (55-038083) 443858.7100N/0901145.9000W (3.67)	1342 TREE (55-134744) 443900.8000N/0901148.9600W (3.5)					
1342 TREE (55-134743) 443901.8800N/0901146.2800W (2.59)	1335 TREE (55-134723) 443859.7500N/0901145.1300W (2.39)					
1345 TREE (55-134738) 443902.1900N/0901149.8300W (1.97)	1339 TREE (55-134983) 443900.0700N/0901150.1500W (1.6)					
1343 TREE (55-134796) 443902.6700N/0901146.3600W (1.34)	1340 TREE (55-134870) 443901.6000N/0901146.6800W (1.05)					
1326 POLE (55-024079) 443854.7300N/0901153.4100W (0.86)	1329 TREE (55-134784) 443858.3600N/0901144.4200W (0.79)					
1338 TREE (55-134901) 443901.1600N/0901146.4500W (0.45)	1331 POLE (55-024080) 443856.7100N/0901153.4100W (0.37)					
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT: 100 FT.

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	3.07
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	158.52
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	THLD	TO 1500FT POINT	4.75
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	158.52
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD COORDINATES (IF STR-IN)	443839.60N/0901138.90W
ARP COORDINATES	443812.81N/0901121.54W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 16 DISTANCE 0.49 NM
FAF COORDINATES	444316.12N/0901411.30W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ARTHUR ULVESTAD	AJV-A422	08/21/2025	AERONAUTICAL INFORMATION SPECIALIST

