

**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 MWC	PROCEDURE NAME RNAV (GPS) RWY 4L	ORIGINAL/AMENDMENT ORIG-F	CITY MILWAUKEE	STATE WI
AIRPORT ELEVATION 745	TDZE 738	SUPERSEDED RNAV (GPS) RWY 4L	DATED 04/21/2022	MAG VAR 2W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1990
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BAE VOR/DME		IVALY		TF	FO	1.00	158.57	10.56	2600
GREAS	IAF	IVALY	NOPT	TF	FB	1.00	088.76	15.71	2600
BONOT	IAF	IVALY	NOPT	TF	FB	1.00	003.63	5.02	2600
IVALY	IF/IAF	OWYAL		TF	FB	1.00	038.07	6.50	2300
OWYAL	FAF	OPEPY/1.80 NM TO RW04L		TF	FB	0.30	038.12	2.97	
OPEPY/1.80 NM TO RW04L		RW04L	MAP	TF	FO	0.30	038.12	1.80	
RW04L	MAP	1145 MSL		CA			038.12		
1145 MSL		HAWKN		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LP: RW04L
LNAV: RW04L

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 3000 DIRECT HAWKN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW IVALY, LT, 038.07 INBOUND, 2600 IN LIEU OF PT (IAF), MAX 6000.
- FAC: 038.12 FAF: OWYAL DIST FAF TO MAP: 4.77 DIST FAF TO THLD: 4.77
- MIN ALT: IVALY 2600, OWYAL 2300, OPEPY/1.80 NM TO RW04L 1340
- 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: RW04L 2900



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 4R, 15R, 22L AND 33L.
 CHART NOTE: RWY 4L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BAE VOR/DME AIRWAY RADIALS 100 CW 226.
 CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: STRAIGHT-IN RWY 4L NA AT NIGHT, CIRCLING RWY 4L, 33R NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 184.55 INBOUND.
 CHART FAS OBST: 983 TOWER (55-000697) 430458N/0880403W, 932 TANK (55-000866) 430509N/0880343W.
 CHART 1320 TOWER (55-000519) 430219N/0880421W.
 WAAS CHANNEL # 90520
 REFERENCE PATH ID: W04A
 OWYAL TO RW4L: 3.00/44.
 LTP HAE: 189.7 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 900-2 3/4, 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
LP MDA	1240	1	502	1240	1	502	1240	1 3/8	502	1240	1 3/8	502			
LNAV MDA	1300	1	562	1300	1	562	1300	1 5/8	562	1300	1 5/8	562			
CIRCLING	1300	1	555	1340	1	595	1360	1 3/4	615	1560	2 3/4	815			

CHANGES - REASONS

1. TERMINAL ROUTES: OWYAL TO OTEPY/1.80 NM TO RW04L COURSE UPDATED FROM 038.13 TO 038.12 - FAS DATA UPDATE.
2. TERMINAL ROUTES: OTEPY/1.80 NM TO RW04L TO MAP COURSE UPDATED FROM 038.13 TO 038.12 - FAS DATA UPDATE.
3. TERMINAL ROUTES: RW04L TO 1145 MSL COURSE UPDATED FROM 038.13 TO 038.12 - FAS DATA UPDATE.
4. PROFILE: LINE 3: FAC UPDATED FROM 038.13 TO 038.12 - FAS DATA UPDATE.
5. PROFILE LINE 7: 20:1 UPDATED FROM IS CLEAR TO IS NOT CLEAR - NEW 20:1 OBSTACLES.
6. NOTES: CHART NOTE: RWY 4L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED UPDATED TO CHART NOTE: RWY 4L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED - NEW 20:1 OBSTACLES.
7. ADDITIONAL FLIGHT DATA: ADDED: CHART NOTE: STRAIGHT-IN RWY 4L NA AT NIGHT, CIRCLING RWY 4L, 33R NA AT NIGHT - NEW 20:1 OBSTACLES FOR SI RWY 4L AND 20:1 OBSTACLES IN CIRCLING AREAS RWY 4L AND 33R.
8. ADDITIONAL FLIGHT DATA: UPDATED LTP HAE: FROM 189.8 M TO 189.7 M - FAS DATA UPDATE.
9. ADDITIONAL FLIGHT DATA: ADDED CHART 1320 TOWER (55-000519) 430219N/0880421W - LNAV 7:1 OBSTACLE.
10. CRC REMAINDER UPDATED FROM 448DAB14 TO B1261D45 - LTP/FTP LATITUDE UPATED FROM 430625.5665N TO 430625.5620N, LTP/FTP LONGITUDE UPDATED FROM 0880217.2185W TO 0880217.2350W, LTP/FTP ELLIPSOIDAL HEIGHT UPDATED FROM +01898 TO +01897, FPAP COORDINATES UPDATED FROM 430737.5015N/0880105.4050W TO 430737.4905N/0880105.4100W.



AIRPORT ID
MWC

PROCEDURE NAME
RNAV (GPS) RWY 4L

ORIGINAL/AMENDMENT
ORIG-F

CITY
MILWAUKEE

STATE
WI

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZAU, MKE APP, KMWC ATCT, AMGR

FLIGHT CHECKED BY

MICHAEL W PENDERGRASS

Digitally signed by

RAKE MCGRAW

Mar 27, 2026

OFFICE

AJF

DATE

03/25/2026

Digitally signed by

RAKE MCGRAW

Mar 27, 2026

OFFICE

AJV-A422

DATE

11/07/2025

DEVELOPED BY

RALPH P. MILLER

Digitally signed by

RAKE MCGRAW

Mar 27, 2026

OFFICE

AJV-A422

DATE

TITLE

MANAGER

APPROVED BY

RAKE MCGRAW

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KMWC
RW04L
0
0
W04A
430625.5620N
0880217.2350W
+01897
430737.4905N
0880105.4100W
00044.1
F
03.00
106.75
1776
40.0
00.0

CRC REMAINDER

B1261D45

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K5
+02247
+02247



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

<u>AIRPORT ID</u> MWC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4L	<u>AMDT NO.</u> ORIG-F	<u>CITY</u> MILWAUKEE	<u>STATE</u> WI	<u>AIRPORT ELEVATION</u> 745	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM BAE VOR/DME **TO** IVALY

RNP 1.00 DISTANCE 10.56 PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (55-000766)	425805.04N/0881120.10W	1533	50	20	2C	1000					2600
TERRAIN	430715.00N/0881551.00W	1095 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM GREAS **TO** IVALY

RNP 1.00 DISTANCE 15.71 PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (55-000766)	425805.04N/0881120.10W	1533	50	20	2C	1000					2600
TERRAIN	425827.00N/0882603.00W	1122 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
MWC

PROCEDURE NAME
RNAV (GPS) RWY 4L

AMDT NO.
ORIG-F

CITY
MILWAUKEE

STATE
WI

AIRPORT ELEVATION
745

FACILITY
RNAV

INITIAL

FROM
BONOT

TO
IVALY

RNP
1.00

DISTANCE
5.02

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 (55-000766)	425805.04N/0881120.10W	1533	50	20	2C	1000					2600
TERRAIN	425633.00N/0880951.00W	1040 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
IVALY (IF/IAF)

TO
OWYAL

RNP
1.00

DISTANCE
6.50

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 (55-000766)	425805.04N/0881120.10W	1533	50	20	2C	500				AT267	2300
TERRAIN	425818.00N/0881103.00W	1076 (1100)								AS1000	2100

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
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PROCEDURE NAME
RNAV (GPS) RWY 4L

AMDT NO.
ORIG-F

CITY
MILWAUKEE

STATE
WI

AIRPORT ELEVATION
745

FACILITY
RNAV

FINAL: LP

FROM
OWYAL

TO
OTEPY/1.80 NM TO RW04L

RNP
0.30

DISTANCE
2.97

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	430339.00N/0880551.00W	1031	215	8	4B	250				RA40 DG19	1340

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LP STEPDOWN

FROM
OTEPY/1.80 NM TO RW04L

TO
RW04L

RNP
0.30

DISTANCE
1.80

PAT

MAP
RW04L

HAT
502

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TANK (55-000866)	430509.00N/0880343.00W	932	500	50	5D	250				AC50	1240

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM
OWYAL

TO
OTEPY/1.80 NM TO RW04L

RNP
0.30

DISTANCE
2.97

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	430315.00N/0880545.00W	1044	215	8	4B	250				RA40	1340

QUALITY
39
CHECKED

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID
MWC

PROCEDURE NAME
RNAV (GPS) RWY 4L

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ORIG-F

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MILWAUKEE

STATE
WI

AIRPORT ELEVATION
745

FACILITY
RNAV

FINAL: LNAV STEPDOWN

FROM
OTEPY/1.80 NM TO RW04L

TO
RW04L

RNP
0.30

DISTANCE
1.80

PAT

MAP
RW04L

HAT
562

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (55-000697)	430457.95N/0880403.34W	983	250	50	4D	250				AC50	1300

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
IVALY

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 (55-000766)	425805.04N/0881120.10W	1533	50	20	2C	1000					2600
TERRAIN	425818.00N/0881103.00W	1076 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
MWC

PROCEDURE NAME
RNAV (GPS) RWY 4L

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ORIG-F

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STATE
WI

AIRPORT ELEVATION
745

FACILITY
RNAV

MISSED APPROACH: LP

FROM RW04L **TO** HAWKN

RNP 0.30 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 1140

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (55-000273)	431956.00N/0881535.00W	1492	500	50	5D	1000					2500
TERRAIN	431436.00N/0881412.00W	1184 (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: LNAV

FROM RW04L **TO** HAWKN

RNP 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 1200

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (55-000273)	431956.00N/0881535.00W	1492	500	50	5D	1000					2500
TERRAIN	431436.00N/0881412.00W	1184 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
MWC

PROCEDURE NAME
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AMDT NO.
ORIG-F

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MILWAUKEE

STATE
WI

AIRPORT ELEVATION
745

FACILITY
RNAV

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
TREE	430733.00N/0880342.00W	1.30	555	904	215	8	4B	300		XP96	1300
CATEGORY B											
TOWER (55-000212)	430500.33N/0880121.30W	1.83	595	978	20	3	1A	300		XP62	1340
CATEGORY C											
BUILDING (55-000631)	430403.00N/0880256.00W	2.88	615	1009	500	50	5D	300		AC50	1360
CATEGORY D											
TOWER (55-000658)	430706.00N/0880712.00W	3.76	815	1192	250	50	4D	300		AC50	1560

CIRCLING REMARKS:

XP=MAINTAIN CURRENT MINS.

MSA

CENTER RADIUS
RW04L 25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TOWER (55-001227)	430642.00N/0875550.00W	089	4.7	1848	250	50	4D	1000			2900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAU ARTCC, MKE APP CON, MWC TOWER

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3	MWC	24	MWC		Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	MKE	24	MKE	11.51	Y	29

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KMWC 745, KMKE 728
RA = 28.8.



PRIMARY NAVAID MONITOR POINT HRS OPERATION CAT

AIRPORT ID
MWC

PROCEDURE NAME
RNAV (GPS) RWY 4L

AMDT NO.
ORIG-F

CITY
MILWAUKEE

STATE
WI

AIRPORT ELEVATION
745

FACILITY
RNAV

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW15R		
RW04R		
RW33L		
RW22L		
RW04L - MIRL (PCL), REIL (PCL), VASI-4L (PCL)	NPI-G	
RW15L - MIRL (PCL), REIL (PCL), PAPI-4R (PCL)	NPI-G	
RW22R - REIL (PCL), MIRL (PCL), VASI-4L (PCL)	NPI-G	
RW33R - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G	

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE

4.00

TCH

44.1

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 04L	
20:1		
808 TREE (55-111116) 430612.3400N/0880224.6300W (10.58)		803 TREE (55-111450) 430613.6600N/0880228.7600W (1.94)
791 TREE (55-111772) 430615.3500N/0880227.1800W (0.3)		
FINAL TYPE	CIRCLING RWY 33R	
20:1		
801 POLE (55-025617) 430616.1600N/0880136.2900W (12.66)		819 TREE (55-111101) 430609.6200N/0880140.5000W (12.18)
810 TREE (55-111563) 430611.6600N/0880140.5000W (11.7)		807 TREE (55-111274) 430614.6400N/0880135.2400W (10.11)
816 TREE (55-111644) 430613.3800N/0880133.0600W (9.28)		784 TREE (55-111415) 430616.8500N/0880141.2100W (8.86)
780 TREE (55-111827) 430617.1100N/0880142.5100W (8.67)		799 TREE (55-111335) 430613.5900N/0880140.4300W (8.61)
805 TREE (55-112243) 430614.9900N/0880134.4000W (7.81)		781 TREE (55-111322) 430616.8200N/0880140.9300W (5.15)
780 TREE (55-111298) 430616.9900N/0880140.8300W (4.65)		799 TREE (55-111541) 430614.7400N/0880135.8200W (3.75)
802 TREE (55-111126) 430611.4900N/0880140.8300W (3.68)		801 TREE (55-111345) 430614.6300N/0880134.9000W (3.36)
802 TREE (55-111425) 430611.2000N/0880140.5400W (1.86)		825 TREE (55-028983) 430610.9900N/0880129.9600W (1.8)

QUALITY
39
CHECKED

<u>AIRPORT ID</u> MWC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4L	<u>AMDT NO.</u> ORIG-F	<u>CITY</u> MILWAUKEE	<u>STATE</u> WI	<u>AIRPORT ELEVATION</u> 745	<u>FACILITY</u> RNAV
772 TREE (55-112242) 430617.1300N/0880142.8200W (1.41)			793 TREE (55-112181) 430613.0300N/0880140.4700W (0.36)			
795 TREE (55-111359) 430614.6200N/0880136.2900W (0.23)			797 TREE (55-111155) 430611.8600N/0880140.8300W (0.23)			
782 TREE (55-111790) 430615.2200N/0880141.2800W (0.2)						
FINAL TYPE	LP AND LNAV					
20:1						
808 TREE (55-111116) 430612.3400N/0880224.6300W (10.58)			803 TREE (55-111450) 430613.6600N/0880228.7600W (1.94)			
791 TREE (55-111772) 430615.3500N/0880227.1800W (0.3)						
FINAL TYPE	LP AND LNAV					
34:1						
817 TREE (55-028827) 430608.2300N/0880228.7100W (29.25)			817 TREE (55-028830) 430606.3600N/0880229.6800W (23.5)			
810 TREE (55-028930) 430611.4200N/0880233.7400W (23.44)			798 TREE (55-028853) 430612.3500N/0880226.4500W (23.06)			
820 TREE (55-028841) 430608.4500N/0880236.8800W (22.25)			801 TREE (55-032450) 430611.4600N/0880227.7500W (22.25)			
801 TREE (55-035056) 430613.2500N/0880231.5600W (21.64)			802 TREE (55-028726) 430614.4400N/0880234.7900W (21.34)			
805 TREE (55-028921) 430608.8700N/0880227.3900W (20.49)			811 TREE (55-028837) 430611.7800N/0880238.0700W (19.72)			
800 TREE (55-028852) 430610.4800N/0880227.3200W (19.45)			803 TREE (55-028833) 430609.6500N/0880228.5900W (18.81)			
809 TREE (55-028832) 430607.0200N/0880228.4500W (18.67)			811 TREE (55-028836) 430610.0900N/0880236.9200W (17.14)			
800 TREE (55-028834) 430610.4900N/0880229.5000W (16.66)			814 TREE (55-028846) 430606.4200N/0880232.9200W (16.47)			
802 TREE (55-028931) 430610.6300N/0880231.5200W (16.4)			819 TREE (55-028842) 430606.2400N/0880237.0600W (15.71)			
807 TREE (55-028831) 430607.6300N/0880231.3900W (14.35)			805 TREE (55-028835) 430610.4000N/0880235.6300W (13.55)			
820 TREE (55-028843) 430605.3000N/0880237.7800W (13.52)			804 TREE (55-028927) 430611.2100N/0880236.4700W (13.42)			
810 TREE (55-028840) 430610.0900N/0880239.3600W (13)			772 TREE (55-028592) 430618.5700N/0880227.3700W (10.83)			
798 TREE (55-078997) 430609.4800N/0880231.1300W (10.13)			789 TREE (55-078995) 430612.0200N/0880230.5700W (7.96)			
789 TREE (55-028920) 430609.4800N/0880226.2900W (7.37)			767 TREE (55-028703) 430616.9900N/0880223.9600W (6.42)			
762 POLE (55-025628) 430617.6700N/0880221.5700W (6.13)			805 TREE (55-028847) 430606.3700N/0880234.2800W (5.6)			
809 TREE (55-028767) 430607.4100N/0880240.2100W (4.46)			804 TREE (55-028901) 430607.7200N/0880237.8100W (3.3)			
761 POLE (55-025622) 430619.5500N/0880226.9500W (2.72)			771 STACK (55-025623) 430616.4500N/0880229.4700W (2.03)			
767 POLE (55-025625) 430617.6500N/0880229.4300W (0.96)			769 POLE (55-025626) 430617.4200N/0880231.1600W (0.18)			
PENETRATIONS REMARKS:						



AIRPORT ID
MWC

PROCEDURE NAME
RNAV (GPS) RWY 4L

AMDT NO.
ORIG-F

CITY
MILWAUKEE

STATE
WI

AIRPORT ELEVATION
745

FACILITY
RNAV

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.

VEGETATION: 100 FEET

THE VDP IS NOT PUBLISHABLE DUE TO: 20:1 PENETRATIONS.

CIRCLING NA TO RWYS 4R, 15R, 22L, 33L - TURF RUNWAYS.

CONTINGENCY NOTES:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MKE ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM AND LP VISIBILITY CAT C/D 1/4 SM.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1086 AAO 430239.00N/0880548.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1320 TOWER (55-000519) 430219.00N/0880421.00W.

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	3.44
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	036.13
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	11.27
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	036.07
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1100

THRESHOLD COORDINATES (IF STR-IN)

430625.56N/0880217.24W

ARP COORDINATES

430637.37N/0880203.91W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 15L DISTANCE 0.38 NM

FAF COORDINATES

430234.46N/0880607.51W

FIX NAME COORDINATES

IF/IAF IVALY 425719.20N/0881120.68W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED



PART E: PREPARED BY

NAME

RALPH P. MILLER

OFFICE

AJV-A422

DATE

11/07/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

AIRPORT ID
MWC

PROCEDURE NAME
RNAV (GPS) RWY 4L

AMDT NO.
ORIG-F

CITY
MILWAUKEE

STATE
WI

AIRPORT ELEVATION
745

FACILITY
RNAV

QUALITY
39
CHECKED