

**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</u> WARREN MUNI	<u>AIRPORT ID</u> D37	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> WARREN	<u>STATE</u> MN	
<u>AIRPORT ELEVATION</u> 888	<u>TDZE</u> 888	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 04/18/2002	<u>MAG VAR</u> 5E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 216/30 CW 036/30	NOPT	QAVMY	IF/IAF	2700
2. 036/30 CW 126/30		UHEVU	IAF	2700
3. 126/30 CW 216/30		ZOCXE	IAF	2700

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
UHEVU	IAF	QAVMY	NOPT	TF	FB	1.00	035.64	5.00	2700
ZOCXE	IAF	QAVMY	NOPT	TF	FB	1.00	215.76	5.00	2700
QAVMY	IF/IAF	EYOJE		TF	FB	1.00	305.70	5.01	2500
EYOJE	FAF	RW30	MAP	TF	FO	0.30	305.64	4.88	
RW30	MAP	2000 MSL		CA			305.64		2000
2000 MSL		QAVMY		DF	FO	1.00			2700

**MISSED APPROACH**

**MAP:**

LNAV: RW30

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2700 DIRECT QAVMY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
21  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE QAVMY, RT, 305.70 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 305.64FAF: EYOJEDIST FAF TO MAP: 4.88DIST FAF TO THLD: 4.88

4. MIN ALT: QAVMY 2700, EYOJE 2500

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:MM:IM:

6. MIN GP INCPT:GP ALT AT FAF :OM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 4 AND 22.  
CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: USE CROOKSTON ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART CROOKSTON AWOS-3.  
EYOJE TO RW30: 3.04/40.  
FAS OBST: 1135 AAO 480845N/0963542W.

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
LNAV MDA	1480	1	592	1480	1	592		NA			NA				
CIRCLING	1480	1	592	1480	1	592		NA			NA				



CHANGES - REASONS

1. TERMINAL ROUTE ADDED: EYOJE (FAF) TO RW30 (MAP), COURSE 305.64/DISTANCE 4.88 - CHART CORRECTION.
2. TERMINAL ROUTE ADDED: RW30 (MAP) TO 2000 MSL (CA), COURSE 305.64 - CA LEG ADDED TO MISSED APPROACH INSTRUCTIONS PER 8260.58A 3-5-2.
3. TERMINAL ROUTES, RW30 (MAP) TO QAVMY CHANGED TO 2000 MSL TO QAVMY - CA LEG ADDED TO MISSED APPROACH INSTRUCTIONS PER 8260.58A 3-5-2.
4. PROFILE LINE 3, FAC CHANGED FROM 305.63 TO 305.64 - CHART CORRECTION.
5. PROFILE LINE 7, 34:1 CHANGED FROM CLEAR TO NOT CLEAR - 34:1 PENETRATIONS.
6. PROFILE LINE 7, 20:1 IS CLEAR ADDED - IAW 8260.19H PARA 8-6-7G(3).
7. NOTE DELETED: DME/DME RNP-0.3 NA - NOTE REPLACED WITH NEW PBN REQUIREMENTS NOTE.
8. PBN REQUIREMENTS NOTE ADDED: RNP APCH - PER 8260.58A PBN NAVSPEC REQUIREMENT.
9. NOTE CHANGED FROM 'USE CROOKSTON MUNI-KIRKWOOD FIELD ALTIMETER SETTING' TO 'USE CROOKSTON ALTIMETER SETTING' - PER .19H 8-6-9F(6).
10. ADDED TO ADDITIONAL FLIGHT DATA CHART CROOKSTON AWOS-3 - PER .19H 8-2-4B(3).
11. NOTE DELETED: GPS OR RNP-0.3 REQUIRED - OUTDATED NOTE, NO LONGER REQUIRED TO CHART.
12. NOTE ADDED: CIRCLING NA TO RWYS 4 AND 22 - RWY 4/22 IS A TURF RWY. NO RAPT APPROVAL FOR IFR OPERATIONS.
13. NOTE ADDED: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 PENETRATIONS.
14. ADDITIONAL FLIGHT DATA, NOTE DELETED: MIRL RWY 12/30 - OUTDATED NOTE, NO LONGER REQUIRED TO CHART.
15. ADDITIONAL FLIGHT DATA, FAS OBSTACLE CHANGED FROM 1024 TREE 480907N/0963859W TO 1135 AAO 480845N/0963542W - UPDATED EVALUATION.
16. ADDITIONAL FLIGHT DATA, NOTE DELETED: CHART 1034 TREE 480838N/0963600W - NO 7:1 EXCLUDED OBSTACLES WITH NEW EVALUATION.
17. ADDITIONAL FLIGHT DATA, NOTE DELETED: FINAL SEGMENT: (TF) - OUTDATED NOTE, NO LONGER REQUIRED TO CHART.
18. ADDITIONAL FLIGHT DATA, PLANVIEW NOTE ADDED: FINAL APPROACH COURSE OFFSET 0.09 DEGREES - PER .19H 8-6-10G(1).
19. AIRPORT ELEVATION CHANGED FROM 886 TO 888 - NEW AIRNAV DATA.
20. TDZE CHANGED FROM 885 TO 888 - NEW AIRNAV DATA.
21. LNAV MINIMA CATS A-B, HAT CHANGED FROM 595 TO 592 - TDZE ELEVATION UPDATED PER NEW AIRNAV DATA.
22. CIRCLING MINIMA CATS A-B, HAA CHANGED FROM 594 TO 592 - AIRPORT ELEVATION UPDATED PER NEW AIRNAV DATA.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZMP, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

ANDREA CHANEY

APPROVED BY

LONNIE EVERHART

Digitally signed by

DAVID TEFFETELLER

Apr 17, 2019

OFFICE

AJV-A433

AJV-A430

Digitally signed by

DAVID TEFFETELLER

Apr 26, 2019

OFFICE

AJV-A433

AJV-A430

DATE

02/25/2019

DATE

TITLE

MANAGER

