

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> WEST MICHIGAN RGNL	<u>AIRPORT ID</u> KBIV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> HOLLAND	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 698	<u>TDZE</u> 686	<u>SUPERSEDED</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> 3	<u>DATED</u> 07/02/2009	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 174/30 CW 354/30	NOPT	JAVPO	IF/IAF	3000
2. 354/30 CW 084/30		TOLVE	IAF	3000
3. 084/30 CW 174/30		LOPIC	IAF	3000

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LOPIC	IAF	JAVPO	NOPT	TF	FB	1.00	173.89	7.00	3000
TOLVE	IAF	JAVPO	NOPT	TF	FB	1.00	353.93	7.00	3000
JAVPO	IF/IAF	FENAB		TF	FB	1.00	263.91	6.13	2600
FENAB	FAF	RW26	MAP	TF	FO	0.30	263.82	5.91	
RW26	MAP	886 MSL		CA			263.82		
886 MSL		HOXON		DF	FO	1.00			2700

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW26

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2700 DIRECT HOXON AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
10  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD E JAVPO, RT, 263.91 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 263.82FAF: FENABDIST FAF TO MAP: 5.91DIST FAF TO THLD: 5.91

4. MIN ALT: JAVPO 3000, FENAB 2600

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.53GS ANT:

6. MIN GP INCPT: 2600GP ALT AT FAF : FENAB 2600OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 32.4

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 SM; INCREASE LNAV CAT C VISIBILITY TO 1 1/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON  
CHART FAS OBST: 841 TOWER 424428.90N/0860336.90W.  
CHART VDP AT 1.19 NM TO RW26\*  
\*LNAV ONLY  
WAAS CHANNEL #53402  
REFERENCE PATH ID: W26A  
HOLD W, RT, 083.53 INBOUND  
LTP HAE: 175.7 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	886	1/2	200	886	1/2	200	886	1/2	200		NA				
LNAV/VNAV DA	1040	5/8	354	1040	5/8	354	1040	5/8	354		NA				
LNAV MDA	1100	1/2	414	1100	1/2	414	1100	3/4	414		NA				
CIRCLING	1200	1	502	1240	1	542	1240	1 1/2	542		NA				



CHANGES - REASONS

1. ARPT NAME CHANGED FROM "TULIP CITY" TO "WEST MICHIGAN RGNL" - PER NFDD 011 DTD 1/18/2012.
2. CHANGED DISTANCE FROM 265 HAT: 0.73 NM TO 200 HAT: 0.53- BASED ON NEW LPV MINIMUMS.
3. CHANGED DISTANCE FAF TO MAP FROM 5.81 TO 5.91 - MOVED PFAF TO MAINTAIN 3.00 GPA
4. CHANGED VDP DISTANCE FROM 1.32 TO 1.19 - MOVED PFAF TO MAINTAIN 3.00 GPA
5. ADDED NOTE "CHART CIRCLING ICON" - 8260-19H, CHAPTER 8-6-10T
6. LOWERED LPV DA/HAT FROM 951/265 TO 886/200 - LOWED BASED ON CURRENT OBSTACLE EVALUATION, WITH FPT APPROVAL.
7. LOWERED LNAV/VNAV DA/HAT AND VISIBILITY FROM 1175/489 AND 1 1/4 VIS, TO 1040/354, AND 5/8 VIS - LOWERED BASED ON CURRENT OBSTACLE EVALUATION, WITH FPT APPROVAL.
8. LOWERED LNAV MDA/HAT FROM 1140/454 TO 1100/414 - LOWED BASED ON CURRENT OBSTACLE EVALUATION, WITH FPT APPROVAL.
9. RAISED CAT C CIRCLING CMDA/HAA FROM 1200/502 TO 1240/542 - RAISED BASED ON CURRENT OBSTACLE EVALUATION.
10. LOPIC TO JAVPO DISTANCE CHANGED FROM 5.00 NM TO 7.00 NM - MOVED TO MEET MINIMUM LEG LENGTH, IAW 8260.58A, CHAPTER 1-2-5B.
11. TOLVE TO JAVPO DISTANCE CHANGED FROM 5.00 NM TO 7.00 NM - MOVED TO MEET MINIMUM LEG LENGTH, IAW 8260.58A, CHAPTER 1-2-5B.
12. ADDED NOTE "20:1 IS CLEAR" - 8260.19H, CHAPTER 8-6-7G.
13. REMOVED CHART NOTE: DME/DME RNP -0.3 NA - 8260.19H, CHAPTER 8-6-8B.
14. ADDED PBN REQUIREMENTS NOTE: RNP APCH - 8260.19H, CHAPTER 8-6-8B.
15. REMOVED BACKUP ALTIMETER AND ASSOCIATED NOTES - MOVED TO -9 AS A CONTINGENCY.
16. UPDATED CHART NOTE FROM "FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 1" TO "FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 SM, INCREASE LNAV CAT C VISIBILITY TO 1 1/8 SM" - UPDATED TO REFLECT CURRENT INOP TABLE, AND NEW MINIMUMS.
17. REMOVED FAHRENHEIT TEMPERATURE VALUES FROM CRITICAL TEMPERATURE INFORMATION - 8260.19H, CHAPTER 8-7-1C.
18. FPAP LAT/LONG CHANGED FROM 424428.7N/0860707.99W TO 424423.4066N/0860747.5886, VERTICAL ALERT LIMIT CHANGED FROM 50 TO 35, LENGTH OFFSET CHANGED FROM 0008 TO 0920 AND LTP ORTHOMETRIC HEIGHT CHANGED FROM 02091 TO 02090 - PFAF LOCATION AND MINIMUMS CHANGED.
19. CRC REMAINDER CHANGED FROM 579D5070 TO 08C72C56 -FPAP LAT/LONG, VERTICAL ALERT LIMIT, LENGTH OFFSET, AND LTP ORTHOMETRIC HEIGHT CHANGED.
20. FAS OBST CHANGED FROM 855 ANTENNA TO 880 AAO - NEW OBSTACLE STUDY.
21. CHANGED DISTANCE FROM JAVPO TO FENAB, FROM 6.23 TO 6.13 - FENAB MOVED.
22. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - PER .19H PARA 8-6-7B (2).

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAU, APT MGR, MKG TRACON

FLIGHT CHECKED BY

PATRICK MURRAY

OFFICE

FICO

DATE

11/26/19

Digitally signed by

ALLAN WILL

Jan 07, 2020

DEVELOPED BY

ALLAN WILL (KARLIE BUNTIN)

OFFICE

AJV-A421

DATE

10/21/2019

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Jan 07, 2020

APPROVED BY

MARLON ROBINSON

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AJV-A420

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Jan 07, 2020

TITLE

MANAGER



