

**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> KCMX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> HANCOCK	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 1095	<u>TDZE</u> 1075	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 06/26/2014	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**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>
CMX VOR/DME		ZORIV		TF	FO	1.00	069.45	11.49	3700
ZORIV	IF/IAF	HAMIP		TF	FB	1.00	249.07	6.00	2800
HAMIP	FAF	RW25	MAP	TF	FO	0.30	248.97	5.28	
RW25	MAP	1440 MSL		CA			248.97		
1440 MSL		FAXET		DF	FO	1.00			3700

**MISSED APPROACH**

**MAP:**

LP: RW25  
LNAV: RW25

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3700 DIRECT FAXET AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD E ZORIV, RT, 249.07 INBOUND, 3700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 248.97FAF: HAMIPDIST FAF TO MAP: 5.28DIST FAF TO THLD: 5.28

4. MIN ALT: ZORIV 3700, HAMIP 2800

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

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

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

8. MSA FROM: RW25 3300

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CMX VOR/DME ON V133-341 NORTHWEST BOUND.  
CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HAMIP TO RW25: 3.00/45  
CHART CIRCLING ICON  
HOLD W, RT, 068.68 INBOUND.  
CHART FAS OBST: 1239 TREE 471113N/0882709W, 1179 TREE 471040N/0882749W.  
CHART VDP AT 1.02 NM TO RW25.  
WAAS CHANNEL # 86634  
REFERENCE PATH ID: W25A  
LTP HAE: 293.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 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
LP MDA	1440	1	365	1440	1	365	1440	1	365	1440	1	365			
LNAV MDA	1500	1	425	1500	1	425	1500	1 1/4	425	1500	1 1/4	425			
CIRCLING	1620	1	525	1660	1	565	1700	1 3/4	605	1900	2 1/2	805			



**CHANGES - REASONS**

1. INCORPORATED FDC NOTAM 4/3749 ADMT 1A INTO THE FORM.
2. DELETED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH" TO PBN REQUIREMENTS NOTE. - 8260.19H 8-6-8.B(1).
3. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2. - 8260.19H 8-6-7.B(2).
4. ADDED "20:1 IS CLEAR" TO PROFILE LINE 7. - 8260.19H 8-6-7.G(3).
5. CHANGED "CHART VDP AT 1.2 MILES TO RW25\* \*LNAV ONLY." TO "CHART VDP AT 1.02 NM TO RW25". - 8260.19H 8-6-10.N(2).
6. UPDATED CHART NOTE: FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" TO "RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED". - 8260.19H 8-6-11.K (3).
7. ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - 8260.19H 8-6-9.M(1).
8. CHANGED CRC REMAINDER FROM D1F9E011 TO E8A8FBFE. - LTP/FTP LAT/LONG UPDATED FROM 471011.5615N/0882846.3820W TO 471011.5615N/0882846.3810W, FPAP LAT/LONG UPDATED FROM 470936.5700N/0883046.4600W TO 470936.5800N/0883046.4655W, AND LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +02932 TO +02933.
9. TDZE CHANGED FROM 1074 TO 1075. - UPDATED AIRNAV DATA.
10. CHANGED ADDITIONAL FLIGHT DATA FROM "FAS OBST: 1239 TREE 471113N/0882709W" AND "FAS OBST: 1179 TREE 471040N/0882749W" TO " CHART FAS OBST:1239 TREE 471113N/0882709W, 1179 TREE 471040N/0882749W". - 8260.19H 8-6-10.C.
11. UPDATED LP CATS A-D HAT FROM "366" TO "365". - TDZE CHANGED FROM 1074 TO 1075.
12. UPDATED LNAV CATS A-D HAT FROM "426" TO "425". - TDZE CHANGED FROM 1074 TO 1075.
13. REMOVED PROFILE LINE 7 "GS ANGLE 3.00" AND "TCH: 45". - 8260.19H 8-6-7.G.
14. RELOCATED BACKUP ALTIMETER NOTES. - NOTES MOVED TO -9 FOR CONTINGENCY PURPOSES.
15. TERMINAL ROUTE RW25 TO 1440 MSL ADDED COURSE 248.97. - 8260.58A 3-5-2.
16. CHANGED ADDITIONAL FLIGHT DATA ENTRY LTP HAE FROM 293.2 M TO 293.3. - REVISED AIRNAV DATA.
17. CHANGED FAS DATA BLOCK LTP/FTP LAT/LONG FROM 471011.5615N/0882846.3820W TO 471011.5615N/0882846.3810W, LTP/FTP ELLIPSOIDAL HEIGHT FROM +02932 TO +02933, AND FPAP LAT/LONG FROM 470936.5700N/0883046.4600W TO 470936.5800N/0883046.4655W - REVISED AIRNAV DATA.

**COORDINATED WITH:**A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, AMGR, GREEN BAY FSS

Digitally signed by

**FLIGHT CHECKED BY** DONALD H LANIER

SCOTT WIEBE Jun 29, 2021

**OFFICE**

FICO

**DATE**

06/25/2021

**DEVELOPED BY**

DONALD H. LANIER (TIA FERONTI)

Digitally signed by

**KWEKU DONKOR**

Nov 20, 2020

**OFFICE**

AJV-A431

**DATE**

08/26/2020

**APPROVED BY**

LONNIE EVERHART

Digitally signed by

**DONALD H LANIER**

Jun 29, 2021

**OFFICE**

AJV-A430

**DATE**

08/26/2020

**TITLE**  
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMX
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	471011.5615N
LTP/FTP LONGITUDE	0882846.3810W
LTP/FTP ELLIPSOIDAL HEIGHT	+02933
FPAP LATITUDE	470936.5800N
FPAP LONGITUDE	0883046.4655W
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	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	E8A8FBFE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03275
FPAP ORTHOMETRIC HEIGHT	+03275