

**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.

<b>AIRPORT</b> MICHIGAN CITY MUNI-PHILLIPS FIELD	<b>AIRPORT ID</b> KMGC	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 20	<b>ORIGINAL/AMENDMENT</b> 1	<b>CITY</b> MICHIGAN CITY	<b>STATE</b> IN
<b>AIRPORT ELEVATION</b> 655	<b>TDZE</b> 653	<b>SUPERSEDED</b> RNAV (GPS) RWY 20	<b>ORIGINAL/AMENDMENT</b> ORIG	<b>DATED</b> 09/23/2010	<b>MAG VAR</b> 3W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 10 OCTOBER 2019	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>CANCEL/SUSPEND</b>	<b>EPOCH YEAR</b> 2000

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EXCAP	IF/IAF	LAPMY		TF	FB	1.00	203.36	6.01	2300
LAPMY	FAF	RW20	MAP	TF	FO	0.30	203.39	5.08	
RW20	MAP	1055 MSL		CA			203.39		
1055 MSL		EXCAP		DF	FO	1.00			2600

**MISSED APPROACH**

**MAP:**

LNAV: RW20

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 2600 DIRECT EXCAP AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE EXCAP, RT, 203.39 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC: 203.39 FAF: LAPMY DIST FAF TO MAP: 5.08 DIST FAF TO THLD: 5.08
- MIN ALT: EXCAP 2600, LAPMY 2300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: OM: MM: IM:
- MIN GP INCPT: GP ALT AT FAF :
- GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:
- MSA FROM: RW20 3000



**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON.

LAPMY TO RW20: 3.00/40.

FAS OBST: 900 AAO 414632N/0864726W.

**MINIMUMS:****TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE: NA  STANDARD - CAT C 900-2 1/2**

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LNAV MDA	1160	1	507	1160	1	507	1160	1 3/8	507		NA				
CIRCLING	1160	1	505	1180	1	525	1500	2 1/2	845		NA				

**CHANGES - REASONS**

1. REMOVED DME/DME RNP 0.3 NA NOTE AND REPLACED WITH PBN EQUIPMENTS NOTE: RNP APCH - UPDATED TO CURRENT CRITERIA PER 8260.19H.
2. REMOVED CHART NOTE: USE SOUTH BEND ALTIMETER SETTING, WHEN NOT RECEIVED USE GARY ALTIMETER SETTING - PRIMARY ALTIMETER LOCAL PER FPT.
3. REMOVED CHART SOUTH BEND ASOS - UPDATED TO CURRENT CRITERIA PER 8260.19H.
4. ADDED CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED - VISUAL SURFACES NOT CLEAR.
5. REMOVED 34:1 IS CLEAR AND REPLACED WITH 34:1 IS NOT CLEAR AND 20:1 IS NOT CLEAR - VISUAL SURFACES NOT CLEAR.
7. INCREASED TCH FROM 30 FEET TO 40 FEET AND DECREASED VDA FROM 3.04 TO 3.00 - UPDATED TO CURRENT CRITERIA PER 8260.30D.
8. ADDED ALTERNATE MINIMUMS STANDARD-CAT C 900-2 1/2 - LOCAL WEATHER ON SERVICE A (WMSCR).
9. CHANGED CAT A CIRCLING MDA/HAA FROM 1240/585 TO 1160/505, CAT B CIRCLING MDA/HAA FROM 1280/625 TO 1180/525 AND CAT C CIRCLING MDA/HAA FROM 1280/625 TO 1500/845 AND CAT C CIRCLING VISIBILITY FROM 1 3/4 SM TO 2 1/2 SM AND ADDED CIRCLING ICON - NEW CONTROLLING OBSTACLES AND NEW CIRCLING AREA RADII APPLIED.
10. CHANGED ALL CATS LNAV MDA/HAT FROM 1240/585 TO 1160/507 AND CHANGED CAT C LNAV VISIBILITY FROM 1 1/2 SM TO 1 3/8 SM - NEW CONTROLLING OBSTACLE AND TERRAIN VERIFIED WITH QUAD CHART, ACCURACY ADJUSTMENT ELIMINATED AND RASS ADJUSTMENT REMOVED.
11. BACKUP ALTIMETER NOTE MOVED TO PART C: GENERAL REMARKS - UPDATED TO CURRENT CRITERIA PER 8260.19H.
12. DISTANCE FROM FAF (LAPMY) TO RWY 20 THLD CHANGED FROM 5.04 NM TO 5.08 NM - FAF MOVED TO ALIGN WITH 3 DEGREE GLIDE SLOPE AND TCH OF 40 FEET.
13. ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI {ANGLE}/TCH {FEET})- VGSI INFORMATION UNKNOWN.



AIRPORT

AIRPORT ID

PROCEDURE NAME

ORIGINAL/AMENDMENT

CITY

STATE

MICHIGAN CITY MUNI-PHILLIPS FIELD

KMGC

RNAV (GPS) RWY 20

1

MICHIGAN CITY

IN

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER: ZAU, SBN APP CON, AMGR

**FLIGHT CHECKED BY**

GLEN B FREEMAN

*Digitally signed by*

**CASIMIR L TABAKA**

Jul 26, 2019

**OFFICE**

FICO

**DATE**

5/11/19

**DEVELOPED BY**

ROBERT G HAMILTON (JAY BAGGETT)

*Digitally signed by*

**CASIMIR L TABAKA**

Jul 26, 2019

**OFFICE**

AJV-A422

**DATE**

12/04/2018

**APPROVED BY**

JULIE MORGAN

*Digitally signed by*

**CASIMIR L TABAKA**

Jul 26, 2019

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER

