

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> BTL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5L	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> BATTLE CREEK	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 952	<u>TDZE</u> 952	<u>SUPERSEDED</u> RNAV (GPS) RWY 5L	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 09/10/2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 4W
				<u>EPOCH YEAR</u> 1985
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RESGY	IAF	WEVSO	NOPT	TF	FB	1.00	070.79	7.59	2500
WEVSO	IF/IAF	ZEMSA		TF	FB	1.00	046.48	6.04	2500
ZEMSA	FAF	RW05L	MAP	TF	FO	0.30	046.54	4.71	
RW05L	MAP	1253 MSL		CA			046.54		
1253 MSL		WIPIL		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT WIPIL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW WEVSO, RT, 046.48 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 046.54 FAF: ZEMSA DIST FAF TO MAP: 4.71 DIST FAF TO THLD: 4.71
4. MIN ALT: WEVSO 2500, ZEMSA 2500
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 301 HAT: 0.79 GS ANT: IM:
6. MIN GP INCPT: 2500 GP ALT AT PFAF: ZEMSA 2500 OM: MM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 48.8
8. MSA FROM: RW05L 3000



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: CIRCLING TO RWY 5R, 23L AND 31 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING AND INCREASE LPV DA TO 1425 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE LNAV/VNAV DA TO 1361 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT C AND D 3/8 SM AND CIRCLING VISIBILITY CAT C AND D 1/2 SM.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING GRAND RAPIDS ALTIMETER SETTING.
CHART NOTE: RWY 5L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 226.72 INBOUND.
CHART FAS OBST: 1072 TREE 421710N/0851646W.
FAS OBST: 1190 AAO 421528N/0851951W.
CHART VDP AT 1.38 NM TO RW05L.
WAAS CHANNEL # 61220
REFERENCE PATH ID: W05A
CHART CIRCLING ICON.
LTP HAE: 256.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD; 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	1317	1	365	1317	1	365	1317	1	365	1317	1	365			
LNAV/VNAV DA	1253	7/8	301	1253	7/8	301	1253	7/8	301	1253	7/8	301			
LNAV MDA	1440	1	488	1440	1	488	1440	1 3/8	488	1440	1 3/8	488			
CIRCLING	1440	1	488	1480	1	528	1520	1 1/2	568	1520	2	568			



CHANGES - REASONS

1. PROFILE LINE 2: ADDED MAX HOLD-IN-LIEU ALTITUDE OF 6000 - 8260.19I, 8-6-7, B(2).
2. PROFILE LINE 5: ADDED "301 HAT: 0.79" - PER 8260.19I 8-6-7E(3).
3. PROFILE LINE 7: ADDED 20:1 IS CLEAR - NO PENETRATIONS EXIST.
4. PBN REQUIREMENTS NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" - PER 8260.19I, 8-6-8B2.
5. CHANGED CHART NOTE FROM "CIRCLING RWY 31 NA AT NIGHT" TO "CIRCLING TO RWY 31 NA AT NIGHT" - UPDATED NOTE TO CORRECT FORMAT.
6. CHANGED CHART NOTE FROM "CIRCLING NA TO RWYS 5R AND 23L" TO "CIRCLING TO RWY 5R, 23L AND 31 NA AT NIGHT" REMOVED CHART NOTE "CIRCLING TO RWY 31 NA AT NIGHT"- RWY 31 HAS 20:1 PENETRATIONS, 5R AND 23L NO RWY MARKINGS.
7. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 37°C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" - PER 8260.19I, 8-6-9(R).
8. CHANGED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING: INCREASE ALL DAS 106 FEET AND ALL LPV AND LNAV/VNAV VISIBILITY 3/8 SM; INCREASE ALL MDAS 120 FEET AND INCREASE LNAV CAT C AND D VISIBILITY 3/8 SM AND CIRCLING CATS C AND D VISIBILITY 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING AND INCREASE LPV DA TO 1425 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE LNAV/VNAV DA TO 1361 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT C AND D 3/8 SM AND CIRCLING VISIBILITY CAT C AND D 1/2 SM" - UPDATED VIS 8260.3E, TABLE 3-3-1.
9. REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RESGY ON V285 SOUTHBOUND AND ON V100 WESTBOUND" - V285 AND V100 NO LONGER EXIST.
10. ADDITIONAL FLIGHT DATA: REMOVED "*"LNAV ONLY" AND "*" FROM "CHART VDP AT 1.38 NM TO RW05L" - NO LONGER REQUIRED BY CURRENT CRITERIA.
11. ADDITIONAL FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 301 HAT: 0.79 NM" - CURRENTLY DOCUMENTED ON PROFILE LINE 5.
12. ADDITIONAL FLIGHT DATA: REMOVED "CHART: ASR" - NO LONGER REQUIRED.
13. CHANGED LPV DA ALL CATS VISIBILITY FROM 1 1/4 SM TO 1 SM - UPDATED VIS 8260.3E, TABLE 3-3-1.
14. CHANGED LNAV/VNAV DA ALL CATS VISIBILITY FROM 1 SM TO 7/8 SM - UPDATED VIS 8260.3E, TABLE 3-3-1.
15. CHANGES FROM P-NOTAMS FOR AMDT 1A, 1B AND 1C INCORPORATED INTO FORM - REQUIRED IAW 8260.19I PARA 8-3-4C(3).

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER:

ZAU, AZO APP CON, BTL ATCT, AMGR.

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by

CASIMIR L TABAKA

Jan 18, 2024

DATE

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by

CASIMIR L TABAKA

Jan 18, 2024

OFFICE

AJV-A432

DATE

07/18/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Jan 18, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER



AIRPORT ID
BTL

PROCEDURE NAME
RNAV (GPS) RWY 5L

ORIGINAL/AMENDMENT
1D

CITY
BATTLE CREEK

STATE
MI

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBTL
RUNWAY	RW05L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	421744.6330N
LTP/FTP LONGITUDE	0851557.5225W
LTP/FTP ELLIPSOIDAL HEIGHT	+02568
FPAP LATITUDE	421857.3725N
FPAP LONGITUDE	0851427.4055W
THRESHOLD CROSSING HEIGHT (TCH)	00048.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	49F251E9
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02901
FPAP ORTHOMETRIC HEIGHT	+02901

