

**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> AZO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> KALAMAZOO	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 874	<u>TDZE</u> 868	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 07/19/2018
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 3W
				<u>EPOCH YEAR</u> 1985
				<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>
WHOOF		COVAV		TF	FO	1.00	173.64	12.66	2800
YURUD	IAF	COVAV	NOPT	TF	FB	1.00	348.84	6.03	2800
COVAV	IF/IAF	EYOLU		TF	FB	1.00	354.15	5.94	2800
EYOLU	FAF	GLEEK/2.70 NM TO RW35		TF	FB	0.30	354.11	3.20	
GLEEK/2.70 NM TO RW35		RW35	MAP	TF	FO	0.30	354.11	2.70	
RW35	MAP	1068 MSL		CA			354.11		
1068 MSL		OSEGO		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT OSEGO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S COVAV, RT, 354.15 INBOUND, 2800 IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 354.11	FAF: EYOLU		DIST FAF TO MAP: 5.90	DIST FAF TO THLD: 5.90	
4. MIN ALT: COVAV 2800, EYOLU 2800, GLEEK/2.70 NM TO RW35 1780					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.46	GS ANT:
6. MIN GP INCPT: 2800	GP ALT AT PFAF: EYOLU		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 53.4		
8. MSA FROM: RW35 3000					

QUALITY
14
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 5, 9, 17, 23, 27 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING BTL ALTIMETER SETTING).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BTL ALTIMETER SETTING AND INCREASE LPV DA TO 1112 FEET; INCREASE LNAV/VNAV DA TO 1308 AND ALL VISIBILITIES TO RVR 4000. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D TO RVR 5000 AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BTL ALTIMETER SETTING.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING BTL ALTIMETER SETTING, INCREASE LNAV CATS C AND D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 174.09 INBOUND.
CHART FAS OBST: 1023 TWR (26-022073) 421336N/0853211W.
CHART VDP AT 1.12 NM TO RW35.
WAAS CHANNEL # 61102
REFERENCE PATH ID: W35A
LTP HAE: 231.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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*	1068	2400	200	1068	2400	200	1068	2400	200	1068	2400	200			
LNAV/VNAV DA	1264	3500	396	1264	3500	396	1264	3500	396	1264	3500	396			
LNAV MDA	1280	2400	412	1280	2400	412	1280	4000	412	1280	4000	412			
CIRCLING	1340	1	466	1340	1	466	1560	2	686	1560	2 1/4	686			

CHANGES - REASONS

1. DECREASED CIRCLING MDA/HAA CATS A AND B FROM 1380/506 TO 1340/466. - TO MATCH ILS OR LOC RWY 35 FLIGHT CHECKED 01/05/2023.
2. INCREASED CIRCLING MDA/HAA CATS C AND D FROM 1480/606 TO 1560/686; VISIBILITY CAT C FROM 1 3/4 TO 2, AND VISIBILITY CAT D FROM 2 TO 2 1/4. - NEW CONTROLLING OBSTACLE; TO REMOVE NOTAM FDC 5/1928.
3. CHANGED TERMINAL ROUTES RNP VALUE WHOOF - COVAV FROM 2.00 TO 1.00. - IAW 8260.58C TABLE 1-2-1.
4. LINE 2: ADDED HOLD-IN-LIEU MAX ALTITUDE 6000. - UPDATED FORMS.
5. REMOVED PBN REQUIREMENTS NOTE: RNP APCH; ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.58C TABLE 1-2-1.
6. UPDATED CHART NOTE: "***RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA" TO "**RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING BTL ALTIMETER SETTING)." - IAW 8260.19J 8-6-12 K(1).
7. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BTL ALTIMETER SETTING AND INCREASE LPV DA TO 1112 FEET; INCREASE LNAV/VNAV DA TO 1308 AND ALL VISIBILITIES TO RVR 4000. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D TO RVR 5000 AND CIRCLING VISIBILITY CATS C AND D 1/4 SM. - TO MATCH OTHER IAPS; PER FPT REQUEST.
8. ADDED CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BTL ALTIMETER SETTING. - IAW 8260.19J 8-6-10 E(8/9).
9. ADDED CHART NOTE: FOR INOPERATIVE ALS WHEN USING BTL ALTIMETER SETTING, INCREASE LNAV CATS C AND D VISIBILITY TO 1 3/8 SM. - NEW EVALUATION COMPLETED; FPT REQUEST BACK-UP ALTIMETER NOTES PUBLISHED.
10. REMOVED ADDITIONAL FLIGHT DATA: CHART: ASR. - NO LONGER REQUIRED.
11. UPDATED CHART VDP AT "1.12 MILES TO RW35*, *LNAV ONLY" TO "1.12 NM TO RW35." – *LNAV ONLY NOT REQUIRED IAW 8260.19J 8-6-10M.
12. REMOVED ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON. - MEMO REMOVAL OF CIRCLING ICONS, DATED 5/15/2025.
13. MINIMUMS: UPDATED FROM "STANDARD" TO "STANDARD - 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" – IAW 8260.3E 3-4-1; 8260.19J 8-6-12.B(4)(MEMO).



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZAU, AZO APP CON, AZO ATCT, AMGR, ST AV DIR

FLIGHT CHECKED BY

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

Digitally signed by
CASIMIR L TABAKA

Jul 24, 2025

OFFICE

OFFICE
AJV-A432

DATE

DATE
06/27/2025

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by
CASIMIR L TABAKA

Jul 24, 2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA

Jul 24, 2025

OFFICE

OFFICE
AJV-A430

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KAZO
RW35
0
0
W35A
421325.4815N
0853252.8645W
+02316
421453.5400N
0853311.4300W
00053.4
F
03.00
106.75
0768
40.0
35.0

CRC REMAINDER

C345B42C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K5
+02646
+02646



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

AIRPORT ID
AZO

PROCEDURE NAME
RNAV (GPS) RWY 35

AMDT NO.
1A

CITY
KALAMAZOO

STATE
MI

AIRPORT ELEVATION
874

FACILITY
RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM WHOOF **TO** COVAV

RNP
1.00

DISTANCE
12.66

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TWR (26-003005)	420624.00N/0853149.00W	1099	250	50	4D	1000				AT701	2800
TERRAIN	420351.00N/0853021.00W	893 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM YURUD **TO** COVAV

RNP
1.00

DISTANCE
6.03

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	420000.00N/0852857.00W	1099	164	98	4E	1000				AT701	2800
TERRAIN	420000.00N/0852857.00W	899 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

QUALITY
14
CHECKED

INTERMEDIATE

FROM

COVAV (IF/IAF)

TO

EYOLU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
1.00	5.94										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TWR (26-003005)	420624.00N/0853149.00W	1099	250	50	4D	1000				AT701	2800
TERRAIN	420351.00N/0853021.00W	893 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

EYOLU

TO

RW35

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.90		DA				200				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				1068

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

EYOLU

TO

RW35

RNP

0.30

DISTANCE

5.90

PAT

MAP

DA

HAT

396

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (26-022073)	421336.43N/0853210.58W	1023	20	3	1A	161				XP80	1264

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP80 TO MAINTAIN CURRENT MINIMUMS.

FINAL: LNAV

FROM

EYOLU

TO

GLEEK/2.70 NM TO RW35

RNP

0.30

DISTANCE

3.20

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	420930.00N/0853118.00W	1079	50	20	2C	250				RA44 DG407	1780

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

GLEEK/2.70 NM TO RW35

TO

RW35

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.70		RW35		412						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TWR (26-022073)	421336.43N/0853210.58W	1023	20	3	1A	250					1280

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

COVAV

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
		P-5									
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TWR (26-001792)	415448.20N/0852224.90W	1245	50	20	2C	1000				AT555	2800
TERRAIN	415236.00N/0852751.00W	959 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LPV

FROM

DA

TO

OSEGO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30							901				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TWR (26-000028)	422711.00N/0853520.00W	1255	250	50	4D	1000					2300
TERRAIN	422606.00N/0853251.00W	1001 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

OSEGO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30							1103				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TWR (26-000028)	422711.00N/0853520.00W	1255	250	50	4D	1000					2300
TERRAIN	422606.00N/0853251.00W	1001 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW35

TO

OSEGO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00										1180	
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TWR (26-000028)	422711.00N/0853520.00W	1255	250	50	4D	1000					2300
TERRAIN	422606.00N/0853251.00W	1001 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TWR (26-022073)	421336.43N/0853210.58W	1.30	466	1023	20	3	1A	300			1340
CATEGORY B											
PWRLN (26-111384)	421309.94N/0853530.76W	1.84	466	1034	20	3	1A	300			1340
CATEGORY C											
TOWER (2025-AGL-4467-OE)	431253.12N/0853635.49W	2.89	686	1199	250	50	4D	300		AC50	1560
CATEGORY D											
TOWER (2025-AGL-4467-OE)	431253.12N/0853635.49W	3.77	686	1199	250	50	4D	300		AC50	1560

CIRCLING REMARKS:

CAT C/D TOWER (2025-AGL-4467-OE) COMPLETION DATE 09/30/2025.

MSA

CENTER

RW35

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (26-000456)	423415.00N/0852809.00W	013	21.1	1956	250	50	4D	1000			3000

MSA REMARKS:

QUALITY
14
CHECKED

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

AZO TOWER, ZAU ARTCC, AZO APP CON

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	AZO	24	AZO		Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	BTL	24	BTL	14.11	Y	44

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KAZO 874, KBTL 952
RA = 43.35.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW09 - MIRL (PCL)		BSC-F	
RW27 - MIRL (PCL)		BSC-F	
RW05 - MIRL (PCL), REIL (PCL), PAPI-4L		NPI-F	
RW23 - REIL (PCL), MIRL (PCL), PAPI-4L		NPI-F	
RW17 - HIRL (PCL), REIL (PCL), PAPI-4L		PIR-G	ROLL OUT
RW35 - MALSR (PCL), HIRL (PCL), PAPI-4L		PIR-G	APPROACH

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	868.2	53.4			3.00	53.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<div>X</div>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<div>X</div>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-19C	+54C	-19C	+13.27C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2013-2017).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 966 HIGH TEMP 1275.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 17
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AIRPORT ID AZO	PROCEDURE NAME RNAV (GPS) RWY 35	AMDT NO. 1A	CITY KALAMAZOO	STATE MI	AIRPORT ELEVATION 874	FACILITY RNAV
20:1						
871 TRAVERSE_WAY (26-068199) 421432.6100N/0853309.8300W (1.35)						
FINAL TYPE	CIRCLING RWY 23					
20:1						
920 TREE (26-060711) 421436.0000N/0853241.9200W (16.78)			927 TREE (26-066299) 421437.7600N/0853239.6900W (11.55)			
970 TOWER (26-001261) 421444.0000N/0853231.0000W (9.11)			908 TREE (26-028461) 421436.1000N/0853242.2400W (5.27)			
923 TREE (26-110419) 421438.0200N/0853239.0000W (4.79)			916 TREE (26-067438) 421438.6500N/0853240.9800W (0.79)			
FINAL TYPE	CIRCLING RWY 27					
20:1						
899 TREE (26-028693) 421359.8400N/0853243.1000W (12.56)			950 TREE (26-110566) 421405.8000N/0853229.3100W (11.73)			
933 TREE (26-110642) 421405.7500N/0853231.7600W (3.95)						
FINAL TYPE	CIRCLING RWY 5					
20:1						
987 TREE (26-097856) 421354.8500N/0853352.0300W (23.74)			933 TREE (26-060817) 421357.1800N/0853334.9300W (23.52)			
940 TREE (26-031375) 421355.9600N/0853336.0500W (23.17)			971 TREE (26-031942) 421356.2000N/0853348.6600W (21.53)			
977 TREE (26-097725) 421355.1500N/0853350.2800W (19.47)			926 TREE (26-096732) 421357.0400N/0853335.4000W (14.77)			
983 TREE (26-060800) 421353.5000N/0853354.3700W (8.69)			923 TREE (26-068807) 421356.1700N/0853335.8100W (7.56)			
976 TREE (26-031392) 421353.5400N/0853352.9300W (5.66)			971 TREE (26-031902) 421353.6000N/0853351.4200W (4.88)			
922 TREE (26-100684) 421356.3700N/0853337.4900W (2.82)			944 TREE (26-063569) 421352.2600N/0853340.2900W (2.65)			
952 TREE (26-111120) 421351.4400N/0853342.3400W (2.27)			922 TREE (26-060727) 421356.1000N/0853337.5300W (1.74)			
946 TREE (26-032228) 421356.9400N/0853347.7600W (1.58)			952 TREE (26-060795) 421351.4900N/0853342.8600W (1.06)			
923 TREE (26-111349) 421355.6800N/0853337.7600W (0.63)			926 TREE (26-060728) 421355.1400N/0853338.1700W (0.6)			
FINAL TYPE	CIRCLING RWY 9					
20:1						
970 TREE (26-031253) 421404.7200N/0853351.9400W (21.88)			953 TREE (26-110411) 421405.1000N/0853348.0300W (19.59)			
962 TREE (26-060678) 421405.0800N/0853351.5300W (15.42)			952 TREE (26-060726) 421404.8800N/0853349.0500W (14.75)			
965 TREE (26-098002) 421358.7300N/0853353.3200W (11.72)			903 POLE (26-022158) 421404.0300N/0853337.1600W (10.48)			
955 TREE (26-031941) 421358.2700N/0853351.0000W (10.45)			930 TREE (26-063481) 421404.8200N/0853344.7200W (9.04)			
936 TREE (26-069472) 421404.8700N/0853347.4500W (4.77)			888 TRAVERSE_WAY (26-031660) 421402.2600N/0853335.7300W (0.87)			
PENETRATIONS REMARKS:						



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

NON-SURVEYED VEGETATION 100 FT AGL.

ACCORDING TO CONSUMERS ENERGY, THE POWER LINES NEAR THE AIRPORT ARE NOT TALLER THAN 100' AGL.

PRIMARY ALTIMETER WITH INOP ALS IS STD INCREASE; NO NOTE PUBLISHED.

FPAP COORDINATES NOT UPDATED TO CURRENT TGS VALUE.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.07
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	351.11
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	5.10
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.39
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	351.11
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN) 421325.48N/0853252.86W

ARP COORDINATES 421403.80N/0853305.60W

RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 35 DISTANCE 0.66 NM

FAF COORDINATES 420735.70N/0853139.26W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

CASIMIR L. TABAKA (BARBARA GORMAN)

OFFICE

AJV-A432

DATE

06/27/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

