

**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> AMN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ALMA	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 754	<u>TDZE</u> 754	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 07/18/2019	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
MBS VOR/DME	IAF	OREYO	NOPT	TF	FB	1.00	272.24	26.73	2800
OREYO	IF/IAF	PAYOT		TF	FB	1.00	185.25	5.97	2400
PAYOT	FAF	KAYEL/2.02 NM TO RW18		TF	FB	0.30	185.25	3.01	
KAYEL/2.02 NM TO RW18		RW18	MAP	TF	FO	0.30	185.25	2.02	
RW18	MAP	1154 MSL		CA			185.25		
1154 MSL		OREYO		DF	FO	1.00			2800

MISSED APPROACH

MAP:

LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 2800 DIRECT OREYO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT**
- SIDE OF COURSE**
- OUTBOUND**
- FT WITHIN**
- MILES OF (IAF)**
- HOLD N OREYO, RT, 185.25 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000.**
- FAC:** 185.25 **FAF:** PAYOT **DIST FAF TO MAP:** 5.03 **DIST FAF TO THLD:** 5.03
- MIN ALT:** PAYOT 2400, KAYEL/2.02 NM TO RW18 1440
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- MIN GP INCPT:** **GP ALT AT FAF:** **OM:** **MM:** **IM:**
- GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS NOT CLEAR **TCH:**
- MSA FROM:** RW18 2900



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MBS VOR/DME AIRWAY RADIALS 212 CW 320.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOP ALTIMETER SETTING: INCREASE ALL MDAS 60 FEET AND VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 870 TREE (26-143430) 431946N/0844057W.
PAYOT TO RW18: 3.00/45.

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
LNAV MDA	1160	1	406	1160	1	406	1160	1 1/8	406		NA				

CHANGES - REASONS

1. REMOVED MOP VOR/DME FEEDER FROM PROCEDURE - MOP VOR/DME DECOMMISSION PER VOR MON PROGRAM.
2. TERMINAL ROUTES: CHANGED OREYO TO PAYOT SEGMENT TYPE FROM IF TO IF/IAF AND DISTANCE FROM 6.04 TO 5.97 - FAF RELOCATED BASED ON GPA/TCH.
3. TERMINAL ROUTES: ADDED KAYEL/2.02 NM TO RW18 SDF - PER CURRENT DOCUMENTATION STANDARDS.
4. TERMINAL ROUTES: CHANGED CA ALTITUDE FROM 1160 TO 1154 - 400FT OVER AIRPORT ELEVATION.
5. REMOVED "WP" FROM MISSED APPROACH INSTRUCTIONS - NO LONGER REQUIRED.
6. PROFILE LINE 2: CHANGED FROM "PROFILE STARTS AT OREYO" TO "HOLD N OREYO, RT, 185.25 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000" - HIL ADDED TO PROCEDURE PER ATC REQUEST.
7. PROFILE LINE 3: CHANGED DIST FAF TO MAP AND DIST FAF TO THLD FROM 4.96 TO 5.03 - FAF RELOCATED BASED ON GPA/TCH.
8. PROFILE LINE 4: CHANGED MIN ALT FROM "OREYO 2800, PAYOT 2400, KAYEL/2.00 NM TO RW18 1440" TO "PAYOT 2400, KAYEL/2.02 NM TO RW18 1440" - HIL AT OREYO, SDF RELOCATED BASED ON GPA/TCH.
9. PROFILE LINE 7: CHANGED 34:1 FROM "IS CLEAR" TO "IS NOT CLEAR" AND ADDED "20:1 IS NOT CLEAR" - PENETRATIONS EXIST.
10. PROFILE LINE 8: CHANGED MSA FROM " RW18 2800" TO "RW18 2900" - NEW CONTROLLING OBSTACLE.
11. PBN REQUIREMENTS NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" - PER 8260.19J, PER 8-6-8D(2).
12. ADDED "CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - PENETRATIONS EXIST.
13. ADDED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOP ALTIMETER SETTING: INCREASE ALL MDAS 60 FEET AND VISIBILITY CAT C 1/4 SM" - PER 8260-19J, PARA 8-6-10F(4).
14. ADDITIONAL FLIGHT DATA: CHANGED FAS OBST FROM "855 TREE 4321091844124" TO "870 TREE (26-143430) 431946N/0844057W" - NEW CONTROLLING OBSTACLE.
15. ADDITIONAL FLIGHT DATA: CHANGED FROM "PAYOT TO RW18: 3.04/45" TO "PAYOT TO RW18: 3.00/45" - FAF ALLIGNED TO FAC FOR 3.00 VDA.
16. ADDITIONAL FLIGHT DATA: REMOVED "FINAL SEGMENT (TF)" - DOCUMENTED IN TERMINAL ROUTES.
17. ADDITIONAL FLIGHT DATA: REMOVED "CHART VDP AT 1.12NM TO RW18" - 20:1 PENETRATIONS EXIST.
18. ADDITIONAL FLIGHT DATA: REMOVED "HOLD N, RT, 185.25 INBOUND" - MA HOLDING SAME AS HIL DOCUMENTED ON PROFILE LINE 2.
19. CHANGED ALTERNATE MINS FROM NA TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - PRIMARY ALTIMETER LOCAL AND BACK-UP ALTIMETER AVAILABLE.
20. CHANGED LNAV CAT C VISIBILITY FROM 1 1/4 SM TO 1 1/8 SM - PER 8260.3F, CHAPTER 3 VISIBILITY, TABLE 3-3-1.
21. CHANGES FROM P-NOTAM 9/5042 FOR ORIG A ABBREVIATED AMENDMENT INCORPORATED INTO FORM - REQUIRED IAW 8260.19J, 8-3-4C(3).
22. TERMINAL ROUTES: ADDED "NOPT" TO FIX TYPE FOR THE MBS VOR/DME TO OREYO SEGMENT - NO PROCEDURE TURN ALLOWED PER CRITERIA.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: APT MGR, SAGINAW APP/DEP, ZOB ARTCC, ZMP ARTCC.

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

JOSEPH L. ZEDER (SILVIA YOUNG)

OFFICE

AJV-A432

DATE

09/12/2024

APPROVED BY

JOSEPH L. ZEDER

OFFICE

AJV-A432

DATE

TITLE

MANAGER



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
AMN	RNAV (GPS) RWY 18	1	ALMA	MI	754	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM MBS VOR/DME **TO** OREYO

RNP 1.00 **DISTANCE** 26.73 **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>
TOWER (26-000632)	433057.60N/0843244.90W	1739	50	50	2D	1000					2800
TERRAIN	433148.00N/0844303.00W	807 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM OREYO (IF/IAF) **TO** PAYOT

RNP 1.00 **DISTANCE** 5.97 **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>
WINDMILL (26-116647)	433023.51N/0844303.53W	1279	250	50	4D	500				AT621	2400
TERRAIN	432645.00N/0844400.00W	843 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: LNAV

FROM

PAYOT

TO

KAYEL/2.02 NM TO RW18

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.01										
<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	432406.00N/0844115.00W	1008	215	8	4B	250				RA60 DG122	1440

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

KAYEL/2.02 NM TO RW18

TO

RW18

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.02		RW18		406						
<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>
TREE (26-143430)	431946.07N/0844057.08W	870	20	3	1A	250				XP40	1160

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP40 TO MAINTAIN CURRENT PUBLISHED MINIMUMS.

HOLD-IN-LIEU OF PT

FROM

OREYO

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<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>
TOWER (26-000371)	433433.58N/0844628.67W	1352	20	50	1D	1000				AT448	2800
TERRAIN	433221.00N/0844845.00W	885 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW18

TO

OREYO

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1060			
<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				2800
WINDMILL (26-170287)	431633.61N/0844708.35W	1309	250	50	4D	1000					2400
TERRAIN	432430.00N/0844751.00W	892 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MSA

CENTER
RW18

RADIUS
25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TOWER (26-003264)	431331.10N/0840432.90W	107	27.6	1850	50	50	2D	1000			2900

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

LAN FSS, MBS APP CON, ZOB ARTCC

<u>WX SERVICE</u> AWOS-3P	<u>LOCATION</u> AMN	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> AMN	<u>DISTANCE</u> 0	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> MOP	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> MOP	<u>DISTANCE</u> 18.10	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 42

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KAMN 754, KMOP 755
RA = 41.8.

<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 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)	NPI-F		
RW18 - MIRL (PCL)	NPI-F		
RW27 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-F		
RW36 - MIRL (PCL)	NPI-F		

<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>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LNAV RWY 18
20:1	
824 TREE (26-042116) 431941.1500N/0844127.2500W (28.01)	842 TREE (26-042295) 431947.2700N/0844129.2400W (15.06)
845 TREE (26-036701) 431948.1100N/0844120.6300W (13.66)	837 TREE (26-144152) 431946.9400N/0844119.7000W (11.57)
842 TREE (26-143357) 431948.6200N/0844118.7000W (8.05)	814 TREE (26-042296) 431943.1900N/0844119.2700W (7.55)



AIRPORT ID		PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
AMN		RNAV (GPS) RWY 18	1	ALMA	MI	754	RNAV
809 TREE (26-042293) 431942.3800N/0844126.5300W (6.77)				834 TREE (26-143607) 431947.6000N/0844118.4000W (5.21)			
803 TREE (26-098785) 431941.5100N/0844125.0700W (5.15)				835 TREE (26-098962) 431947.8400N/0844124.6600W (5.1)			
808 TREE (26-034962) 431942.6400N/0844120.7200W (4.36)				821 TREE (26-143413) 431945.4400N/0844118.8600W (3.15)			
837 TREE (26-144025) 431948.7200N/0844122.5900W (2.61)				829 TREE (26-042134) 431947.3400N/0844123.1700W (1.6)			
834 TREE (26-144293) 431948.5900N/0844126.1800W (0.32)							
FINAL TYPE	LNAV RWY 18						
34:1							
838 TREE (26-042120) 431949.6800N/0844123.4600W (34.19)				844 TREE (26-143017) 431952.1100N/0844129.1100W (33.01)			
832 TREE (26-144373) 431948.9100N/0844126.9300W (30.52)				841 TREE (26-143403) 431952.4100N/0844125.0600W (29.07)			
828 TREE (26-143339) 431948.2800N/0844122.9100W (28.35)				829 TREE (26-144522) 431948.7600N/0844122.9700W (27.92)			
839 TREE (26-143934) 431952.1900N/0844124.7700W (27.73)				829 TREE (26-035830) 431948.8400N/0844125.5700W (27.71)			
843 TREE (26-042119) 431953.6100N/0844126.9000W (27.52)				828 TREE (26-042118) 431948.6200N/0844127.1400W (27.38)			
828 TREE (26-144274) 431948.6700N/0844127.6000W (27.24)				829 TREE (26-143733) 431949.0400N/0844122.5400W (27.09)			
841 TREE (26-144119) 431953.1100N/0844125.5700W (27)				828 TREE (26-143421) 431948.8300N/0844127.3100W (26.76)			
832 TREE (26-143419) 431950.1900N/0844127.0400W (26.7)				828 TREE (26-143159) 431948.9300N/0844129.0800W (26.48)			
829 TREE (26-143760) 431949.4100N/0844123.2500W (25.99)				835 TREE (26-143874) 431951.4500N/0844123.0900W (25.91)			
826 TREE (26-144561) 431948.4800N/0844123.6000W (25.76)				839 TREE (26-143095) 431952.8700N/0844126.9900W (25.72)			
836 TREE (26-143918) 431951.9500N/0844124.1400W (25.44)				826 TREE (26-143640) 431948.6900N/0844124.4700W (25.15)			
840 TREE (26-143388) 431953.4600N/0844126.4400W (24.96)				839 TREE (26-143287) 431953.1800N/0844124.1800W (24.77)			
835 TREE (26-143965) 431951.8900N/0844125.1600W (24.62)				836 TREE (26-143856) 431952.2300N/0844125.8500W (24.62)			
832 TREE (26-144386) 431950.9100N/0844125.7600W (24.55)				823 TREE (26-143731) 431948.1800N/0844126.3000W (23.68)			
824 TREE (26-144255) 431948.6700N/0844123.8200W (23.2)				825 TREE (26-143245) 431949.0600N/0844123.3500W (23.03)			
832 TREE (26-042136) 431951.4300N/0844124.4400W (22.99)				832 TREE (26-143315) 431951.4500N/0844125.3100W (22.94)			
836 TREE (26-144103) 431952.8900N/0844126.4900W (22.66)				837 TREE (26-143288) 431953.2400N/0844124.7400W (22.6)			
827 TREE (26-144091) 431949.8900N/0844118.8900W (22.52)				838 TREE (26-144440) 431953.7000N/0844125.6100W (22.24)			
829 TREE (26-042083) 431950.7800N/0844121.8000W (21.9)				835 TREE (26-042133) 431952.8500N/0844125.9300W (21.77)			
830 TREE (26-042124) 431951.1800N/0844127.5000W (21.76)				830 TREE (26-142940) 431951.2300N/0844127.2000W (21.61)			
820 TREE (26-144224) 431947.9400N/0844120.8300W (21.35)				806 TREE (26-036698) 431943.4900N/0844126.5000W (20.65)			
821 TREE (26-143216) 431948.5500N/0844119.8000W (20.52)				810 TREE (26-144443) 431944.9500N/0844119.9700W (20.24)			
822 TREE (26-143059) 431949.1400N/0844121.7400W (19.78)				816 TREE (26-144385) 431947.1300N/0844120.0700W (19.75)			
822 TREE (26-099120) 431949.2200N/0844129.0500W (19.61)				828 TREE (26-143729) 431951.3900N/0844126.9800W (19.13)			
829 TREE (26-143417) 431951.7400N/0844125.7700W (19.08)				829 TREE (26-042122) 431951.7500N/0844128.8500W (19.08)			
832 TREE (26-144584) 431952.7600N/0844123.5700W (19.02)				813 TREE (26-143803) 431946.6000N/0844119.8300W (18.33)			
819 TREE (26-144258) 431948.9000N/0844119.7400W (17.48)				823 TREE (26-143143) 431950.2900N/0844122.4900W (17.36)			
819 TREE (26-144026) 431948.9800N/0844123.7300W (17.28)				821 TREE (26-143559) 431949.6600N/0844122.0800W (17.24)			

QUALITY

20

3



<u>AIRPORT ID</u> AMN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>AMDT NO.</u> 1	<u>CITY</u> ALMA	<u>STATE</u> MI	<u>AIRPORT ELEVATION</u> 754	<u>FACILITY</u> RNAV
823 TREE (26-042123) 431950.4800N/0844129.0800W (16.86)			824 TREE (26-143027) 431950.8400N/0844127.2900W (16.77)			
820 TREE (26-098641) 431949.4800N/0844118.4600W (16.74)			805 TREE (26-036704) 431944.6200N/0844119.4800W (16.22)			
819 TREE (26-144432) 431949.3800N/0844121.0600W (16.06)			827 TREE (26-144567) 431952.0900N/0844127.0200W (16.05)			
800 TREE (26-036697) 431943.0700N/0844125.1900W (15.89)			819 TREE (26-143704) 431949.5300N/0844121.6700W (15.62)			
812 TREE (26-036700) 431947.2100N/0844127.4700W (15.58)			814 TREE (26-143450) 431947.9000N/0844119.7300W (15.45)			
809 TREE (26-042135) 431946.3000N/0844120.8700W (15.23)			821 TREE (26-042146) 431950.4400N/0844117.9300W (14.87)			
819 TREE (26-143394) 431949.7900N/0844119.5900W (14.82)			827 TREE (26-143509) 431952.5400N/0844127.2700W (14.71)			
814 TREE (26-144362) 431948.2000N/0844121.5500W (14.58)			824 TREE (26-143933) 431951.6400N/0844122.4200W (14.34)			
814 TREE (26-144218) 431948.3800N/0844120.8500W (14.04)			808 TREE (26-036705) 431946.3900N/0844119.1300W (13.94)			
817 TREE (26-143455) 431949.5400N/0844124.1500W (13.61)			842 TREE (26-143374) 431957.9900N/0844125.6000W (13.46)			
815 TREE (26-144248) 431948.9700N/0844120.5500W (13.28)			817 TREE (26-143383) 431949.7300N/0844120.1600W (13.01)			
820 TREE (26-144106) 431950.7700N/0844124.7800W (12.96)			817 TREE (26-143973) 431949.7800N/0844126.6300W (12.92)			
824 TREE (26-042132) 431952.3300N/0844127.5600W (12.34)			807 TREE (26-042121) 431946.6500N/0844125.6900W (12.23)			
818 TREE (26-144403) 431950.4200N/0844127.8900W (12.03)			812 TREE (26-144434) 431948.4700N/0844121.5300W (11.77)			
797 TREE (26-143146) 431943.4600N/0844120.0500W (11.68)			803 TREE (26-043919) 431945.5100N/0844127.7000W (11.65)			
817 TREE (26-143048) 431950.2300N/0844129.1100W (11.61)			828 TREE (26-143567) 431953.9800N/0844128.7200W (11.43)			
823 TREE (26-143611) 431952.3500N/0844123.1600W (11.24)			815 TREE (26-036706) 431949.7500N/0844121.0700W (10.96)			
814 TREE (26-144143) 431949.5700N/0844127.2000W (10.55)			794 TREE (26-144273) 431943.0200N/0844120.1300W (9.99)			
826 TREE (26-143750) 431953.8600N/0844126.9500W (9.78)			791 TREE (26-144511) 431942.4200N/0844120.3300W (8.78)			
814 TREE (26-144222) 431950.1800N/0844120.3500W (8.67)			787 TREE (26-042294) 431941.1700N/0844121.8400W (8.52)			
796 TREE (26-036703) 431944.2300N/0844122.2200W (8.41)			815 TREE (26-142987) 431950.6300N/0844126.2800W (8.39)			
813 TREE (26-143330) 431950.0000N/0844121.3200W (8.22)			824 TREE (26-144539) 431954.1100N/0844127.7600W (7.04)			
819 TREE (26-142979) 431952.4400N/0844123.9000W (6.97)			795 TREE (26-143241) 431944.4700N/0844120.2400W (6.67)			
811 TREE (26-144157) 431950.1500N/0844117.4000W (5.73)			812 TREE (26-142914) 431950.5900N/0844119.8300W (5.44)			
841 TREE (26-143225) 432000.3500N/0844118.9000W (5.37)			821 TREE (26-142988) 431953.9700N/0844126.2700W (4.44)			
791 TREE (26-035831) 431944.0500N/0844124.2500W (3.96)			820 TREE (26-144328) 431953.8600N/0844127.6400W (3.78)			
811 TREE (26-143888) 431950.8400N/0844122.2200W (3.72)			783 TREE (26-042291) 431941.4900N/0844120.5500W (3.55)			
849 TREE (26-143422) 432003.6900N/0844116.8900W (3.41)			834 TREE (26-144155) 431958.6900N/0844127.8700W (3.4)			
820 TREE (26-144169) 431954.0900N/0844126.0300W (3.08)			812 TREE (26-042145) 431951.4100N/0844118.5000W (2.99)			
790 TREE (26-142939) 431944.1200N/0844119.9100W (2.71)			818 TREE (26-143887) 431953.6000N/0844128.1400W (2.56)			
808 TREE (26-143435) 431950.3900N/0844121.2000W (2.05)			809 TREE (26-143866) 431950.7400N/0844121.4700W (2.01)			
833 TREE (26-143587) 431958.8800N/0844127.3200W (1.83)			837 TREE (26-042089) 432000.2200N/0844118.5300W (1.75)			
831 TREE (26-036694) 431958.3400N/0844127.0600W (1.44)			806 TREE (26-143082) 431950.3100N/0844124.3400W (0.32)			
813 TREE (26-143772) 431952.6700N/0844122.4100W (0.28)						
<u>PENETRATIONS REMARKS:</u>						



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.
VDP NOT ESTABLISHED - DUE TO 20:1 PENETRATIONS.
100FT VEGETATION USED PER FPT.

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	3.03
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.50
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	180.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	4.83
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	180.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN)431930.71N/0844123.81W

ARP COORDINATES431919.71N/0844116.58W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

FAF COORDINATES432432.55N/0844121.98W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

JOSEPH L. ZEDER (SILVIA YOUNG)

OFFICE

AJV-A432

DATE

09/12/2024

TITLE

AERONAUTICAL INFORMATION SPECIALIST

