

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.29**

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> KMBL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 28	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MANISTEE	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 621	<u>TDZE</u> 621	<u>SUPERSEDED</u> ILS OR LOC RWY 28	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 06/17/2021	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> I-MBL	<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>
JANUP/MBL 12.00 DME/RADAR	IF	JEPOT LOM/MBL 4.79 DME					277.44	7.21 (I-MBL)	2000

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 3.92 NM AFTER JEPOT LOM/MBL 4.79 DME OR AT MBL 0.88 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2500 DIRECT JEPOT LOM/MBL 4.79 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)	
2. PROFILE STARTS AT JANUP						
3. FAC:	277.44	FAF: JEPOT LOM/MBL 4.79 DME	DIST FAF TO MAP: 3.92		DIST FAF TO THLD: 3.92	
4. MIN ALT:	JANUP/MBL 12.00 DME/RADAR 2800, JEPOT LOM/MBL 4.79 DME 2000, FATEV/MBL 2.42 DME 1160					
5. DIST TO THLD FROM OM:	3.92	MM:	IM:	150 HAT:	GS ANT: 960	
6. MIN GS INCPT:	2000	GS ALT AT FAF :		OM: 1921	MM:	IM:
7. GP ANGLE:	3.00	34:1:	20:1:	TCH:	50.2	
8. MSA FROM:	MB LOM 040-140 3600, 140-040 2500					

**EQUIPMENT REQUIREMENTS NOTES:**

ADF REQUIRED FOR MISSED APPROACH.  
RADAR REQUIRED FOR PROCEDURE ENTRY.  
DME OR RADAR REQUIRED.



**NOTES:**

CHART NOTE: CIRCLING RWY 1, 19 NA AT NIGHT.

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

CHART NOTE: FOR INOPERATIVE ALS, INCREASE FATEV FIX MINIMUMS S-LOC 28 CAT C AND D VISIBILITY TO 1 SM.

CHART NOTE: DME FROM MBL DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-MBL AND MBL DME.

**ADDITIONAL FLIGHT DATA:**

FAS OBST: 902 AAO 441543N/0860800W.

HOLD E, RT, 277.44 INBOUND.

CHART FAS OBST: 742 TREE (26-147243) 441621N/0861253W.

CHART VDP AT 1.92 DME

DISTANCE VDP TO THLD 1.04 NM.

CHART CIRCLING ICON.

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT C 800-2 1/4, CAT D 900-3, 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
S-ILS 28	821	1/2	200	821	1/2	200	821	1/2	200	821	1/2	200			
S-LOC 28	1160	1/2	539	1160	1/2	539	1160	1	539	1160	1	539			
CIRCLING	1160	1	539	1220	1	599	1400	2 1/4	779	1520	3	899			
FATEV FIX MINIMUMS															
S-LOC 28	1000	1/2	379	1000	1/2	379	1000	5/8	379	1000	5/8	379			
CIRCLING	1160	1	539	1220	1	599	1400	2 1/4	779	1520	3	899			

**CHANGES - REASONS**

1. DELETED FEEDER FROM MBL VOR/DME TO JEPOT LOM - MBL VOR/DME VOR MON PROJECT CONVERTING FACILITY TO DME.
2. DELETED IAF'S FROM CEMOB TO JANUP, FARUB TO JANUP AND FOXEX TO JANUP AND ASSOCIATED INFORMATION - MBL VOR MON.
3. CHANGED (IF) JANUP/MBL VOR/DME 12.00 DME TO JANUP/MBL 12.00 DME/RADAR - MBL VOR MON.
4. CHANGED ALL REFERENCE TO MBL VOR/DME TO MBL DME - MBL VOR MON.
5. DELETED PRIMARY MISSED APPROACH - MBL VOR MON.
6. CHANGED ALTERNATE MISSED APPROACH TO PRIMARY MISSED APPROACH AND MISSED APPROACH INSTRUCTION FROM CLIMB TO 1600, THEN CLIMBING RIGHT TURN TO 2500 DIRECT JEPOT LOM AND HOLD TO CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2500 DIRECT JEPOT LOM/MBL 4.79 DME AND HOLD.- MBL VOR MON AND CLIMB-IN-HOLD REQUIREMENTS WITH HIGH TERRAIN NORTH OF THE AIRPORT.
7. UPDATED FAS OBST FROM 735 TREE TO 742 TREE - UPDATED SURVEY.
8. ADDED TO ADDITIONAL FLIGHT DATA: FAS OBST: 902 AAO 441543N/0860800W - IAW 8260.19, PARA 8-6-10 E AND 8260.3 CHAPTER 2.
9. DELETED HOLD-IN-LIEU AT JEPOT LOM FROM LINE 2 AND REPLACED IT WITH PROFILE STARTS AT JANUP - DELETED FEEDER SEGMENT FROM MBL VOR/DME TO JEPOT LOM.
10. ADDED TO LINE 4 JANUP/MBL 12.00 DME/RADAR 2800 AND REMOVED "" FROM FATEV/MBL 2.42 DME 1160 - DELETED HOLD-IN-LIEU AT JEPOT LOM AND "" NO LONGER REQUIRED.
11. UPDATED LINE 6 ALTITUDE AT OM FROM 1934 TO 1921 - UPDATED TARGETS CALCULATIONS.
12. CHANGED MSA FROM MBL VOR/DME TO MB LOM AND SECTORS FROM 040-135 AND 135-040 TO 040-140 AND 140-040 - MBL VOR MON.
13. UPDATED CIRCLING CAT B MINIMUMS FROM MDA/HAA 1200/579 TO 1220/599 AND CAT D FROM MDA/HAA 1500/879 TO 1520/899 AND VISIBILITY FROM 2 3/4 TO 3 MILES - UPDATED OBSTACLE SURVEY.
14. UPDATED FATEV FIX MINIMUMS FOR CIRCLING FROM CAT A MDA/HAA 1140/519 TO 1160/539, CAT B FROM 1200/579 TO 1220/599 AND CAT D FROM 1500/879 VISIBILITY 2 3/4 TO 1520/899 VISIBILITY 3 SM - UPDATED OBSTACLE SURVEY.
15. ADDED EQUIPMENT REQUIREMENTS NOTES ADF REQUIRED FOR MISSED APPROACH, RADAR REQUIRED FOR PROCEDURE ENTRY AND DME OR RADAR REQUIRED AND DELETED CHART PLANVIEW NOTE: ADF OR DME REQUIRED - IAW 8260.19 PARA, 8-6-8 A.
16. UPDATED CHART PROFILE NOTE FROM VGSI AND ILS GLIDEPATH NOT COINCIDENT TO VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - IAW 8260.19 PARA 8-6-9 M (1).
17. ADDED TO ADDITIONAL FLIGHT DATA: CHART VDP AT 1.92 DME DISTANCE VDP TO THLD 1.04 NM - IAW 8260.19 PARA 8-6-10 M.
18. UPDATED CHART NOTE FROM NIGHT LANDING: RWY 1/19 NA TO CIRCLING RWY 1, 19 NA AT NIGHT - IAW 8260.19 PARA 8-6-11 O (2) (G).
19. ADDED CHART NOTE: FOR INOPERATIVE ALS, INCREASE FATEV FIX MINIMUMS S-LOC 28 CAT C AND D VISIBILITY TO 1 SM - INOPERATIVE TABLE DOES NOT PROVIDE SUFFICIENT INCREASE TO MINIMUMS.
20. DELETED BACKUP ALTIMETER NOTES AND RELOCATED NOTES ON 8260-9 FORM - AIRPORT WEATHER ON WMSCR.
21. ADDED ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT C 800-2 1/4, CAT D 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE - IAW 8260.19, PARA 8-6-11 B.
22. ADDED CHART NOTE: DME FROM MBL DME. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-MBL AND MBL DME - IAW 8260.19, PARA 8-6-9 K NON-PAIRED DME FREQUENCY.
23. DELETED FROM ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E JEPOT LOM/MBL VOR/DME 4.79 DME, RT, 277.44 INBOUND - VOR MON AND ALTERNATE MISSED APPROACH IS PRIMARY MISSED APPROACH.
24. DELETED FROM ADDITIONAL FLIGHT DATA: CHART MBL R-057 AT CEMOB, MBL R-156 AT FARUB AND MBL R-177 AT FOXEX - MBL VOR MON.
25. DELETED FROM ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: JEPOT LOM/MBL VOR/DME 4.79 DME - MBL VOR MON AND JEPOT LOM CHANGING TO PRIMARY MISSED APPROACH.
26. ADD THE ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON - IAW 8260.19, PARA 8-6-10 S.
27. DELETED FROM NOTES: \*LOC ONLY - IAW 8260.19, PARA 8-6-10 M.
28. LINE 4 CHANGED JEPOT LOM 2000 TO JEPOT LOM/MBL 4.79 DME 2000 - CORRECTED DOCUMENTATION ERROR.

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☐ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, AIRPORT MANAGER

*Digitally signed by*

**FLIGHT CHECKED BY****DONALD H LANIER****OFFICE****DATE**

JAMES ONIEAL

Sep 15, 2021

FPO

09/08/2021

**DEVELOPED BY**

*Digitally signed by*

**FRANK JACKSON****OFFICE****DATE**

FRANK JACKSON JR

Aug 16, 2021

AJV-A431

07/28/2021

**APPROVED BY**

*Digitally signed by*

**DONALD H LANIER****OFFICE****DATE**

LONNIE EVERHART

Sep 15, 2021

AJV-A430

**TITLE**  
MANAGER

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KMBL	ILS OR LOC RWY 28	2	MANISTEE	MI	621	I-MBL

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM  
JANUP/MBL 12.00 DME/RADAR

TO  
JEPOT LOM/MBL 4.79 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	7.21											
<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	441948.00N/0855706.00W		1247	164	98	4E	500				AC98 AT155	2000
TERRAIN	441951.00N/0855936.00W		862 (900)								AS1000	1900

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: ILS

FROM  
GP INTCP

TO  
RW28

<u>RNP</u>	<u>DISTANCE</u> 4.17	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200			<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>
								ASC				821

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: LOC

FROM  
JEPOT LOM/MBL 4.79 DME

TO  
FATEV/MBL 2.42 DME

RNP	DISTANCE 2.37	PAT	MAP	HAT 539	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	441548.00N/0860915.00W		893	50	20	2C	250					1160

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

FINAL: LOC STEPDOWN

FROM  
FATEV/MBL 2.42 DME

TO  
3.92 NM AFTER JEPOT LOM/MBL 4.79 DME OR AT MBL 0.88 DME

RNP	DISTANCE 1.55	PAT	MAP 3.92 NM AFTER JEPOT LOM/MBL 4.79 DME OR AT MBL 0.88 DME	HAT 379	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (26-147243)	441620.51N/0861252.54W		742	20	3	1A	250					1000

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



MISSED APPROACH : ILS

FROM

DA

TO

JEPOT LOM/MBL 4.79 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							656				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2500
TOWER (26-002232)	442406.00N/0861031.00W	1269	100	3	3A	1000					2300
TERRAIN	442318.00N/0861303.00W	987 (1000)								AS1500	2500

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

MISSED APPROACH : LOC

FROM

3.92 NM AFTER JEPOT LOM/MBL 4.79 DME OR AT MBL 0.88 DME

TO

JEPOT LOM/MBL 4.79 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							750				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2500
TOWER (26-002232)	442406.00N/0861031.00W	1269	100	3	3A	1000					2300
TERRAIN	442318.00N/0861303.00W	987 (1000)								AS1500	2500

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
TREE (26-146599)	441714.85N/0861243.79W	1.30	539/539	841	20	10	1B	300			1160/1160
CATEGORY B											
TREE (26-147687)	441753.84N/0861325.33W	1.83	599/599	915	20	10	1B	300			1220/1220
CATEGORY C											
TOWER (26-025212)	441859.86N/0861339.29W	2.87	779/779	1089	20	10	1B	300			1400/1400
CATEGORY D											
AAO	441937.19N/0861208.96W	3.75	899/899	1204	50	20	2C	300			1520/1520

CIRCLING REMARKS:  
CAT D TERRAIN IS 306 METERS, 1 METER = 3.2808 FEET, 308 X 3.2808 = 1003.92 FEET ROUNDED TO 1004 + 200 (AAO) = 1204 AAO.

MSA

CENTER  
MB LOM

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
040-140	TOWER (26-000204)	441633.00N/0854249.00W	095	18.5	2549	500	125	5E	1000			3600
140-040	TOWER (26-001727)	435850.00N/0855023.00W	149	21.8	1489	50	20	2C	1000			2500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:  
ALTERNATE MISSED APPROACH NOT DEVELOPED DUE TO MBL VOR MON PROJECT AND NO SUITABLE NAVAIDS AND PER ATC/FPT. ALTERNATE MISSED APPROACH IS NOW THE PRIMARY MISSED APPROACH.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZMP ARTCC, LAN FSS

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> KMBL	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u> KMBL	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KLDM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KLDM	<u>DISTANCE</u> 19.855	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 50

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KMBL 621.4, KLDM 646.4  
RA = 49.2  
RASS PRESSURE PATTERNS THE SAME  
KMBL 621.4, KLDM 646.4  
RA = 49.2.

<u>PRIMARY NAVAID</u> I-MBL	<u>MONITOR POINT</u> MOCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW1 - MIRL (PCL), PAPI-2L (PCL)		BSC-G	
RW19 - MIRL (PCL), PAPI-2L (PCL)		BSC-G	
RW10 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)		PIR-G	
RW28 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)		PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 621.3	<u>TCH</u> 50.2	<u>ELEV GS ANTENNA</u> 617.4	<u>DISTANCE FROM RWY</u> 960	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 45.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	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	CIRCLING RWY 1:		
20:1			
20:1	668 TREE (26-146978) 441558.36N/0861504.33W (20.06)		
662 TREE (26-146482) 441559.29N/0861509.58W (18.29)	658 TREE (26-147893) 441559.93N/0861510.70W (17.43)		
664 TREE (26-146182) 441558.64N/0861508.18W (17.13)	634 TREE (26-146739) 441604.20N/0861510.25W (15.09)		
655 TREE (26-146331) 441559.94N/0861506.45W (14.87)	662 TREE (26-146855) 441558.08N/0861506.00W (12.49)		
656 TREE (26-147960) 441559.15N/0861507.29W (11.79)	648 TREE (26-146944) 441600.60N/0861507.33W (11.13)		
650 TREE (26-146258) 441559.91N/0861507.85W (9.59)	652 TREE (26-146304) 441559.43N/0861504.86W (9.43)		
660 TREE (26-147189) 441557.42N/0861504.56W (7.28)	626 VEGETATION (26-029639) 441603.92N/0861506.37W (6.02)		
Final Type	CIRCLING RWY 19:		
20:1			
20:1	687 TREE (26-146218) 441645.10N/0861510.90W (18.78)		
747 TREE (26-146842) 441657.66N/0861458.77W (14.11)	741 TREE (26-146698) 441657.88N/0861500.74W (7.17)		
793 TREE (26-147065) 441708.41N/0861514.95W (7.16)	746 TREE (26-146663) 441659.45N/0861505.61W (4.67)		
794 TREE (26-147172) 441709.17N/0861515.53W (4.37)	736 TREE (26-147433) 441657.50N/0861502.81W (4.28)		
738 TREE (26-147179) 441658.01N/0861504.59W (3.86)	678 TREE (26-146423) 441646.64N/0861509.96W (1.9)		
668 TREE (26-029606) 441644.71N/0861510.86W (1.75)	632 TRAVERSE_WAY (26-096133) 441637.82N/0861504.70W (0.07)		

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.

VEGETATION HEIGHT 100 FT PER FPT.

CONTINGENCY NOTES: WHEN LOCAL SETTING NOT RECEIVED, USE LUDINGTON ALTIMETER SETTING AND INCREASE S-ILS 28 DA TO 871 FEET AND ALL MDA 60 FEET; INCREASE VISIBILITY S-LOC 28 CAT C/D AND CIRCLING CAT C 1/4 SM. FATEV FIX MINIMUMS: INCREASE VISIBILITY S-LOC 28 CAT C AND D VISIBILITY 1/8 SM, AND CIRCLING CAT C 1/4 SM. FATEV/MBL 2.42 DME, 1220 WHEN USING LUDINGTON ALTIMETER SETTING. VDP NA WHEN USING LUDINGTON ALTIMETER SETTING.

**PART B: SUPPLEMENTAL DATA**

PRIMARY NAVAID: MBL DME MONITOR POINT: MOCC HRS OPERATION: 24 CAT: 1.

ORDER 8260.3 CHAPTER 2 APPLIED TO 902 AAO 441543.00N/0860800.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

<b>AIRPORT ID</b> KMBL	<b>PROCEDURE NAME</b> ILS OR LOC RWY 28	<b>AMDT NO.</b> 2	<b>CITY</b> MANISTEE	<b>STATE</b> MI	<b>AIRPORT ELEVATION</b> 621	<b>FACILITY</b> I-MBL
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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	2.92
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.85
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	271.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	700
DISTANCE FROM	THLD	TO 1500FT POINT	10.33
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	271.44
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD  
COORDINATES  
(IF STR-IN)

441620.80N/0861401.82W

ARP COORDINATES

441620.87N/0861448.84W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 28 DISTANCE 0.56 NM

FAF  
COORDINATES

441614.77N/0860834.31W

FIX NAME  
COORDINATES

REMARKS

ADDITIONAL AIRSPACE REQUIRED TO ENCOMPASS THE MISSED APPROACH HOLDING AREA. MISSED APPROACH HOLDING FIX JEPOT LOM 441614.77N/0860834.31W, HOLDING PATTERN 4, RT. TRUE COURSE 271.44 INBOUND.

QUALITY  
29  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

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