

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, 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 in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAKAF						
WATERVILLE VOR/DME (IF/IAF)		TAINT (TF) (FB) (RNP 1.00)		004.43 / 12.00				2500		CLIMBING LEFT TURN TO 2500 DIRECT WATERVILLE VOR/DME AND HOLD.						
TAINT (FAF)		MAKAF (MAP) (TF) (FB) (RNP 0.30)		004.42 / 5.07												
MAKAF (MAP)		1071 MSL (CA)		004.42												
1071 MSL		WATERVILLE VOR/DME (DF) (FO) (RNP 1.00)						2500		ADDITIONAL FLIGHT DATA: CHART FAS OBST: 819 TOWER 414223N/0833949W. CHART 848 TOWER 413917N/0834000W. FAC CROSSES MIDPOINT OF RWY 9-27. CHART CIRCLING ICON.						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD S WATERVILLE VOR/DME, RT, 004.43 INBOUND, 2500 FT. IN LIEU OF PT (IAF)																
3. FAC: 004.42 FAF: TAINT DIST FAF TO MAP: 5.07 THLD: _____																
4. MIN. ALT: WATERVILLE VOR/DME 2500, TAINT 2500																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 20:1 IS NOT CLEAR 34:1 IS NOT CLEAR																
8. MSA FROM: MAKAF 3100										MAG VAR: 7W			EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A						
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
CIRCLING		1180	1	509	1180	1	509	1180	1 1/2	509		NA				
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. EQUIPMENT REQUIREMENTS NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY PBN REQUIREMENTS NOTE: RNP APCH																
CITY AND STATE LAMBERTVILLE, MI		ELEVATION: 671 TDZE: AIRPORT NAME: TOLEDO SUBURBAN		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG						SUP: AMDT: NONE DATED				

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE  ROUTINE	
COORDINATED WITH:					
A4A <input type="checkbox"/>	ALPA <input checked="" type="checkbox"/>	AOPA <input checked="" type="checkbox"/>	APA <input type="checkbox"/>	HAI <input type="checkbox"/>	NBAA <input checked="" type="checkbox"/>
				OTHER (specify) <input checked="" type="checkbox"/> ZOB, TOL ATCT, AMGR	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:  MICHAEL R. GARRITY JR.				Digitally signed by MICHAEL GARRITY	DATE: 01/29/2018
APPROVED BY      Jan 30, 2018					
NAME:  JULIE A. MORGAN				MANAGER	FIFO AJV-5420
CHANGES:					
1. ORIGINAL PROCEDURE					
REASONS:					
1. FPT REQUEST VIA IFPR					



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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## PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: <b>VDP NOT ESTABLISHED - CIRCLING ONLY APPROACH.</b>  <b>ORDER 8260.3 CHAPTER 2 APPLIED TO 848 TOWER 413917N/0834000W.</b>  <b>100 FT VEGETATION USED IN VICINITY OF AIRPORT.</b>  <b>ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.</b> CAT A: 1.30NM CAT B: 1.83NM CAT C: 2.87NM  <b>SEE ATTACHED AIRSPACE LETTER.</b> RASS PRESSURE PATTERNS THE SAME KDUH 671.0, KTOL 683.3 RA = 27.6.  <b>FOR CONTINGENCY PURPOSES:</b> - CHART NOTE: USE TOLEDO EXPRESS ALTIMETER SETTING; INCREASE ALL MDA 40 FEET.  <b>25 DEGREE ANGLE OF BANK USED IN MISSED APPROACH EVALUATION.</b>  <b>AIRPORT HAS NO OIS SURVEY - UNABLE TO VERIFY VISUAL SURFACES CLEAR OF OBSTRUCTIONS.</b>															
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																	
TOL TOWER ZOB ARTCC						N W S		OTHER: AWOS-3												SOURCE:KDUH / KTOL					
						F A A														DISTANCE: 0 / 11.25					
						A / C														HOURS REMOTE OPERATION: 0/YES / 24/YES					
SATISFACTORY ON:								LOCATION: KDUH												ADJUSTMENT: 0 / 28					
4. MONITOR STATUS				PRIMARY NAVAID:																					
				MONITOR POINT:																					
		HRS OPTN:		CAT 1																					
				CAT 3																					
5. APPROACH & RUNWAY LIGHTING				ALS																					
				(S) SALS																					
				MALS																					
				HIRL																					
		X		MIRL 09 (PCL), 27 (PCL)																					
				REIL																					
				TDZ																					
				C/LINE																					
		OTHER (SPECIFY)																							
6. RUNWAY MARKINGS				BASIC BSC-G 09, 27																					
				ALL WEATHER																					
				INSTRUMENT																					
7. RUNWAY VISUAL RANGE				APPROACH																					
				MIDFIELD																					
				ROLL OUT																					
8. GLIDE PATH				GP ANGLE:						ELEV RWY THRESHOLD:															
				DISTANCE FROM RWY:						ELEV GP ANTENNA:															
				THRESHOLD CROSSING HEIGHT:																					
9. FINAL APPROACH COURSE AIMING						RUNWAY THRESHOLD						FT. FROM THRESHOLD													
						ON CENTERLINE						FT. FROM CENTERLINE													
10. WAIVERS: NONE																									
PART D - PREPARED BY: MICHAEL R. GARRITY JR.										DATE: 01/29/2018															
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5423															

