

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		LP: RW09 LNAV: RW09 CLIMB TO 3200 DIRECT VEBHA AND ON TRACK 081.94 TO WOMOP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 253.93 INBOUND. CHART FAS OBST: 743 TREE 451238N/0850001W CHART FAS OBST: 1013 TREE 451155N/0850040W CHART 838 TREE 451218N/0850244W. WAAS CHANNEL # 97526 REFERENCE PATH ID: W09A AKRIF TO RW09: 3.00/40 CHART CHARLEVOIX AWOS-3 LTP HAE: 164.7 M					
PLN VORTAC		ZANUG (FO)		228.59 / 34.24				2800							
GLR VOR/DME		ZANUG (FO)		304.29 / 25.12				3000							
ADENO		ZANUG (FO)		004.94 / 11.13				2600							
ZANUG (IF/IAF)		AKRIF (FB)		097.48 / 3.90				2500							
AKRIF (FAF)		OZKIW/2.10 NM TO RW09 (FB)		097.55 / 3.57											
OZKIW/2.10 NM TO RW09		RW09 (MAP) (FO)		097.60 / 2.10											
(SEE FORM 8260-10)															

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)															
2. HOLD W ZANUG, RT, 097.48 INBOUND, 2500 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>097.55</u> FAF: <u>AKRIF</u> DIST FAF TO MAP: <u>5.67</u> THLD: <u>5.67</u>															
4. MIN. ALT: ZANUG 2500, AKRIF 2500, OZKIW/2.10 NM TO RW09 1360															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u>															
8. MSA FROM: RW09 3500															
MAG VAR: 5W EPOCH YEAR: 1985															

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X			
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
LP MDA	1060	1	405	1060	1	405		NA			NA				
LNAV MDA	1260	1	605	1260	1	605		NA			NA				
CIRCLING	1480	1 1/4	820	1500	1 1/4	840		NA			NA				

NOTES:
 CHART NOTE: USE CHARLEVOIX ALTIMETER SETTING; WHEN NOT RECEIVED, USE HARBOR SPRINGS ALTIMETER SETTING.
 CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
 CHART NOTE: DME/DME RNP-0.3 NA.
 (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 660 THRE: 655	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BOYNE CITY, MI	AIRPORT NAME:		RNAV (GPS) RWY 9, ORIG	AMDT: NONE
	BOYNE CITY MUNI		31 MAY 2012	DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW09 (MAP)	1060 MSL	097.60	
1060 MSL	VEBHA (FB)		
VEBHA	WOMOP (FO)	081.94 / 10.87	3200

NOTES, (CONT.):

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PLN VORTAC AIRWAY RADIALS 170 CW 295 AND ON GLR VOR/DME AIRWAY RADIALS 213 CW 247.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

QUALITY
9
CHECKED

CITY AND STATE
BOYNE CITY, MI

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FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER N98
RUNWAY RW09
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W09A
REFERENCE PATH IDENTIFIER (APPROACH ID) 451232.3675N
LTP/FTP LATITUDE 0845943.1510W
LTP/FTP LONGITUDE +01647
LTP/FTP ELLIPSOIDAL HEIGHT 451228.2500N
FPAP LATITUDE 0845737.2600W
FPAP LONGITUDE 00040.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 1712
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 0.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

ED67600A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +01997
FPAP ORTHOMETRIC HEIGHT +01997

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP N98 K5FR09	AADENO 010ADENOK5EA0E	IF								18000		A JS	
SUSAP N98 K5FR09	AADENO 020ZANUGK5EA0EY	020TF				00490111	+	02600				A JS	
SUSAP N98 K5FR09	AADENO 030ZANUGK5EA0EE	AR HF				09750040	+	02500				A JS	
SUSAP N98 K5FR09	AGLR 010GLR K5D 0V	IF								18000		A JS	
SUSAP N98 K5FR09	AGLR 020ZANUGK5EA0EY	020TF				30430251	+	03000				A JS	
SUSAP N98 K5FR09	AGLR 030ZANUGK5EA0EE	AR HF				09750040	+	02500				A JS	
SUSAP N98 K5FR09	APLN 010PLN K5D 0V	IF								18000		A JS	
SUSAP N98 K5FR09	APLN 020ZANUGK5EA0EY	020TF				22860342	+	02800				A JS	
SUSAP N98 K5FR09	APLN 030ZANUGK5EA0EE	AR HF				09750040	+	02500				A JS	
SUSAP N98 K5FR09	R 010ZANUGK5EA0E	I IF					+	02500		18000		A JS	
SUSAP N98 K5FR09	R 020AKRIFK5EA1E	F 051TF				09750039	+	02500			RW09 K5PGA	JS	
SUSAP N98 K5FR09	R 020AKRIFK5EA2WALP		N		ALNAV							JS	
SUSAP N98 K5FR09	R 0210ZKIWK5EA0E	S 031TF				09760036	V	0136001364		-300		A JS	
SUSAP N98 K5FR09	R 030RW09 K5PGOGY	M 031TF				09760021		00695		-300		A JS	
SUSAP N98 K5FR09	R 040	0 M CA				0976	+	01060				A JS	

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FAA FORM 8260-10 / April 2006 (Computer Generated)