

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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	LNAV: RW17 CLIMBING RIGHT TURN TO 3000 DIRECT IROTO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 218.39 INBOUND. FAS OBST: 1273 AAO 451236N/0845648W OTODE TO RW17: 3.05/40.
SPARR	SEPTE (FB)	324.26 / 28.24	3000	
PLN VORTAC	SEPTE (FB)	215.23 / 17.12	3000	
ADENO	URUBE (FB)	021.58 / 19.93	3000	
SEPTE (IAF)	CEDOS (NOPT) (FB)	265.32 / 5.00	3000	
URUBE (IAF)	CEDOS (NOPT) (FB)	085.16 / 5.00	3000	
CEDOS (IF/IAF)	OTODE (FB)	175.24 / 6.11	2600	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N CEDOS, RT, 175.24 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF)
- FAC: 175.26 FAF: OTODE DIST FAF TO MAP: 5.74 THLD: 5.74
- MIN. ALT: CEDOS 3000, OTODE 2600
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW17 3500

MAG VAR: 6W

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:		STANDARD	X	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	
LNAV MDA	1580	1	873	1580	1 1/4	873	1580	2 1/2	873	1580	2 3/4	873				
CIRCLING	1580	1	861	1580	1 1/4	861	1580	2 1/2	861	1640	3	921				

NOTES:
 CHART NOTE: CIRCLING NA WEST OF RWY 17-35.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: USE BELLAIRE ALTIMETER SETTING; WHEN NOT RECEIVED, USE PELLSTON ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET AND INCREASE LNAV CATS A, C, AND D VISIBILITY 1/4 MILE, AND CIRCLING
 SEE 8260-10

CITY AND STATE BOYNE FALLS, MI	ELEVATION: 719 TDZE: 707 AIRPORT NAME: BOYNE MOUNTAIN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG FEB 14 2008	SUP: AMDT: NONE DATED
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NOTES CONT.

CATS A AND C 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SPARR VIA V420 EASTBOUND AND ARRIVALS AT PLN VORTAC VIA V233 NORTHBOUND.

CITY AND STATE

BOYNE FALLS, MI

ELEVATION: 719 TDZE: 707

AIRPORT NAME:

BOYNE MOUNTAIN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

FEB 14 2008

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[illegible]

SUP:	
AMDT:	NONE
DATED:	



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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-15

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ADENO	ADENO	010		IF		FB				
	ADENO	URUBE	020	IAF	TF		FB	2.0	021.6 (016T)	019.9	03000
	ADENO	CEDOS	030		TF		FB	1.0	085.2 (079T)	005.0	03000
	CEDOS	CEDOS	010		HF	R	FB		175.2 (169T)	004.0	03000
	PLN	PLN	010		IF		FB				
	PLN	SEPTE	020	IAF	TF		FB	2.0	215.2 (209T)	017.1	03000
	PLN	CEDOS	030		TF		FB	1.0	265.3 (259T)	005.0	03000
	SPARR	SPARR	010		IF		FB				
	SPARR	SEPTE	020	IAF	TF		FB	2.0	324.3 (318T)	028.2	03000
	SPARR	CEDOS	030		TF		FB	1.0	265.3 (259T)	005.0	03000
		CEDOS	010	FACF	IF		FB				03000
		OTODE	020	FAF	TF		FB	0.5	175.2 (169T)	006.1	02600
		RW17	030	MAP	TF		FO	0.3	175.3 (169T)	005.7	00743

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	175.3 (169T)		01119
	IROTO	050		DF	R	FO	1.0			03000
	IROTO	060		HM	R	FO	2.0	218.4 (212T)	005.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PLN	N453750.32	W0843950.81	N4537.839	W08439.847
	ADENO	N450150.32	W0851313.53	N4501.839	W08513.226
	CEDOS	N452157.72	W0845840.34	N4521.962	W08458.672
	IROTO	N451120.22	W0850430.10	N4511.337	W08504.502
	OTODE	N451557.39	W0845703.41	N4515.957	W08457.057
	SEPTE	N452253.51	W0845142.19	N4522.892	W08451.703
	SPARR	N450152.29	W0842501.69	N4501.872	W08425.028
	URUBE	N452101.51	W0850538.26	N4521.025	W08505.638
	RW17	N451019.31	W0845532.77	N4510.322	W08455.546

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW17	00703		40

CITY AND STATE
BOYNE FALLS, MI

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