

U.S. 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	
WASOG (IF/IAF) (40E) (43I)	SIBEE (TF) (FB) (40E) (43F)	094.71/13.08	2100	LNAV: RW09
RW09 (MAP) (40G) (41Y) (43M)	1004 MSL (CA) (42M)	094.91		CLIMB TO 2700 DIRECT FIVLO AND HOLD.
1004 MSL	FIVLO (DF) (FO) (40E) (41E) (43H)		2700	ADDITIONAL FLIGHT DATA: HOLD E, LT, 275.15 INBOUND FAS OBST: 829 TREE 430125N / 0861324W

- PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
- HOLD W WASOG RT, 094.71 INBOUND, 3000 FT IN LIEU OF PT (IAF) (40E) (41E) (43C)
- FAC: 094.91 FAF: SIBEE DIST FAF TO MAP: 4.53 THLD: 4.53
- MIN. ALT: WASOG 3000, SIBEE 2100
- 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 CLEAR
- MSA FROM: RW09 2900

SIBEE TO RW09: 3.04/35
ROUTE TYPE DESCRIPTION: A, P
APCH ROUTE QUALIFIER 2: S
MAG VAR: 5W EPOCH YEAR: 05

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	1120	1	518	1120	1	518	1120	1 1/2	518		NA					
CIRCLING	1160	1	556	1180	1	576	1180	1 1/2	576		NA					

NOTES: CHART NOTES:
DME/DME RNP -0.3 NA.
USE MUSKEGON ALTIMETER SETTING.
CIRCLING NA AT NIGHT TO RWYS 18/36.

CITY AND STATE GRAND HAVEN, MI	ELEVATION: 604 TDZE: 602 AIRPORT NAME: GRAND HAVEN MEML AIRPARK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: NOV 25 2004 RNAV (GPS) RWY 9, ORIG	SUP: AMDT: NONE DATE
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