

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PILYI (IAF)	BOPMY (NOPT) (FB)	264.53 / 8.64	3000	LPV: DA LNAV/VNAV: DA LNAV: RW30  CLIMB TO 3200 DIRECT PELBE AND HOLD.
ZERAD (IAF)	BOPMY (NOPT) (FB)	002.77 / 6.43	3000	
BOPMY (IF/IAF)	OHEXE (FB)	305.06 / 6.20	2800	
OHEXE (FAF)	WUSKA/2.20 NM TO RW30 (FB)	304.98 / 2.77		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 124.75 INBOUND. CHART FAS OBST: 1330 TOWER 442502N/0954706W DISTANCE TO THLD FROM 250 HATH: 0.66 NM. CHART VDP AT 1.16 MILES TO RW30* *LNAV ONLY. WAAS CHANNEL # 86321 REFERENCE PATH ID: W30A LTP HAE: 332.4 M
WUSKA/2.20 NM TO RW30	RW30 (MAP) (FO)	304.95 / 2.20		
RW30 (MAP)	1429 MSL	304.95		
1429 MSL	PELBE (FO)		3200	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD SE BOPMY, RT, 305.06 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 304.98 FAF: OHEXE DIST FAF TO MAP: 4.97 THLD: 4.97
4. MIN. ALT: BOPMY 3000, OHEXE 2800, WUSKA/2.20 NM TO RW30 1900\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCP: 2800 GS ALT AT: OHEXE 2800 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW30 3800

MAG VAR: 5E

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
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
LPV DA	1429	7/8	250	1429	7/8	250	1429	7/8	250	1429	7/8	250			
LNAV/VNAV DA	1463	1	284	1463	1	284	1463	1	284	1463	1	284			
LNAV MDA	1580	1	401	1580	1	401	1580	1 1/8	401	1580	1 1/8	401			
CIRCLING	1640	1	457	1640	1	457	1640	1 1/2	457	1740	2	557			

NOTES:  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 36C (96F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.  
CHART NOTE: VDP NA WITH TRACY ALTIMETER SETTING.  
(SEE FORM 8260-10)

CITY AND STATE MARSHALL, MN	ELEVATION: 1183 THRE: 1179 AIRPORT NAME: SOUTHWEST MINNESOTA RGNL MARSHALL/RYAN FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG-A 3 MAY 2012	SUP:
				AMDT: ORIG
				DATED 05/05/2011

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## NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TRACY ALTIMETER SETTING AND INCREASE

ALL DA 58 FEET AND ALL MDA 60 FEET, AND LPV VISIBILITY ALL CATS 1/8 MILE, LNAV/VNAV VISIBILITY

ALL CATS 1/4 MILE, AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: BARO VNAV NA WHEN USING TRACY ALTIMETER SETTING.

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMML
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	442645.0600N
LTP/FTP LONGITUDE	0954900.7960W
LTP/FTP ELLIPSOIDAL HEIGHT	+03324
FPAP LATITUDE	442742.2300N
FPAP LONGITUDE	0955036.2200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0552
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

2A399234

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03593
FPAP ORTHOMETRIC HEIGHT	+03593

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMMLK3FR30	ABOPMY	010BOPMYK3EA0EE	AR	HF		30510040	+	03000	18000		A	JS
SUSAP	KMMLK3FR30	APILIIY	010PILIIYK3EA0E	A	IF					18000		A	JS
SUSAP	KMMLK3FR30	APILIIY	020BOPMYK3EA0EE	B	010TF		26450086	+	03000			A	JS
SUSAP	KMMLK3FR30	AZERAD	010ZERADK3EA0E	A	IF					18000		A	JS
SUSAP	KMMLK3FR30	AZERAD	020BOPMYK3EA0EE	B	010TF		00280064	+	03000			A	JS
SUSAP	KMMLK3FR30	R	010BOPMYK3EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KMMLK3FR30	R	020OHEXEK3EA1E	F	051TF		30510062	+	02800		RW30	K3PGA	JS
SUSAP	KMMLK3FR30	R	020OHEXEK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KMMLK3FR30	R	021WUSKAK3EA0E	S	031TF		30500028	V	0190001919		-300	A	JS
SUSAP	KMMLK3FR30	R	030RW30	K3PGOGY	M	031TF	30500022		01219		-300	A	JS
SUSAP	KMMLK3FR30	R	040		0	M	CA	3050	+	01429		A	JS
SUSAP	KMMLK3FR30	R	050PELBK3EA0EY		DF				+	03200		A	JS
SUSAP	KMMLK3FR30	R	060PELBK3EA0EE	R	HM		12480040	+	03200			A	JS

[illegible]

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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMMLK3PR30	RW30 001	0000W30A0N4426450600W09549007960+033240300N4427422300W0955036220010675055200040CF4005002A399234										
	SUSAP KMMLK3PR30	RW30 002E	+C3593+03593LPV	86321									

  

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMMLK3SRW30 K3PG	0	18018003825									M	

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