

<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>		<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>		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.											
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW13  CLIMB TO 3500 DIRECT CEKSA AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 310.41 INBOUND. CHART FAS OBST: 1539 TREE 472505N/0925359W FAS OBST: 1869 AAO 472754N/0925619W DISTANCE TO THLD FROM 250 HATH: 0.64 NM. CHART VDP AT 1.25 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 69222 REFERENCE PATH ID: W13A LTP HAE: 382.6 M											
FENOK (IF/IAF)	DULEC (FB)	130.05 / 7.00	3300												
DULEC (FAF)	OLAYU/2.50 NM TO RW13 (FB)	130.14 / 3.46													
OLAYU/2.50 NM TO RW13	RW13 (MAP) (FO)	130.19 / 2.50													
RW13 (MAP)	1604 MSL	130.19	3500												
1604 MSL	CEKSA (FO)														
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD NW FENOK, RT, 130.05 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>130.14</u> FAF: <u>DULEC</u> DIST FAF TO MAP: <u>5.96</u> THLD: <u>5.96</u> 4. MIN. ALT: <u>FENOK 3500, DULEC 3300, OLAYU/2.50 NM TO RW13 2180*</u> 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>3300</u> GS ALT AT: <u>DULEC 3300</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>48.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>      </u>				MAG VAR: 2E EPOCH YEAR: 1995											
<b>MINIMUMS</b>															
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	1604	3/4	250	1604	3/4	250	1604	3/4	250	1604	3/4	250			
LNAV/VNAV DA	1604	3/4	250	1604	3/4	250	1604	3/4	250	1604	3/4	250			
LNAV MDA	1800	3/4	446	1800	3/4	446	1800	7/8	446	1800	7/8	446			
CIRCLING	1820	1	466	1840	1	486	1840	1 1/2	486	1920	2	566			
NOTES: CHART NOTE: CIRCLING TO RWY 4 NA AT NIGHT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 35C (95F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1354 THRE: 1354		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
HIBBING, MN		AIRPORT NAME:		RANGE RGNL		RNAV (GPS) RWY 13, AMDT 1 25 AUG 2011				AMDT: ORIG					
										DATED 12/23/2004					

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RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING EVELETH ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EVELETH ALTIMETER SETTING AND INCREASE ALL DA 36 FEET, AND ALL MDA 40 FEET, AND INCREASE LNAV CAT C/D VISIBILITY TO 1 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV ALL CATS.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A/B VISIBILITY TO 1 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING EVELETH ALTIMETER SETTING, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO 7/8.

TAA

	FROM	TO	ALT
1.	040/30 CW 220/30 (NOPT)	FENOK (IF/IAF) (FB)	3500
2.	220/30 CW 040/30	FENOK (IAF) (FO)	3500

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25 AUG 2011

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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	KHIB
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W13A
REFERENCE PATH IDENTIFIER (APPROACH ID)	472329.9950N
LTP/FTP LATITUDE	0925051.9370W
LTP/FTP LONGITUDE	+03826
LTP/FTP ELLIPSOIDAL HEIGHT	472230.1500N
FPAP LATITUDE	0924914.8500W
FPAP LONGITUDE	00048.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	0688
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

**CRC REMAINDER**

D5EFCB94

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04125
FPAP ORTHOMETRIC HEIGHT	+04125

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHIBK3FR13	AFENOK	010FENOKK3EA0EE	AR	HF			13010060	+	03500	18000		A	JS
SUSAP KHIBK3FR13	R	010FENOKK3EA0E	I	IF				+	03500	18000		A	JS
SUSAP KHIBK3FR13	R	020DULECK3EA1E	F	051TF			13010070	+	03300			A	JS
SUSAP KHIBK3FR13	R	020DULECK3EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KHIBK3FR13	R	021OLAYUK3EA0E	S	031TF			13010035	V	0218002198		-300	A	JS
SUSAP KHIBK3FR13	R	030RW13 K3PG0GY	M	031TF			13020025		01402		-300	A	JS
SUSAP KHIBK3FR13	R	040	0	M	CA		1302	+	01604			A	JS
SUSAP KHIBK3FR13	R	050CEKSAK3EA0EY		DF				+	03500			A	JS
SUSAP KHIBK3FR13	R	060CEKSAK3EA0EE	R	HM			31040060	+	03500			A	JS

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