Flight Procedure Tracking Form

Action:	Task Type:	Date Open:	Task #:	Request #:
FLIGHT CHECK	IAP	04/19/2010	2008061618983786007	20080616189837

Procedure: VOR RWY 27 AMDT 1 | **Airport ID:** KEVM | **Airport:** EVELETH-VIRGINIA MUNI | **Reimbursable #:**

City: EVELETH | **ST:** MN | **GPS #:** | **Estimated Chart Date:** 01/10/2013 | **FICO #:**

Fac ID: EVM | **Fac. Type:** VDME | **Specialist:** BRIAN BICKETT

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	06/28/2012	09/27/2012	JILL OLSON	
QA:	09/27/2012	09/30/2012	STEVEN SZUKALA	
Liaison:	09/30/2012		Spurlin	

Procedure Comments: ENROUTE | **Remark Type:** INFORMATION

EVELETH, MN EVELETH-VIRGINIA MUNI (KEVM) VOR RWY 27 AMDT 1 ENROUTE-YES FC: 11.13.12 PUB: 1.10.13

ATTACHED FORMS: 8260-5; 8260-10; 8260-9; 8260-2(S): CINUK-INT, ORIG; EVELETH (EVM) VDME, REV 6; HIBBING (HIB) VDME, REV 12.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

VOR/DME EVM	APP CRS	Rwy Idg	4215
108.2	268°	THRE	1370
Chan 19		Apt Elev	1379

VOR RWY 27

EVELETH-VIRGINIA MUNI (EVM)

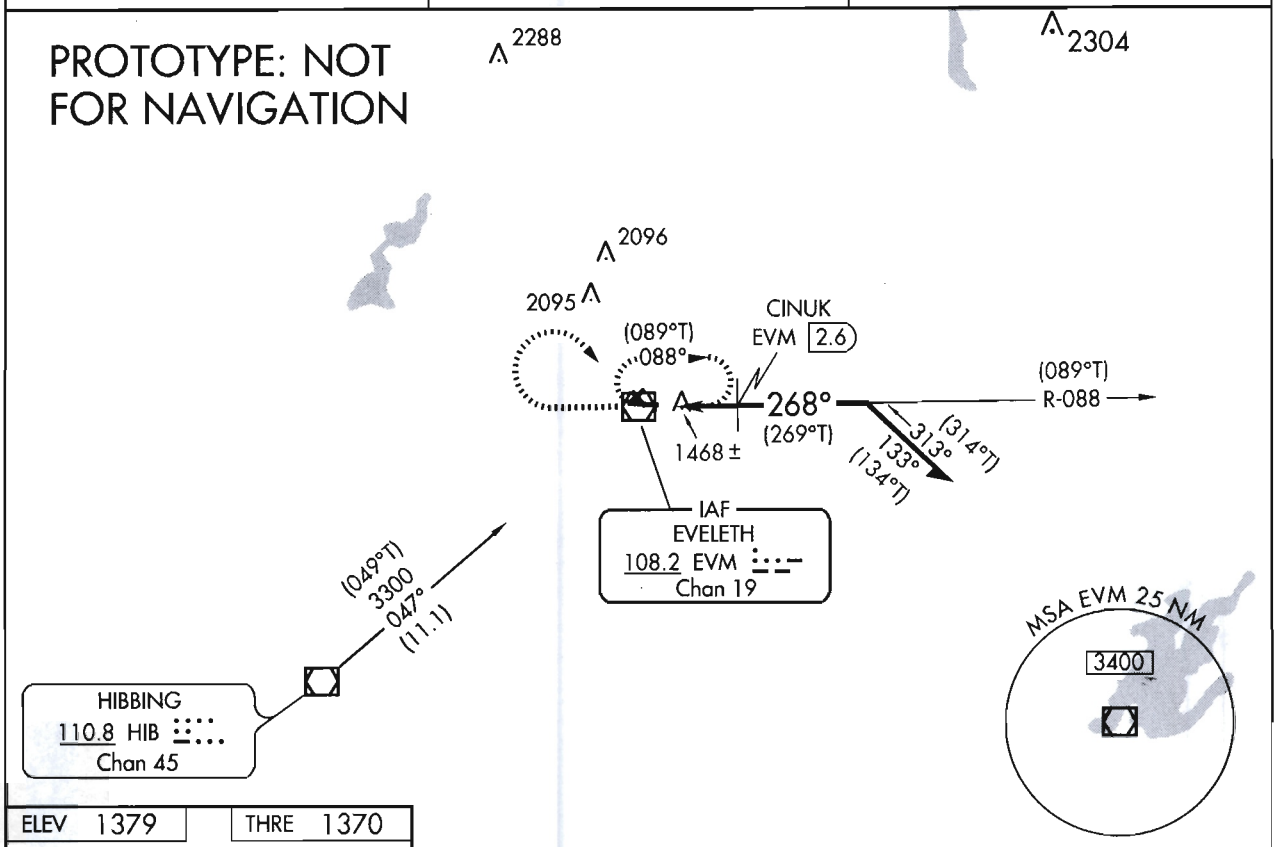
When local altimeter setting not received, use Hibbing altimeter setting and increase all MDA 40 feet; increase S-27 and Circling Cat B/C/D visibility ½ mile. Increase CINUK fix minimums S-27 and Circling Cat C/D visibility ¼ mile. Procedure NA at night. Helicopter visibility reduction below 1 SM not authorized.

NA

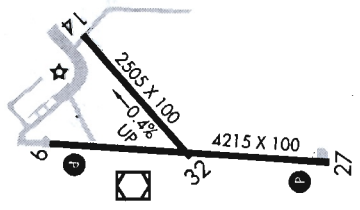
MISSED APPROACH: Climb to 3300 then right turn direct EVM VOR/DME and hold.

AWOS-3	DULUTH APP CON ★	UNICOM
108.2	125.45 255.9	122.7 (CTAF) L

PROTOTYPE: NOT FOR NAVIGATION



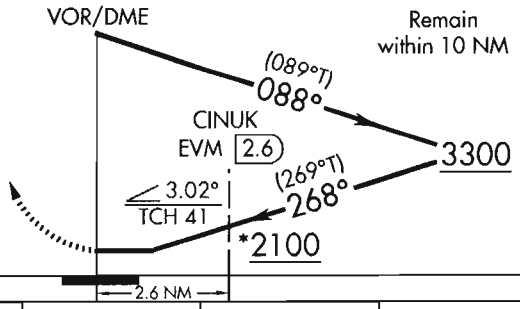
ELEV 1379 THRE 1370



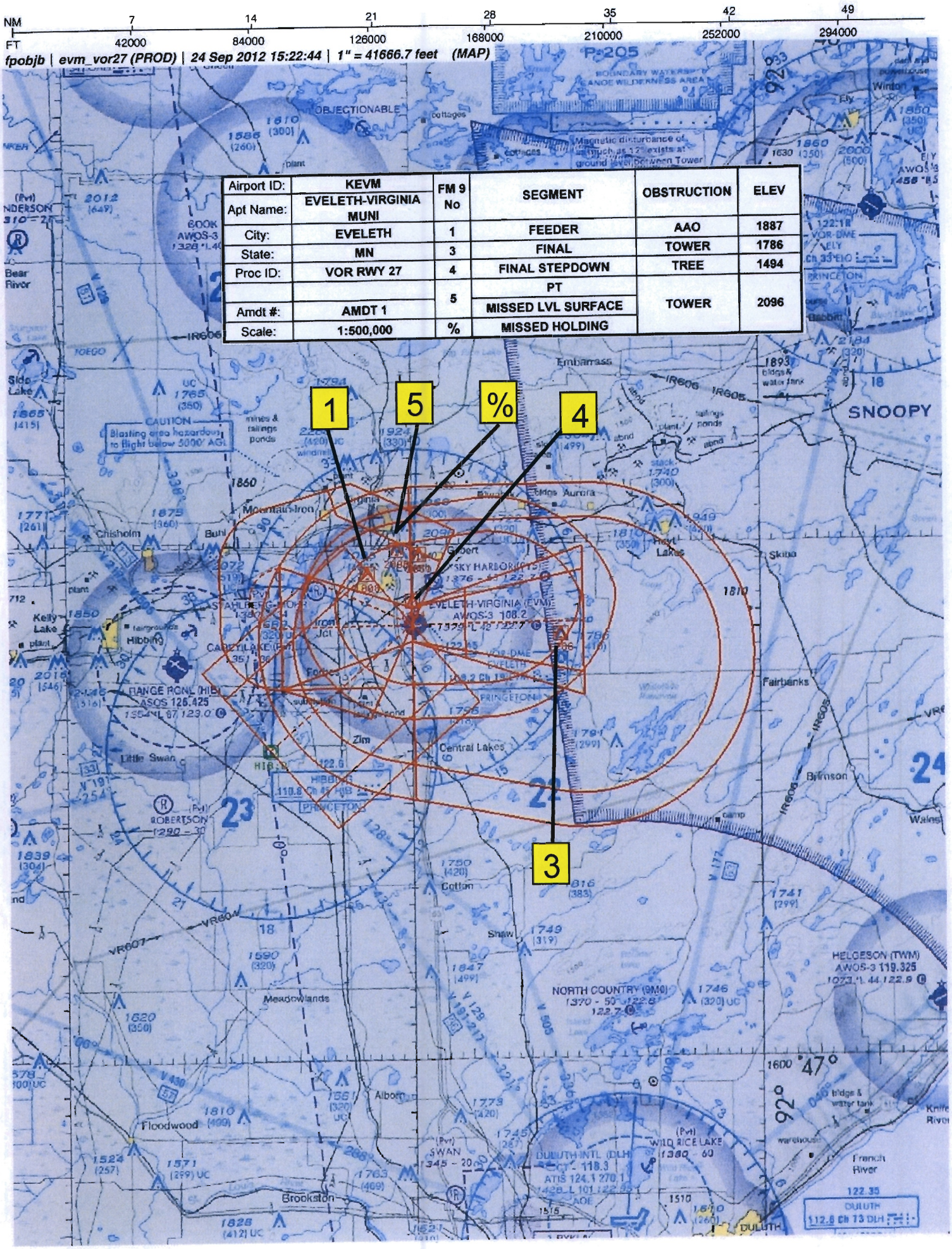
REIL Rwy 27 L
MIRL Rwys 9-27 and 14-32 L

3300 EVM

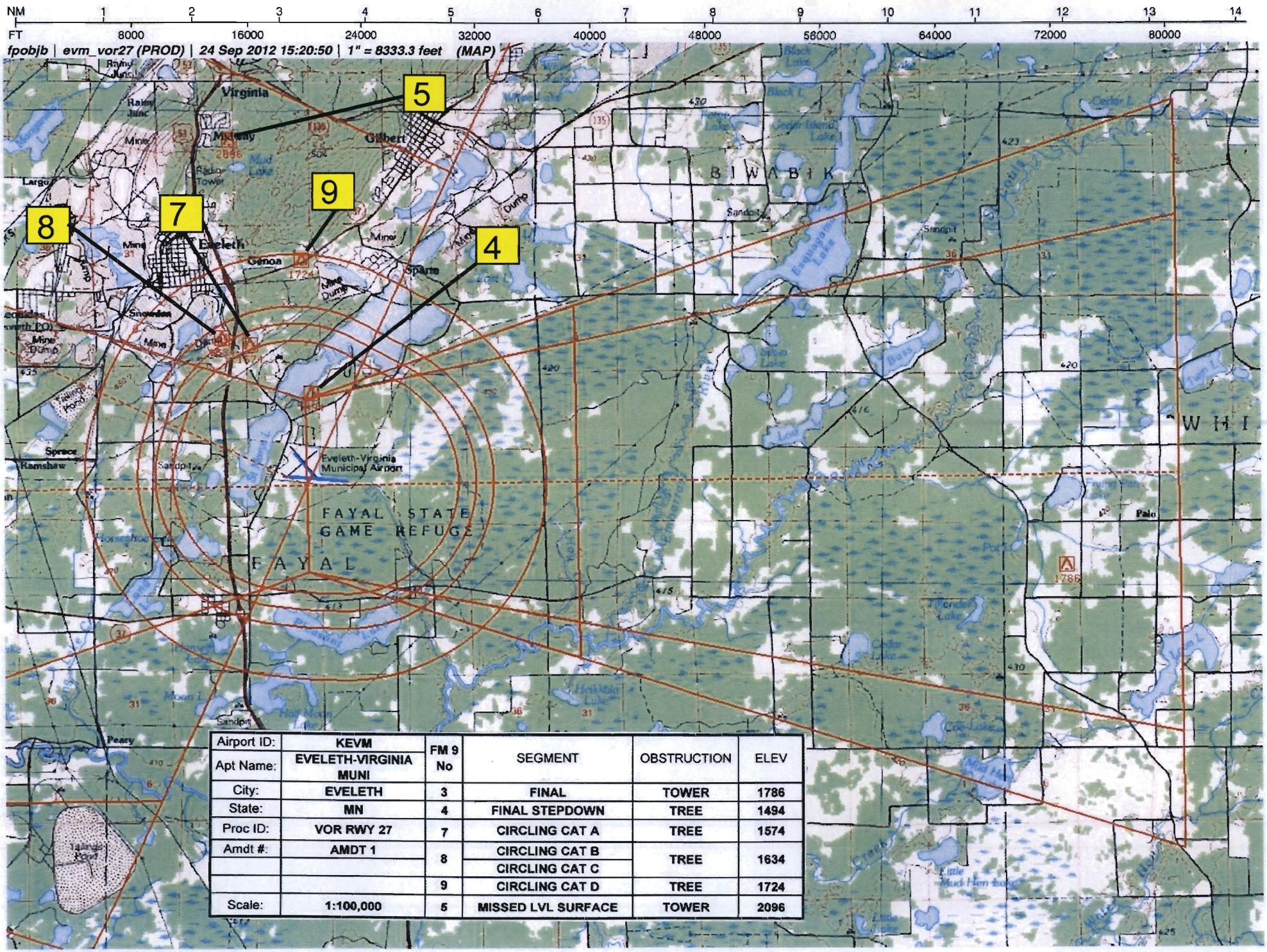
*2140 when using Hibbing altimeter setting



CATEGORY	A	B	C	D
S-27	2100-1 730 (800-1)		2100-2 730 (800-2)	
CIRCLING	2100-1 721 (800-1)		2100-2 721 (800-2)	2100-2¼ 721 (800-2¼)
CINUK FIX MINIMUMS				
S-27	1720-1 350 (400-1)			
CIRCLING	1880-1 501 (600-1)	1940-1 561 (600-1)	1940-1½ 561 (600-1½)	2040-2 661 (700-2)



Airport ID:	KEVM	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	EVELETH-VIRGINIA MUNI				
City:	EVELETH	1	FEEDER	AAO	1887
State:	MN	3	FINAL	TOWER	1786
Proc ID:	VOR RWY 27	4	FINAL STEPDOWN	TREE	1494
		5	PT	TOWER	2096
Amdt #:	AMDT 1		MISSED LVL SURFACE		
Scale:	1:500,000	%	MISSED HOLDING		



Airport ID:	KEVM	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	EVELETH-VIRGINIA MUNI				
City:	EVELETH	3	FINAL	TOWER	1786
State:	MN	4	FINAL STEPDOWN	TREE	1494
Proc ID:	VOR RWY 27	7	CIRCLING CAT A	TREE	1574
Amdt #:	AMDT 1	8	CIRCLING CAT B	TREE	1634
			CIRCLING CAT C		
		9	CIRCLING CAT D	TREE	1724
Scale:	1:100,000	5	MISSED LVL SURFACE	TOWER	2096

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HIB VOR/DME	EVM VOR/DME	047.06 / 11.07	3300

MISSED APPROACH

MAP: EVM VOR/DME

CLIMB TO 3300 THEN RIGHT TURN DIRECT EVM VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 268.07 INBOUND.
CHART FAS OBST: 1494 TREE 472620N/0922950W
CINUK TO RW27: 3.02/41.
FAC CROSSES RWY C/L EXTENDED 3002 FROM THLD.

1. PT **R** SIDE OF COURSE **088.07** OUTBOUND **3300** FT WITHIN **10** MILES OF **EVM VOR/DME** (IAF)
2.
3. FAC **268.07** FAF DIST FAF TO MAP THLD
4. MIN. ALT **CINUK/EVM 2.61 DME 2100***
8. MSA FROM: **EVM VOR/DME 3400**

MAG VAR: **1E** EPOCH YEAR: **2000**

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-27	2100	1	730	2100	1	730	2100	2	730	2100	2	730			
CIRCLING	2100	1	721	2100	1	721	2100	2	721	2100	2 1/4	721			
CINUK FIX MINIMUMS (DME REQUIRED)															
S-27	1760	1	390	1760	1	390	1760	1 1/8	390	1760	1 1/8	390			
CIRCLING	1880	1	501	1940	1	561	1940	1 1/2	561	2040	2	661			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HIBBING ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET; INCREASE S-27 AND CIRCLING CAT B/C/D VISIBILITY 1/2 MILE. INCREASE CINUK FIX MINIMUMS S-27 AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.
CHART NOTE: PROCEDURE NA AT NIGHT.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1379 THRE: 1370 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
EVELETH, MN	EVELETH-VIRGINIA MUNI	EVM	VOR RWY 27, AMDT 1	AMDT ORIG-B
				DATE 06/02/2011

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[X] YES [ ] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X] **ZMP ARTCC, DLH APP CON, AMGR**

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
BRIAN J BICKETT	**AJV-353**	**08/21/2012**

APPROVED BY

NAME:		FIFO	DATE:
LARRY H STROUT	**MANAGER**	**AJV-353**	

CHANGES:

1. CHANGED COURSE FROM HIB VOR/DME TO EVM VOR/DME FROM (047.04) TO (047.06).
2. CHANGED PT COURSE OUTBOUND FROM (088.09) TO (088.07).
3. CHANGED FAC FROM (268.09) TO (268.07).
4. LOWERED S-27 MDA/HAT FROM (2160/789) ALL CATS TO MDA/HATH (2100/730) ALL CATS.
5. LOWERED S-27 CAT B/C/D VISIBILITY FROM (1 1/4, 2 1/4, 2 1/2) TO (1, 2, 2) MILES.
6. LOWERED CIRCLING MDA/HAA FROM (2160/781) ALL CATS TO (2100/721) ALL CATS.
7. LOWERED CIRCLING CAT B/C/D VISIBILITY FROM (1 1/4, 2 1/4, 2 1/2) TO (1, 2, 2 1/4).
8. ADDED (CINUK) STEPDOWN FIX MINIMUMS.
9. CHANGED HOLDING INBOUND COURSE FROM (268.09) TO (268.07).
10. CHANGED FAC CROSSES RWY C/L EXTENDED FROM (3005) TO (3002).
11. CHANGED BACKUP ALTIMETER NOTE FROM (WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RANGE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CIRCLING CAT C/D VISIBILITY 1/4 MILE) TO (WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HIBBING ALTIMETER SETTING AND INCREASE S-27 AND CIRCLING CAT B/C/D VISIBILITY 1/2 MILE. INCREASE CINUK FIX MINIMUMS S-27 AND CIRCLING CAT C/D VISIBILITY 1/4 MILE).
12. ADDED CHART NOTE: PROCEDURE NA AT NIGHT.
SEE 8260-10

REASONS:

1/2. NEW EVM VOR/DME SURVEYED COORDINTES.
3/9. OPTIMUM STRAIGHT-IN FINAL COURSE ALIGNMENT.
4-7/10/11. UPDATED PROCEDURE EVALUATION.
8. TO OBTAIN LOWER MINIMA.
12. 20:1 PENETRATIONS. PER CRITERIA, 8260.3B, VOL 1, PARA 3.3.2D AND 8260.19E CHG 2, PARA 8-54 M (2)(G).
13. PER MEMO DATED 8/27/2012 AND CRITERIA 8260.19E CHG 2, PARA 8-54 I (3).

QUALITY 4 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
*** 2140 WHEN USING HIBBING ALTIMETER SETTING.**

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1379 THRE: 1370	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EVELETH, MN	AIRPORT NAME: **EVELETH-VIRGINIA MUNI**	**EVM**	**VOR RWY 27, AMDT 1**	AMDT: **ORIG-B**
				DATED: **06/02/2011**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:

APPROVED BY

NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.
13. CHANGED CHART NOTE FROM "VISIBILITY REDUCTION BY HELICOPTERS NA" TO " HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED".

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	HIB VOR/DME	EVM VOR/DME	1. AAO	472754.00N/0923348.00W	1887 (4E)	1000	AT413	3300
			2. TERRAIN	472754.00N/0923348.00W	1687 (1700)		AS1500	3200
FINAL: PT	10 NM	CINUK/EVM 2.61	3. TOWER (27-020347)	472419.84N/0921705.85W	1786 (2C)	300		2100
		DME						
FINAL: STEPDOWN	CINUK/EVM 2.61	EVM VOR/DME	4. TREE	472619.67N/0922950.26W	1494 (2C)	250		1760
	DME							
2. PROCEDURE TURN	EVM VOR/DME	10 NM	5. TOWER (27-000488)	472915.00N/0923113.00W	2096 (4D)	1000		3100
			6. TERRAIN	472845.00N/0922954.00W	1849 (1800)		AS1500	3300
3. MISSED APPROACH MAP:	EVM VOR/DME	EVM VOR/DME				ASC		3300
			5. TOWER (27-000488)	472915.00N/0923113.00W	2096 (4D)	1000		3100
ELEV:	1510		6. TERRAIN	472845.00N/0922954.00W	1849 (1800)		AS1500	3300

4. CIRCLING AREA	DISTANCE		REQUIRED		ACTUAL							
CATEGORY A	1.3 NM	HT. ABV. ARPT.	350		721 / 501	7. TREE	472653.06N/0923052.90W	1574 (2C)	300	SI	2100 / 1880
CATEGORY B	1.5 NM		450		721 / 561	8. TREE	472657.65N/0923121.22W	1634 (2C)	300	SI	2100 / 1940
CATEGORY C	1.7 NM		450		721 / 561	8. TREE	472657.65N/0923221.22W	1634 (2C)	300	SI	2100 / 1940
CATEGORY D	2.3 NM		550		721 / 661	9. TREE	472751.72N/0923000.27W	1724 (2C)	300	SI	2100 / 2040
CATEGORY E	4.5 NM		550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **EVM VOR/DME**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	CM SA
360-360	TWR (27-001252)	047/ 15.0	2304 (5D)	3400					4
									CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
EVELETH, MN	ELEVATION: 1379 AIRPORT NAME: EVELETH-VIRGINIA MUNI	EVM	VOR RWY 27, AMDT 1	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
DLH TOWER PNM FSS	N W S / OTHER: AWOS-3	SOURCE: KEVM / KHIB
	F A A	DISTANCE: 0 / 14.08
SATISFACTORY ON:	A / C	HOURS REMOTE OPERATION: 24 / BACKUP
X V H F X U H F H F	LOCATION: KEVM	ADJUSTMENT: 0 / 36

4. MONITOR STATUS	PRIMARY NAVAID: EVM VOR/DME	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	CAT 3	24

5. APPROACH & RUNWAY LIGHTING		
		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 27 (PCL), 09 (PCL), 14 (PCL), 32 (PCL)
	X	REIL 27 (PCL)
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4R 09 (PCL) PAPI-4L 27 (PCL)

6. RUNWAY MARKINGS	BASIC	BSC-G 14, 32
	ALL WEATHER	
	INSTRUMENT	NPI-G 27, 09
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
		RUNWAY THRESHOLD 3002	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: BRIAN J BICKETT	DATE: 08/21/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1 SURFACE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KEVM 1379, KHIB 1354
RA = 35.95.
NO ADDITIONAL AIRSPACE REQUIRED.

ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS.
20:1 PENETRATIONS
RWY 32
1385 RD(N) (KEVMT0230) 472521.51N-0922943.57W (13.06)
1384 RD(N) (KEVMT0229) 472521.42N-0922941.73W (7.59)
1371 TREE (KEVMT0178) 472523.19N-0922941.91W (2.80)
1383 RD(N) (KEVMT0228) 472521.40N-0922938.84W (0.03)

RWY 27
1406 TREE (KEVMT0314) 472518.10N-0922905.01W (10.83)
1380 RD(N) (KEVMT0307) 472521.13N-0922911.78W (9.18)
1375 TREE (KEVMT0251) 472519.94N-0922912.16W (5.03)
1378 RD(N) (KEVMT0249) 472521.12N-0922910.09W (1.38)
1403 TREE (KEVMT0313) 472518.02N-0922902.93W (0.67)
1370 FENCE (KEVMT0246) 472525.47N-0922911.62W (0.27)

RWY 09
1458 TREE (KEVMT0043) 472531.34N-0923040.31W (8.03)
1427 TREE (KEVMT0004) 472528.84N-0923032.02W (6.39)
1426 TREE (KEVMT0117) 472527.79N-0923032.76W (3.25)
1431 TREE (KEVMT0003) 472527.43N-0923034.34W (2.97)
1445 TREE (KEVMT0044) 472531.18N-0923038.65W (0.78)

34:1 PENETRATIONS
RWY 27
1442 TREE (KEVMT0459) 472518.73N-0922840.93W (8.99)
1443 TREE (KEVMT0461) 472523.16N-0922839.59W (8.28)
1441 TREE (KEVMT0255) 472522.13N-0922840.39W (7.66)
1442 TREE (KEVMT0244) 472523.25N-0922839.60W (7.32)
1399 TREE (KEVMT0312) 472517.93N-0922901.06W (6.40)
1423 TREE (KEVMT0285) 472525.84N-0922847.70W (5.23)
1438 TREE (KEVMT0242) 472525.78N-0922840.22W (5.13)
1404 TREE (KEVMT0298) 472517.31N-0922857.52W (4.12)
1408 TREE (KEVMT0299) 472517.49N-0922855.37W (3.83)
1429 TREE (KEVMT0455) 472520.80N-0922844.02W (2.68)
1423 TREE (KEVMT0283) 472526.72N-0922846.23W (2.46)
1423 TREE (KEVMT0281) 472525.42N-0922846.26W (2.23)
1398 TREE (KEVMT0311) 472517.83N-0922859.39W (2.01)
1411 TREE (KEVMT0300) 472517.14N-0922852.33W (0.62)
1419 TREE (KEVMT0301) 472516.88N-0922848.35W (0.54)
1378 RD(N) (KEVMT0248) 472521.10N-0922908.07W (0.24)
1428 TREE (KEVMT0290) 472516.09N-0922843.81W (0.21)
1375 TREE (KEVMT0250) 472519.83N-0922909.65W (0.14)

NO SURVEY TO RWYS 14. UNABLE TO VERIFY IF 20:1 OIS IS CLEAR OF PENETRATIONS. CIRCLING TO RWY 14 NA AT NIGHT.

VGSI DATA: 3.00/40.8.

MAXIMUM VEGETATION HEIGHT WITHIN 5 NM: 85 FT.

BLOCK 2.
KEVM AWOS AND KHIB ASOS ARE ON SERVICE A.

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CINUK **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 472522.50N/0922604.73W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	EVELETH	EVM	VOR/DME	T	088.07	089.07	2.61	2.61		1900	12000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 27	1		KEVM	EVELETH	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/07/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EVELETH VOR/DME **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 472520.02N/0922955.32W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	EVELETH	EVM	VOR/DME	T							12000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E	EVM	VOR/DME	088.07	268.07	R	1		3300	10000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000488)	472915.00N/0923113.00W	2096	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 27	1	1	KEVM	EVELETH	MN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED NEW COORDINATES AS RESULT OF 3RD PARTY SURVEY. COORDINATES MOVED 42.65 FEET (EAST).
UPDATED PAT 1 HOLDING CRS INBOUND FROM 268.09 TO 268.07
CHANGED "HOLDING LIMITED TO ESTABLISHED PATTERN" FROM REMARK TO HOLDING RESTRICTION.
ADDED REMARK: PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
UPDATED FIX USE FORMAT.

DEVELOPED BY: **DATE:** 07/25/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH
OTHER:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: HIBBING VOR/DME **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 471805.50N/0924214.56W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	HIBBING	HIB	VOR/DME	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	HIB	VOR/DME	130.21	310.21	R	1		3600	14000	4	10
2	SE	HIB	VOR/DME	131.00	311.00	R	1		3300	14000	4	10
3	SW	HIB	VOR/DME	227.00	047.00	R	1		3100	12000	4	9
4	W		WP	252.09	072.09	R		4	3600	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	471712.00N/0923039.00W	1667	4E
2	200	AAO	471712.00N/0923039.00W	1667	4E
3	200	AAO	472024.00N/0923757.00W	1651	4E
4	200	AAO	472024.00N/0923757.00W	1651	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V129					(US)
EN ROUTE	V191					(US)
EN ROUTE	V217					(US)
EN ROUTE	V505					(US)
IAP	RNAV (GPS) RWY 17			KCOQ	CLOQUET	MN (US)
IAP	RNAV (GPS) RWY 31			KCQM	COOK	MN (US)
IAP	RNAV (GPS) RWY 27		4	KEVM	EVELETH	MN (US)
IAP	VOR RWY 27			KEVM	EVELETH	MN (US)
IAP	VOR/DME-A		3	KEVM	EVELETH	MN (US)
IAP	ILS OR LOC RWY 34			KGPZ	GRAND RAPIDS	MN (US)
IAP	VOR RWY 34			KGPZ	GRAND RAPIDS	MN (US)
IAP	ILS OR LOC RWY 31		1	KHIB	HIBBING	MN (US)
IAP	ILS OR LOC/DME RWY 13		1	KHIB	HIBBING	MN (US)
IAP	VOR RWY 13		2	KHIB	HIBBING	MN (US)
IAP	VOR RWY 31		2	KHIB	HIBBING	MN (US)
IAP	RNAV (GPS) RWY 26			K12D	TOWER	MN (US)
IAP	RNAV (GPS) RWY 8			K12D	TOWER	MN (US)
IAP	RNAV (GPS) RWY 14			KSUW	SUPERIOR	WI (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
CHANGED HOLDING PATTERN 3 MIN HOLDING ALTITUDE FROM (3000) TO (3100).
ADDED HOLDING PATTERN 4 AND ASSOCIATED DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 08/09/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DLH APP CON
OTHER:

QUALITY 4 CHECKED