Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 02/02/2012	Task #: 2012020222195901001	Request #: 20120202221959
Procedure: RNAV (GPS) RWY 35 AMDT 1		Airport ID: K08K	Airport: HARVARD STATE		Reimbursable #:
City: HARVARD	ST: NE	GPS #:		Estimated Chart Date: 03/07/2013	FICO #:
Fac ID:	Fac. Type: LPV	Specialist: RODNEY RUMSEY			

LPV

Procedure Review

P2

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/31/2012	10/04/2012	JILL OLSON	
QA:	10/04/2012	10/10/2012	DAVID PUGLISI	
Liaison:	10/10/2012		Spurlin	

Procedure Comments:

Remark Type: INFORMATION

pkg 2 of 2

HARVARD, NE HARVARD STATE (08K) RNAV (GPS) RWY 35, AMDT 1 (LPV) ENROUTE-NO FC: 1.22.13 PUB: 3.7.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): CHALS, REV 2; HULUN, REV 1; KUWUC, REV 1; PENEW, REV 2; ZIGIS, ORIG; (INFO ONLY) HASTINGS (HSI) VDME, REV 12; NUCDI-INT, REV 1; SUEKI-INT, REV 1.

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

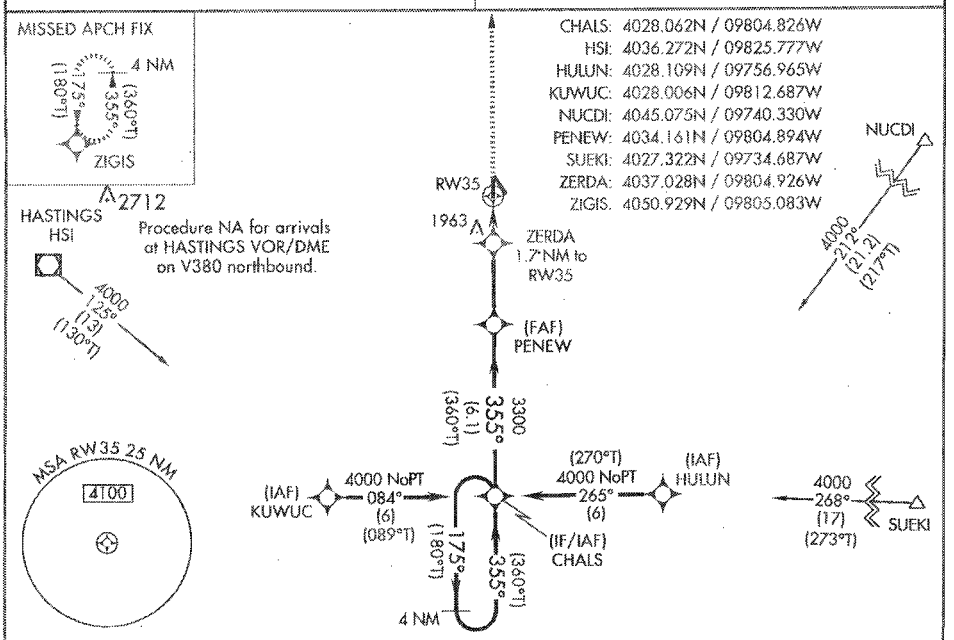
RNAV (GPS) RWY 35
HARVARD STATE (Ø8K)

WAAS CH 86531 W35A	APP CRS 355°	Rwy ldg 3722 THRE 1806 Apt Elev 1815

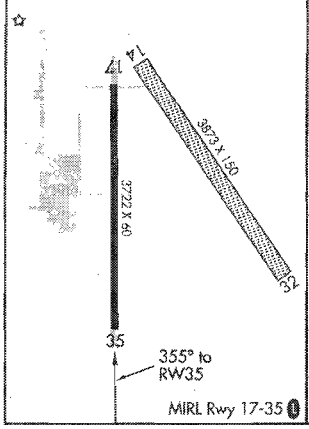
For uncompensated BARO-VNAV systems, procedure NA below -18°C (0°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Use Aurora Muni altimeter setting; if not received, use Central Nebraska Rgnl altimeter setting and increase all DA 18 feet, increase all MDA 20 feet. A/B to ⅞ mile. BARO/VNAV NA.

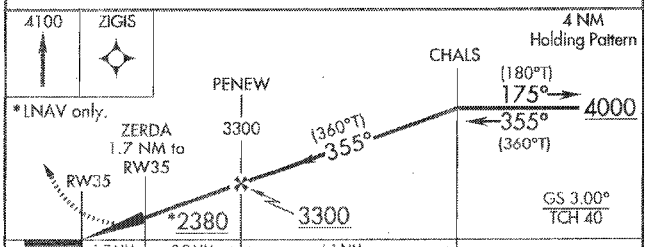
MISSED APPROACH: Climb to 4100 direct ZIGIS and hold.

MINNEAPOLIS CENTER	CTAF
119.4 278.8	122.9



ELEV 1815 THRE 1806



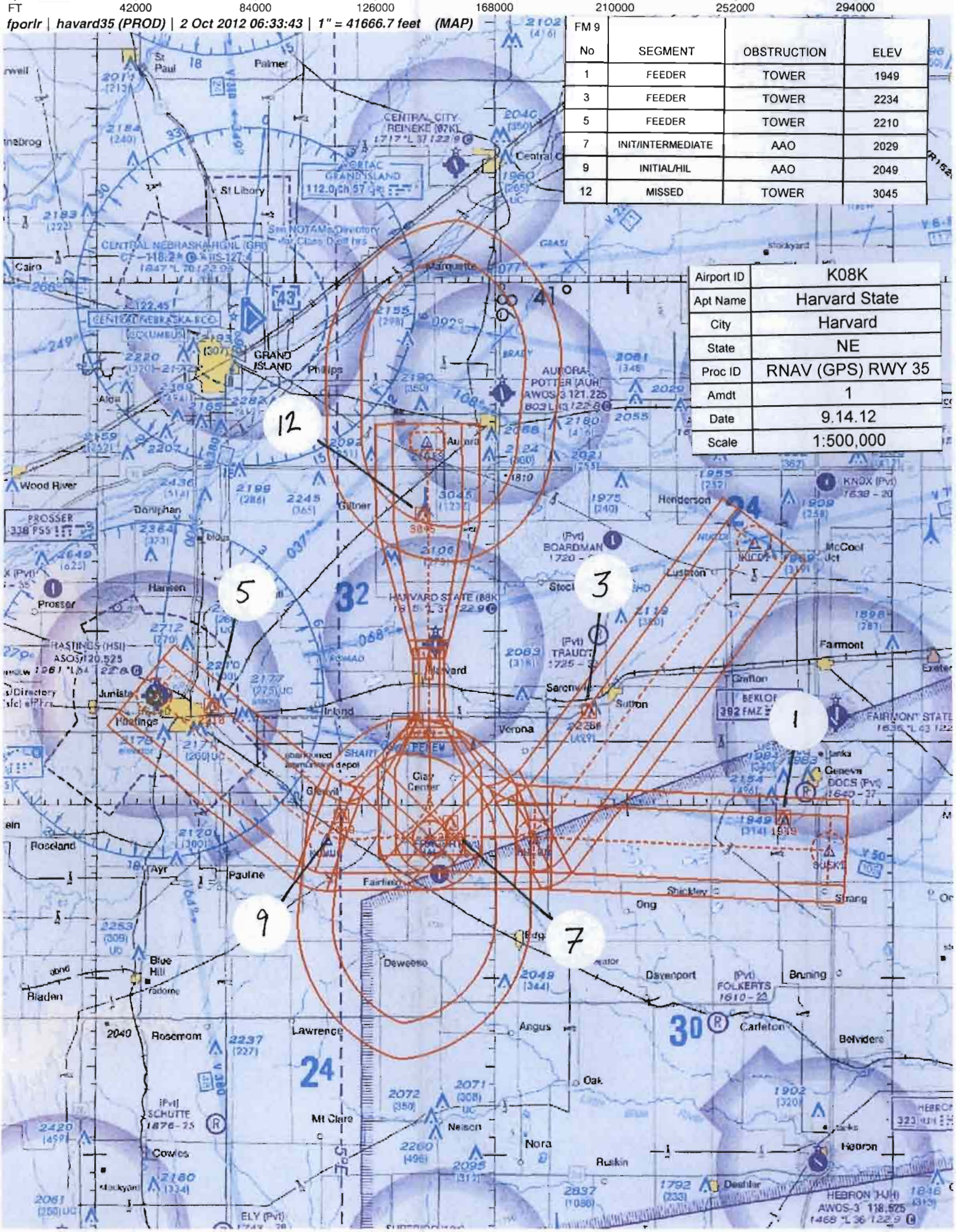


CATEGORY	A	B	C	D
LPV DA	2043-1 237 (300-1)		NA	
LNAV/VNAV DA	2093-1 287 (300-1)		NA	
LNAV MDA	2300-1 494 (500-1)		NA	
CIRCLING	2300-1 485 (500-1)		NA	

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fporlr | havard35 (PROD) | 2 Oct 2012 06:33:43 | 1" = 41666.7 feet (MAP)

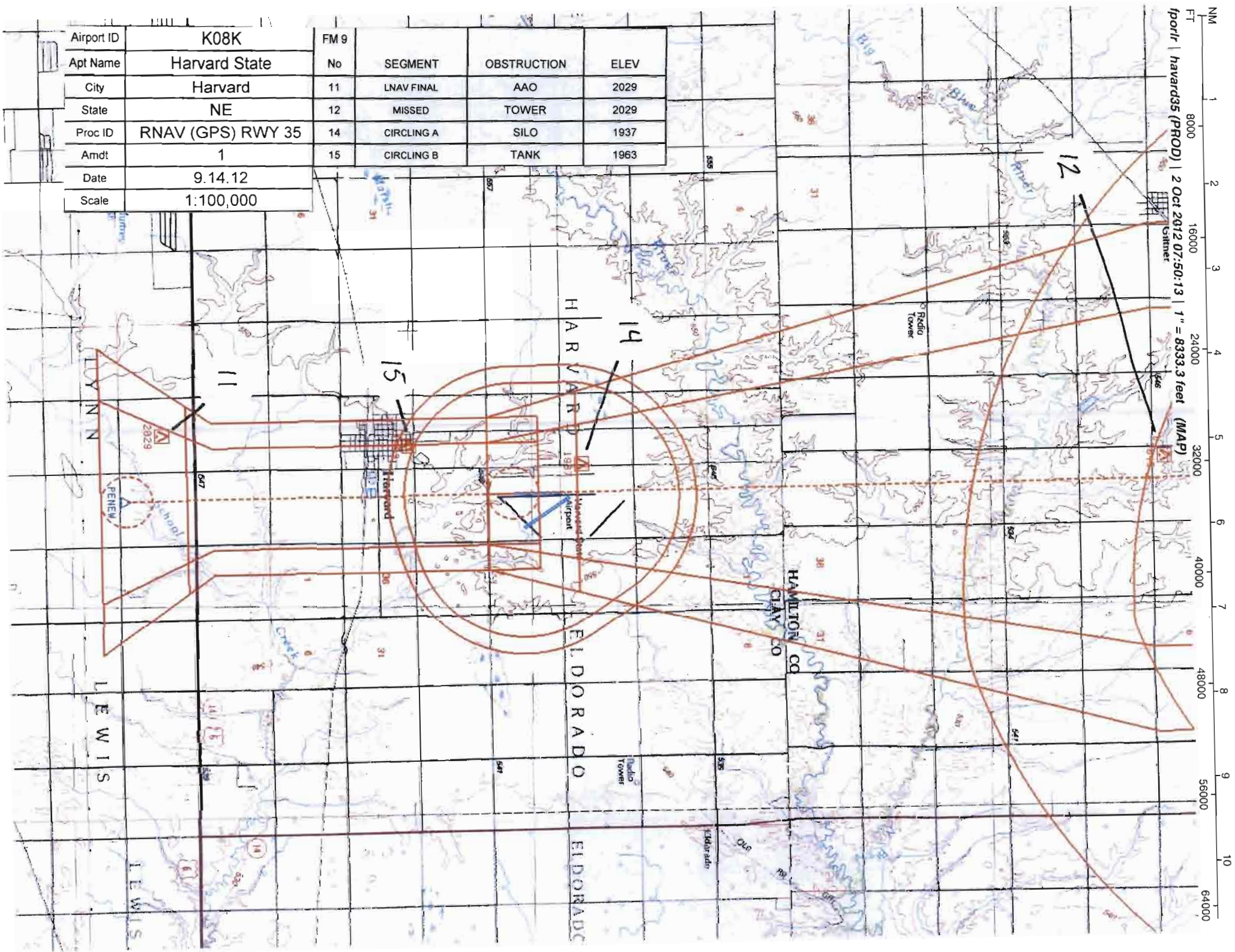


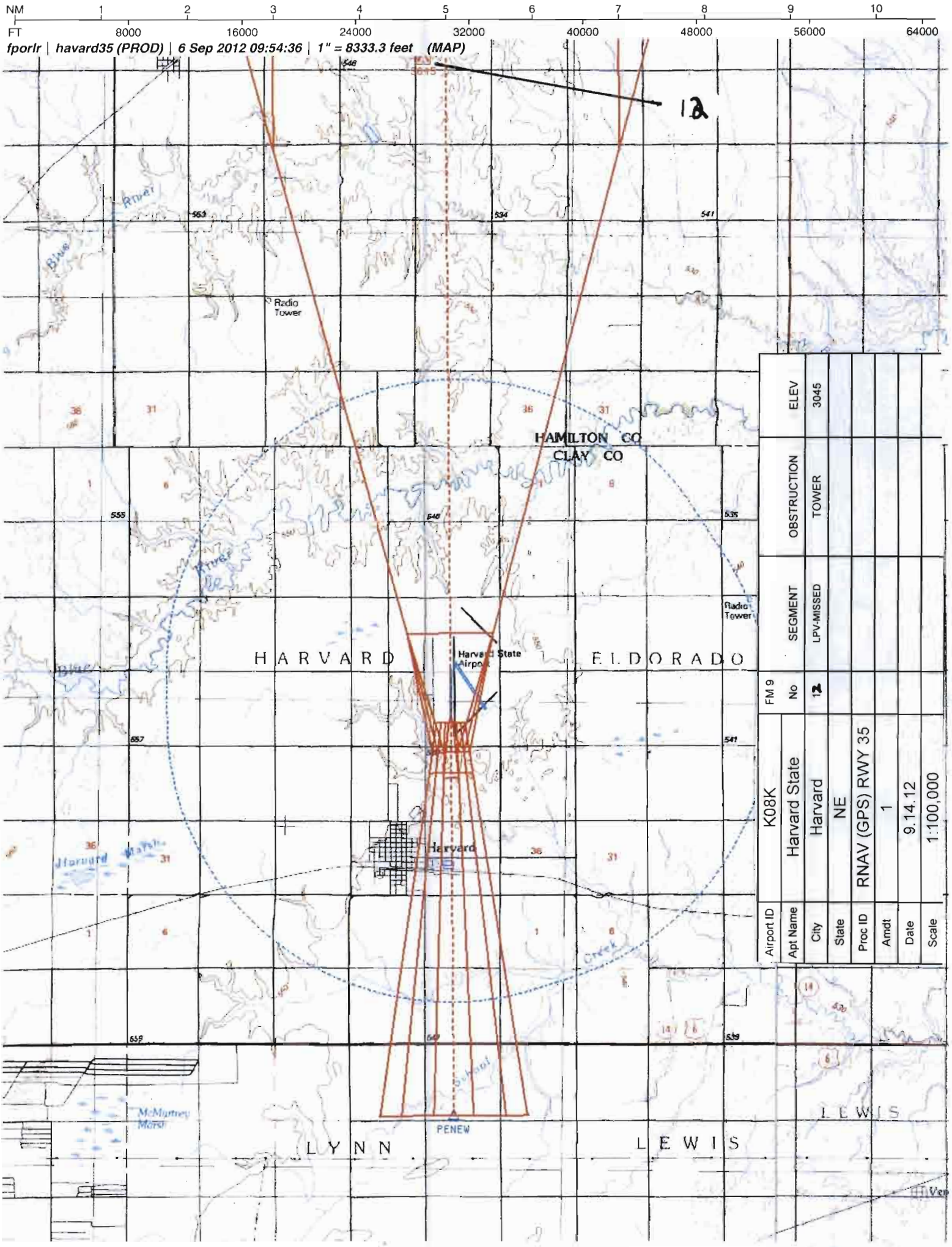
FM 9 No	SEGMENT	OBSTRUCTION	ELEV
1	FEEDER	TOWER	1949
3	FEEDER	TOWER	2234
5	FEEDER	TOWER	2210
7	INIT/INTERMEDIATE	AAO	2029
9	INITIAL/HIL	AAO	2049
12	MISSED	TOWER	3045

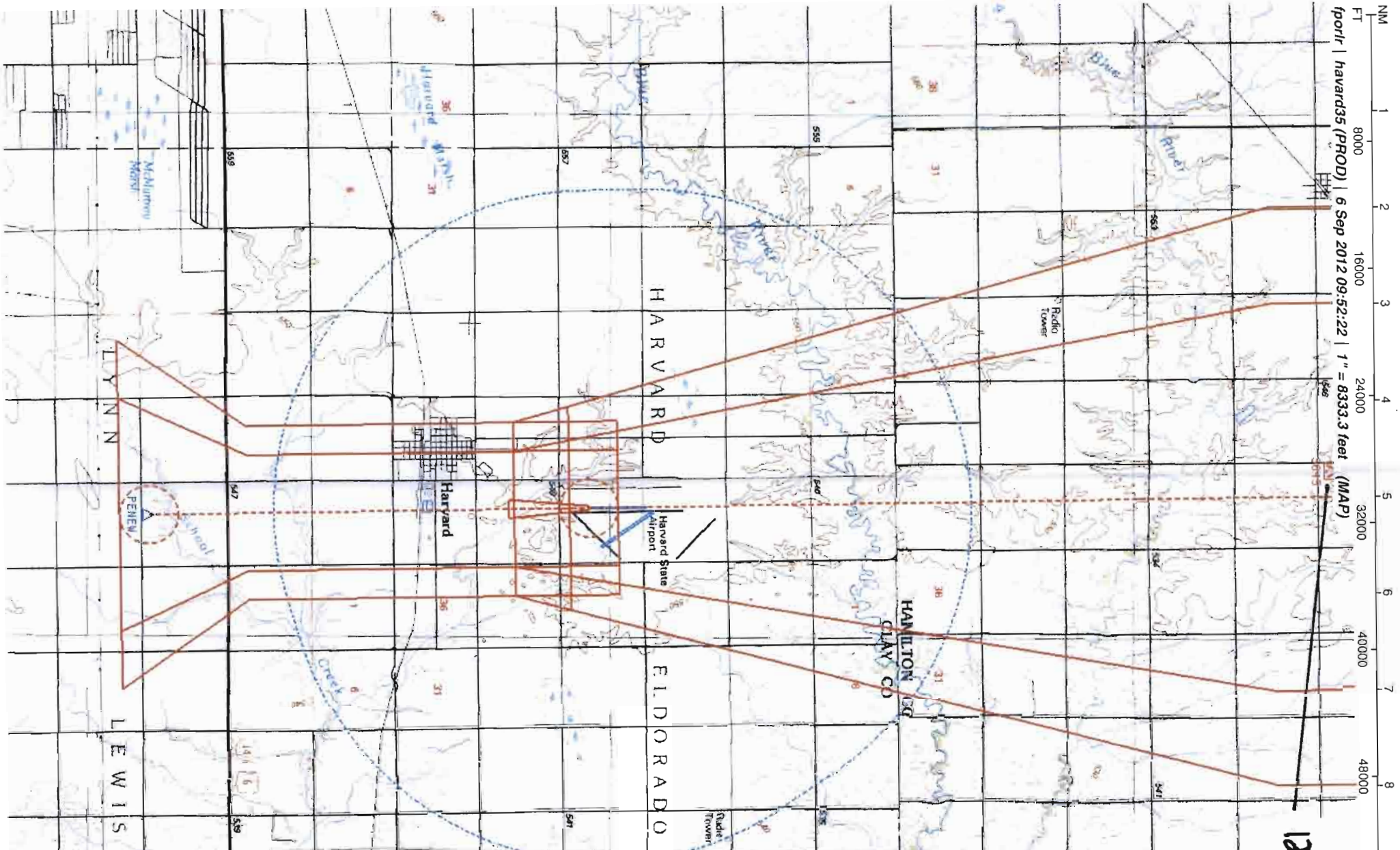
Airport ID	K08K
Apt Name	Harvard State
City	Harvard
State	NE
Proc ID	RNAV (GPS) RWY 35
Amdt	1
Date	9.14.12
Scale	1:500,000

Airport ID	K08K
Apt Name	Harvard State
City	Harvard
State	NE
Proc ID	RNAV (GPS) RWY 35
Amdt	1
Date	9.14.12
Scale	1:100,000

FM 9 No	SEGMENT	OBSTRUCTION	ELEV
11	LNAV FINAL	AAO	2029
12	MISSED	TOWER	2029
14	CIRCLING A	SILO	1937
15	CIRCLING B	TANK	1963




NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fporlr | havard35 (PROD) | 6 Sep 2012 09:54:36 | 1" = 8333.3 feet (MAP)
12
Radio Tower
HAMILTON CO
CLAY CO
HARVARD
ELDORADO
Harvard State Airport
Harvard
PENEW
LYNN
LEWIS
LEWIS
McMurtrey Marsh
ELEV 3045
OBSTRUCTION TOWER
SEGMENT LPV-MISSED
FM 9 No 12
Airport ID K08K
Apt Name Harvard State
City Harvard
State NE
Proc ID RNAV (GPS) RWY 35
Amdt 1
Date 9.14.12
Scale 1:100,000



Airport ID	K08K	FM 9			
Apt Name	Harvard State	No	SEGMENT	OBSTRUCTION	ELEV
City	Harvard	12	LNAV/VNAV-MISSED	TOWER	3045
State	NE				
Proc ID	RNAV (GPS) RWY 35				
Amdt	1				
Date	9.14.12				
Scale	1:100,000				

US 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SUEKI	HULUN (FB)	267.77 / 17.02	4000
NUCDI	HULUN (FB)	211.86 / 21.17	4000
HSI VOR/DME	KUWUC (FB)	124.54 / 12.96	4000
HULUN (IAF)	CHALS (NOPT) (FB)	264.60 / 6.00	4000
KUWUC (IAF)	CHALS (NOPT) (FB)	084.42 / 6.00	4000
CHALS (IF/IAF)	PENEW (FB)	354.51 / 6.10	3300
PENEW (FAF)	RW35 (MAP) (FO)	354.51 / 4.56	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 4100 DIRECT ZIGIS AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, LT, 174.51 INBOUND.
FAS OBST: 2029 AAO 403430N/0980554W
DISTANCE TO THLD FROM 237 HATH: 0.62 NM.
WAAS CHANNEL # 86531
REFERENCE PATH ID: W35A
CHART AURORA AWOS-3
LTP HAE: 524.8 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S CHALS, LT, 354.51 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 354.51 FAF: PENEW DIST FAF TO MAP: 4.56 THLD: 4.56
4. MIN. ALT: CHALS 4000, PENEW 3300
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3300 GS ALT AT: PENEW 3300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW35 4100

MAG VAR: 5E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: 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
LPV DA	2043	1	237	2043	1	237		NA			NA				
LNAV/VNAV DA	2093	1	287	2093	1	287		NA			NA				
LNAV MDA	2320	1	514	2320	1	514		NA			NA				
CIRCLING	2320	1	505	2320	1	505		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: USE AURORA MUNI ALTIMETER SETTING; WHEN NOT RECEIVED, USE CENTRAL NEBRASKA RGNL ALTIMETER SETTING AND INCREASE ALL DA 18 FEET, AND ALL MDA 20 FEET.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HSI VOR/DME ON V380 NORTHBOUND.
(SEE FORM 8260-10)

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1815 THRE: 1806	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HARVARD, NE	AIRPORT NAME: HARVARD STATE	RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
				DATED 01/13/2011

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]	[X] **ZMP, NE STATE AERO, AMGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **RODNEY L. RUMSEY**	FIFO **AJV-353**	DATE: **09/07/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. FIX PENEW MOVED 336FT TOWARD RUNWAY.
2. FIX CHALS MOVED 296FT TOWARD RUNWAY.
3. FIX HULUN MOVED 6072.58FT OUTWARD.
4. FIX KUWUC MOVED 6094.35FT OUTWARD.
5. TERMINAL ROUTE FROM SUEKI TO HULUN CHANGED FROM 267.76/18.02 TO 267.77/17.02.
6. TERMINAL ROUTE FROM NUCDI TO HULUN CHANGED FROM 214.04/21.74 TO 211.86/21.17.
7. TERMINAL ROUTE FROM HSI VOR/DME TO KUWUC CHANGED FROM 121.68/13.71 TO 124.54/12.96.
8. FINAL COURSE CHANGED FROM 354.50M TO 354.51M.
9. MISSED APPROACH MOVED FROM CHALS TO NEW FIX ZEGIS.
10. ADDED LPV AND LNAV/VNAV MINIMUMS.
11. 34:1 SLOPE CLEAR.

REASONS:

1. RELOCATED TO PFAF LAT/LONG.
2. FIX MOVED WHEN PFAF LOCATION CHANGED.
3 & 4. FIX MOVED FOR .54 CRITERIA.
5 & 6. DUE TO FIX HULUN MOVE AT IAF.
7. DUE TO FIX KUWUC MOVE AT IAF.
8. NEW TRUE BEARING ON FINAL.
9 & 10. PER FPT REQUEST.
11. NEW SURVEY VERIFIED DATA.

QUALITY 2 CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW35 (MAP)	2043 MSL	354.51	
2043 MSL	ZIGIS (FO)		4100

NOTES, (CONT.):
CHART NOTE: BARO-VNAV NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1815 THRE: 1806	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARVARD, NE	AIRPORT NAME: HARVARD STATE	RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
				DATED: 01/13/2011

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

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:

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	08K
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	403843.7250N
LTP/FTP LONGITUDE	0980456.7165W
LTP/FTP ELLIPSOIDAL HEIGHT	+05248
FPAP LATITUDE	404012.8800N
FPAP LONGITUDE	0980457.7200W
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	1616
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	AEBB864C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05505
FPAP ORTHOMETRIC HEIGHT	+05505

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1815 THRE: 1806	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARVARD, NE	AIRPORT NAME: HARVARD STATE	RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
				DATED: 01/13/2011

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

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:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        HSI   K3010880VDLA N40361633W098254662    N40361633W098254662E0070019571     NARHASTINGS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CHALS K30    W     N40280372W098044955                      E0047     NAR           CHALS
        SUSAEAENRT   HULUN K30    W     N40280653W097565787                      E0046     NAR           HULUN
        SUSAEAENRT   KUWUC K30    W     N40280037W098124122                      E0047     NAR           KUWUC
        SUSAEAENRT   NUCDI K30    R   L N40450447W097401978                      E0044     NAR           NUCDI
        SUSAEAENRT   PENEW K30    W     N40340966W098045365                      E0047     NAR           PENEW
        SUSAEAENRT   SUEKI K30    R   L N40271932W097344122                      E0043     NAR           SUEKI
        SUSAEAENRT   ZIGIS K30    W     N40505572W098050496                      E0046     NAR           ZIGIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 08K K3A08K     0     037YHN40390480W098044760E005001815         1800018000C    MNAR    HARVARD STATE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 08K K3FR35   ACHALS 010CHALSK3EA0EE AL   HF                    35450040    + 04000     18000                A JS
        SUSAP 08K K3FR35   AHSI   010HSI  K3D 0V       IF                                            18000                A JS
        SUSAP 08K K3FR35   AHSI   020KUWUCK3EA0E  A 020TF                    12450130    + 04000                          A JS
        SUSAP 08K K3FR35   AHSI   030CHALSK3EA0EE B 010TF                    08440060    + 04000                          A JS
        SUSAP 08K K3FR35   ANUCDI 010NUCDIK3EA0E       IF                                            18000                A JS
        SUSAP 08K K3FR35   ANUCDI 020HULUNK3EA0E  A 020TF                    21190212    + 04000                          A JS
        SUSAP 08K K3FR35   ANUCDI 030CHALSK3EA0EE B 010TF                    26460060    + 04000                          A JS
        SUSAP 08K K3FR35   ASUEKI 010SUEKIK3EA0E       IF                                            18000                A JS
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        SUSAP 08K K3FR35   ASUEKI 030CHALSK3EA0EE B 010TF                    26460060    + 04000                          A JS
        SUSAP 08K K3FR35   R      010CHALSK3EA0E  I    IF                                + 04000     18000                A JS
        SUSAP 08K K3FR35   R      020PENEWK3EA1E  F 051TF                    35450061    + 03300                 RW35  K3PGA JS
        SUSAP 08K K3FR35   R      020PENEWK3EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP 08K K3FR35   R      030RW35 K3PG0GY M 031TF                    35450046      01846             -300          A JS
        SUSAP 08K K3FR35   R      040         0  M     CA                    3545        + 02043                          A JS
        SUSAP 08K K3FR35   R      050ZIGISK3EA0EY      DF                                + 04100                          A JS
        SUSAP 08K K3FR35   R      060ZIGISK3EA0EE  L   HM                    17450040    + 04100                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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CITY AND STATE	ELEVATION: 1815 THRE: 1806	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HARVARD, NE	AIRPORT NAME: HARVARD STATE	RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
				DATED: 01/13/2011

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

COORDINATED WITH:

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

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP 08K K3GRW35    0037223545 N40384373W098045672+0200    +0524801806000040060R
                  1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP 08K K3PR35   RW35 001 0000W35A0N4038437250W09804567165+052480300N4040128800W098045772001067516160004 00F500350AEBB864C
        SUSAP 08K K3PR35   RW35 002E      +05505+05505LPV       86531
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP 08K K3SRW35 K3PG                0   18018004125                                                                    M
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1815 THRE: 1806	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HARVARD, NE	AIRPORT NAME: HARVARD STATE	RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
				DATED: 01/13/2011

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

COORDINATED WITH:

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

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CHALS	CHALS	010	IAF	HF	L	FO		354.5(359.5T)	004.0	AA 04000	
	HSI	HSI	010		IF		FB					
	HSI	KUWUC	020	IAF	TF		FB	2.0	124.5(129.5T)	013.0	AA 04000	
	HSI	CHALS	030		TF		FB	1.0	084.4(089.4T)	006.0	AA 04000	
	NUCDI	NUCDI	010		IF		FB					
	NUCDI	HULUN	020	IAF	TF		FB	2.0	211.9(216.9T)	021.2	AA 04000	
	NUCDI	CHALS	030		TF		FB	1.0	264.6(269.6T)	006.0	AA 04000	
	SUEKI	SUEKI	010		IF		FB					
	SUEKI	HULUN	020	IAF	TF		FB	2.0	267.8(272.8T)	017.0	AA 04000	
	SUEKI	CHALS	030		TF		FB	1.0	264.6(269.6T)	006.0	AA 04000	
		CHALS	010	FACF	IF		FB				AA 04000	
		PENEW	020	FAF	TF		FB	0.5	354.5(359.5T)	006.1	AA 03300	
		RW35	030	MAP	TF		FO	0.3	354.5(359.5T)	004.6	AT 01846	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		354.5(359.5T)		AA 02043	
	ZIGIS	050		DF		FO				AA 04100	
	ZIGIS	060		HM	L	FO		174.5(179.5T)	004.0	AA 04100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HSI	N403616.33	W0982546.62	N4036.272	W09825.777
	CHALS	N402803.72	W0980449.55	N4028.062	W09804.826
	HULUN	N402806.53	W0975657.87	N4028.109	W09756.965
	KUWUC	N402800.37	W0981241.22	N4028.006	W09812.687
	NUCDI	N404504.47	W0974019.78	N4045.075	W09740.330
	PENEW	N403409.66	W0980453.65	N4034.161	W09804.894
	SUEKI	N402719.32	W0973441.22	N4027.322	W09734.687
	ZIGIS	N405055.72	W0980504.96	N4050.929	W09805.083
	RW35	N403843.73	W0980456.72	N4038.729	W09804.945

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	01806	40

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 1815 THRE: 1806	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HARVARD, NE	AIRPORT NAME: HARVARD STATE	RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
				DATED: 01/13/2011

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

COORDINATED WITH:

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

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

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	SUEKI	HULUN	1. TOWER (31-000838)	402849.58N/0973805.31W	1949 (1A)	1000	DG1051	4000
			2. TERRAIN	402842.00N/0975700.00W	1769 (1800)		AS1500	3300
FEEDER	NUCDI	HULUN	3. TOWER (31-001014)	403500.00N/0975246.00W	2234 (5D)	1000	AT766	4000
			4. TERRAIN	403321.00N/0975442.00W	1775 (1800)		AS1500	3300
FEEDER	HSI VOR/DME	KUWUC	5. TOWER (31-000267)	403521.00N/0982124.00W	2210 (4D)	1000	DG790	4000
			6. TERRAIN	403442.00N/0982712.00W	1966 (2000)		AS1500	3500
INITIAL	HULUN	CHALS	7. AAO	402833.00N/0980312.00W	2029 (2C)	1000	DG971	4000
			8. TERRAIN	402833.00N/0980312.00W	1821 (1800)		AS1500	3300
INITIAL	KUWUC	CHALS	9. AAO	402857.00N/0981130.00W	2049 (2C)	1000	DG951	4000
			10. TERRAIN	402857.00N/0981130.00W	1849 (1800)		AS1500	3300
INTERMEDIATE	CHALS (IF/IAF)	PENEW	7. AAO	482833.00N/0980312.00W	2029 (2C)	500		2600
			8. TERRAIN	402833.00N/0980312.00W	1829 (1800)		AS1500	3300
FINAL: LPV	PENEW	RW35				ASC	RA37	2043/237
FINAL: LNAV/VNAV	PENEW	RW35				ASC	RA37	2093/287
2. HOLD-IN-LIEU-OF-PT	CHALS	P-5	9. AAO	402857.00N/0981130.00W	2049 (2C)	1000	DG951	4000
			10. TERRAIN	402857.00N/0981130.00W	1849 (1800)		AS1500	3300
3. MISSED APPROACH MAP:	DA / DA / RW35	ZIGIS				ASC		4100
			12. TOWER (31-000259)	404620.00N/0980522.00W	3045 (5D)	1000		4100
ELEV:	1862/1951/2183		13. TERRAIN	405006.00N/0980557.00W	1859 (1900)		AS1500	3400
			14. SILO (K08KT0071)	403927.86N/0980522.33W	1937 (1A)	300	SI	2320
			15. TANK (31-000945)	403726.21N/0980542.33W	1963 (2C)	300	SI	2320

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	505
CATEGORY B	1.5 NM	450	505
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW35

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (31-000259)	353/ 07.6	3045 (5D)	4100					

CITY AND STATE	ELEVATION: 1815 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
HARVARD, NE	HARVARD STATE	RNAV	RNAV (GPS) RWY 35, AMDT 1	ACE

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZMP ARTCC COLUMBUS FSS		N W S	OTHER: AWOS	SOURCE: KAUH / KGRI
		F A A		DISTANCE: 15.07 / 21.66
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION: 24 / BACKUP
X V H F X U H F H F	LOCATION: KAUH			ADJUSTMENT: 37 / 55

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 17 (PCL), 35 (PCL)
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 17, 35
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 1806.2
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 40.0

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

10. WAIVERS: NONE

PART D - PREPARED BY: RODNEY L. RUMSEY	DATE: 09/07/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - REMOTE ALTIMETER IN USE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

30FT VEGETATION USED IN FINAL.

NO ADDITIONAL AIRSPACE REQUIRED.

VEGETATION HEIGHT 30 FEET PER FPO.

RWY 14/32 IS A TURF RUNWAY.

FIX NAME KUWUC RETAINED AT ATC REQUEST.

VGSIDATA: NONE

RASS PRESSURE PATTERNS SAME
KAUH 1803, KGRI 1847, K08K 1815
RA=36.2/54.4

QUALITY 2 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV	**PENEW**	**RW35**	**11. AAO**	**403430.00N/0980554.00W**	**2029 (2C)**	**250**	**RA37**	**2320**

3. MISSED APPROACH									
	MAP:								
	ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
CATEGORY B	1.5 NM		450							
CATEGORY C	1.7 NM		450							
CATEGORY D	2.3 NM		550							
CATEGORY E	4.5 NM		550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
HARVARD, NE	**ELEVATION: 1815** AIRPORT NAME: **HARVARD STATE**	**RNAV**	**RNAV (GPS) RWY 35, AMDT 1**	**ACE**

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
SATISFACTORY ON:		N W S	OTHER:	SOURCE:
				DISTANCE:
		F A A		HOURS REMOTE OPERATION:
		A / C		
V H F / U H F / H F	LOCATION:			ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
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	FT. FROM THRESHOLD
		ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHALS **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 402803.72N/0980449.55W **TYPE:** WP

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

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	S		WP	174.51	354.51	L		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	402857.00N/0981130.00W	2049	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 OBSTACLES

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 17		1	K08K	HARVARD	NE (US)
IAP	RNAV (GPS) RWY 35		1	K08K	HARVARD	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW COORDINATES, FIX MOVED 296 FEET NORTH.
UPDATE HOLDING, CHANGED INBOUND COURSE FROM 354.50 TO 354.51.
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 09/06/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HULUN **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 402806.53N/0975657.87W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
NAME RETAINED FOR ATC OPERATION REQUIREMENT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 35			K08K	HARVARD	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
UPDATED LAT/LONG.
FIX MOVED 1NM.

DEVELOPED BY: **DATE:** 09/06/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KUWUC **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 402800.37N/0981241.22W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
NAME RETAINED FOR ATC OPERATION REQUIREMENT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 35			K08K	HARVARD	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
UPDATED LAT/LONG.
FIX MOVED 1NM.

DEVELOPED BY: **DATE:** 09/06/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PENEW **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 403409.66N/0980453.65W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 35			K08K	HARVARD	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW COORDINATES, FIX MOVED 336 FEET NORTH.

DEVELOPED BY: **DATE:** 09/06/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZIGIS **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 405055.72N/0980504.96W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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	N		WP	354.51	174.51	L		4	4100	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (31-000259)	404620.00N/0980522.00W	3045	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 HOLDING AWAY FROM ADJACENT AIRPORT

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 17		1	K08K	HARVARD	NE (US)
IAP	RNAV (GPS) RWY 35		1	K08K	HARVARD	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/06/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HASTINGS VOR/DME **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 403616.33N/0982546.62W **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	FEET	MRA	MAA
1	HASTINGS	HSI	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	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	HSI	VOR/DME	331.00	151.00	R	1		3800	6000	4	5
2	SW	HSI	VOR/DME	212.23	032.23	L	1		3800	6000	4	5
3	SE	HSI	VOR/DME	133.87	313.87	R	1		3800	6000	4	5
4	E		WP	080.00	260.00	R		10	21000	45000	19	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	POLE (KHSIT0686)	403856.73N/0982301.85W	2712	1A
1	200	POLE (KHSIT0686)	403856.73N/0982301.85W	2712	1A
2	200	POLE (KHSIT0686)	403856.73N/0982301.85W	2712	1A
3	200	POLE (KHSIT0686)	403856.73N/0982301.85W	2712	1A

REASON FOR NONSTANDARD HOLDING:
PAT 2 AIRWAY DECONFLICTION

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3800
HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V220					(US)
EN ROUTE	V380					(US)
EN ROUTE	V50					(US)
EN ROUTE	V79					(US)
IAP	VOR-A			KAUH	AURORA	NE (US)
IAP	NDB RWY 17			KFMZ	FAIRMONT	NE (US)
IAP	NDB RWY 35			KFMZ	FAIRMONT	NE (US)
IAP	RNAV (GPS) RWY 17			KFMZ	FAIRMONT	NE (US)
IAP	RNAV (GPS) RWY 35			KFMZ	FAIRMONT	NE (US)
IAP	RNAV (GPS) RWY 31			KGRI	GRAND ISLAND	NE (US)
IAP	RNAV (GPS) RWY 35			KGRI	GRAND ISLAND	NE (US)
IAP	RNAV (GPS) RWY 17			K08K	HARVARD	NE (US)
IAP	RNAV (GPS) RWY 35			K08K	HARVARD	NE (US)
IAP	RNAV (GPS) RWY 4			KHSI	HASTINGS	NE (US)
IAP	VOR RWY 14		1	KHSI	HASTINGS	NE (US)
IAP	VOR RWY 32		3	KHSI	HASTINGS	NE (US)
IAP	VOR RWY 4		2	KHSI	HASTINGS	NE (US)
IAP	ILS RWY 36			KEAR	KEARNEY	NE (US)
IAP	NDB RWY 36			KEAR	KEARNEY	NE (US)
IAP	RNAV (GPS) RWY 36			KEAR	KEARNEY	NE (US)
IAP	RNAV (GPS) RWY 34			K0V3	MINDEN	NE (US)
IAP	VOR - A			K0V3	MINDEN	NE (US)
IAP	RNAV (GPS) RWY 16			K7V7	RED CLOUD	NE (US)
IAP	RNAV (GPS) RWY 34			K7V7	RED CLOUD	NE (US)
STAR	KOHOE (RNAV)		4	KBKF	AURORA	CO (US)
STAR	KOHOE (RNAV)		4	KDEN	DENVER	CO (US)
STAR	WAHUU (RNAV)		4	KDEN	DENVER	CO (US)
STAR	KOHOE (RNAV)		4	KFTG	DENVER	CO (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED FIX USE
ADDED HOLDING PAT 4
ADDED STAR AND ENROUTE HIGH TO REQUIRED CHARTING PER ATC REQUEST

INFORMATION ONLY
QUALITY 2 CHECKED

DEVELOPED BY:	**DATE:** 03/10/2012	**OFFICE:** AJV-354	**NAME:** CHARLES SCHNEIDER
APPROVED BY:	**DATE:**	**OFFICE:** AJV-354	**NAME:** DEZ SILAGYI
	SIGNATURE:		

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NUCDI **STATE:** NE **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 404504.47N/0974019.78W **TYPE:** INT, DME

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	HASTINGS	HSI	VOR/DME	L	068.48	075.48	35.68	35.68		4000	17500
2	GRAND ISLAND	GRI	VORTAC	L	108.30	115.30	32.41	32.41		4000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V61	1, 2				(US)
EN ROUTE	V79	1, 2				(US)
IAP	RNAV (GPS) RWY 34			K07K	CENTRAL CITY	NE (US)
IAP	RNAV (GPS) RWY 17			KFBY	FAIRBURY	NE (US)
IAP	RNAV (GPS) RWY 35			K08K	HARVARD	NE (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 01/13/2011

REASON FOR REVISION:
UPDATE FAC 1, ADDED 35.68 TO DIST FROM FAC.
UPDATE FAC 2, ADDED 32.41 TO DIST FROM FAC.
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 05/11/2010 **OFFICE:** AVN-120 **NAME:** LARRY STROUT (HERMAN ROGERS)

APPROVED BY: **DATE:** 11/03/2010 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

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

QUALITY CHECKED 2

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: SUEKI **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 402719.32N/0973441.22W **TYPE:** DME

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	HASTINGS	HSI	VOR/DME	L	095.65	102.65	39.97	39.97		4000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V50	1				(US)
IAP	RNAV (GPS) RWY 35			K08K	HARVARD	NE (US)
IAP	GPS RWY 12			KHJH	HEBRON	NE (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 01/13/2011

REASON FOR REVISION:
NEW COORDINATES, FIX MOVED 1379 FEET SW.
UPDATE FAC 1, CHANGED MAG/TRUE BRG FROM 095.33/102.33 TO 095.65/102.65 AND ADDED 39.97 TO DIST FROM FAC.
DELETED WP FAC 2 AND WP FROM FIX TYPE.
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 05/11/2010 **OFFICE:** AVN-120 **NAME:** LARRY STROUT (HERMAN ROGERS)

APPROVED BY: **DATE:** 11/03/2010 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

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

INFORMATION ONLY QUALITY 2 CHECKED