Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 01/26/2012	Task #: 201201262901380 1004	Request #: 20120126290138
Procedure: RNAV (GPS) Y RWY 35 L AMDT 2		**Airport ID:** KHRL	**Airport:** VALLEY INTL		**Reimbursable #:**
City: HARLINGEN	**ST:** TX	**GPS #:**		**Estimated Chart Date:** 11/15/2012	**FICO #:**
Fac ID: HRL	**Fac. Type:** Proc-S	**Specialist:** NICHOLAS JACKSON			P1

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	04/18/2012	07/24/2012	STEVEN SZUKALA	
QA:	07/24/2012	07/24/2012	STEVEN SZUKALA	
Liaison:	07/24/2012		K. Spurlin	P1;

Procedure Comments: ENROUTE **Remark Type:** INFORMATION PKG 3 of 5

HARLINGEN, TX VALLEY INTL (KHRL) RNAV (GPS) Y RWY 35L, AMDT 2 ENROUTE-YES FC BY 9/18/12 PUB 11/15/12

ATTACHED FORMS: 8260-3, 8260-9, 8260-10
8260-2(S): AVUDE, REV 2; BOTVE, REV 2 (INFO ONLY); BROWNSVILLE (BRO) VORTAC, REV 6; RELAX INT, REV 11; SIVIE, ORIG; ZIPIV, ORIG (INFO ONLY); CAKRA, REV 1 (CANCELLATION); ZEREG, REV 1 (CANCELLATION).

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

RNAV (GPS) Y RWY 35L

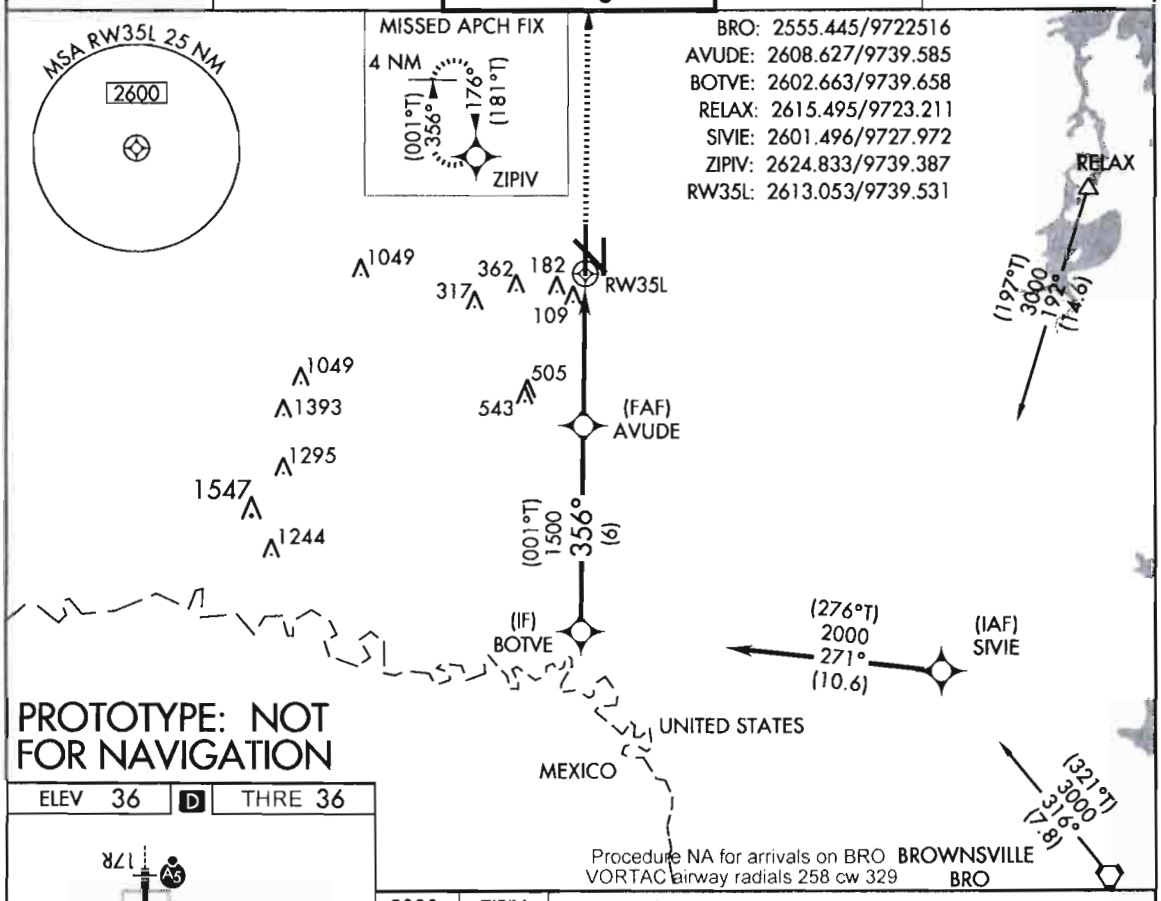
HARLINGEN/ VALLEY INTL (HRL)

WAAS CH 86530 W35B	APP CRS 356°	Rwy Idg 8301 THRE 36 Apt Elev 36

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Port Isabel altimeter setting and increase all DA 42 feet and all MDA 60 feet; increase LPV and LNAV/VNAV all Cats and LNAV Cats C/D visibility ⅛ mile, Circling Cat D visibility ¼ mile. Baro-VNAV and VDP NA with Port Isabel altimeter setting.

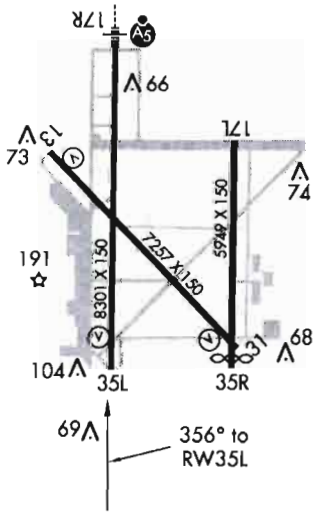
MISSED APPROACH: Climb to 2000 direct ZIPIV and hold.

ATIS	VALLEY APP CON	HARLINGEN TOWER ★	GND CON	UNICOM
124.85	120.7 239.0	119.3 (CTAF) Ⓛ 317.6	121.7	122.95

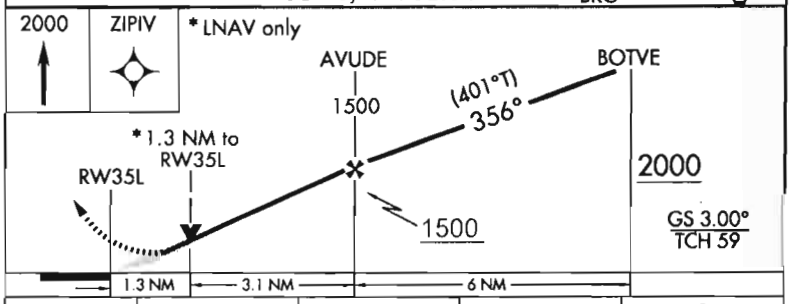


PROTOTYPE: NOT FOR NAVIGATION

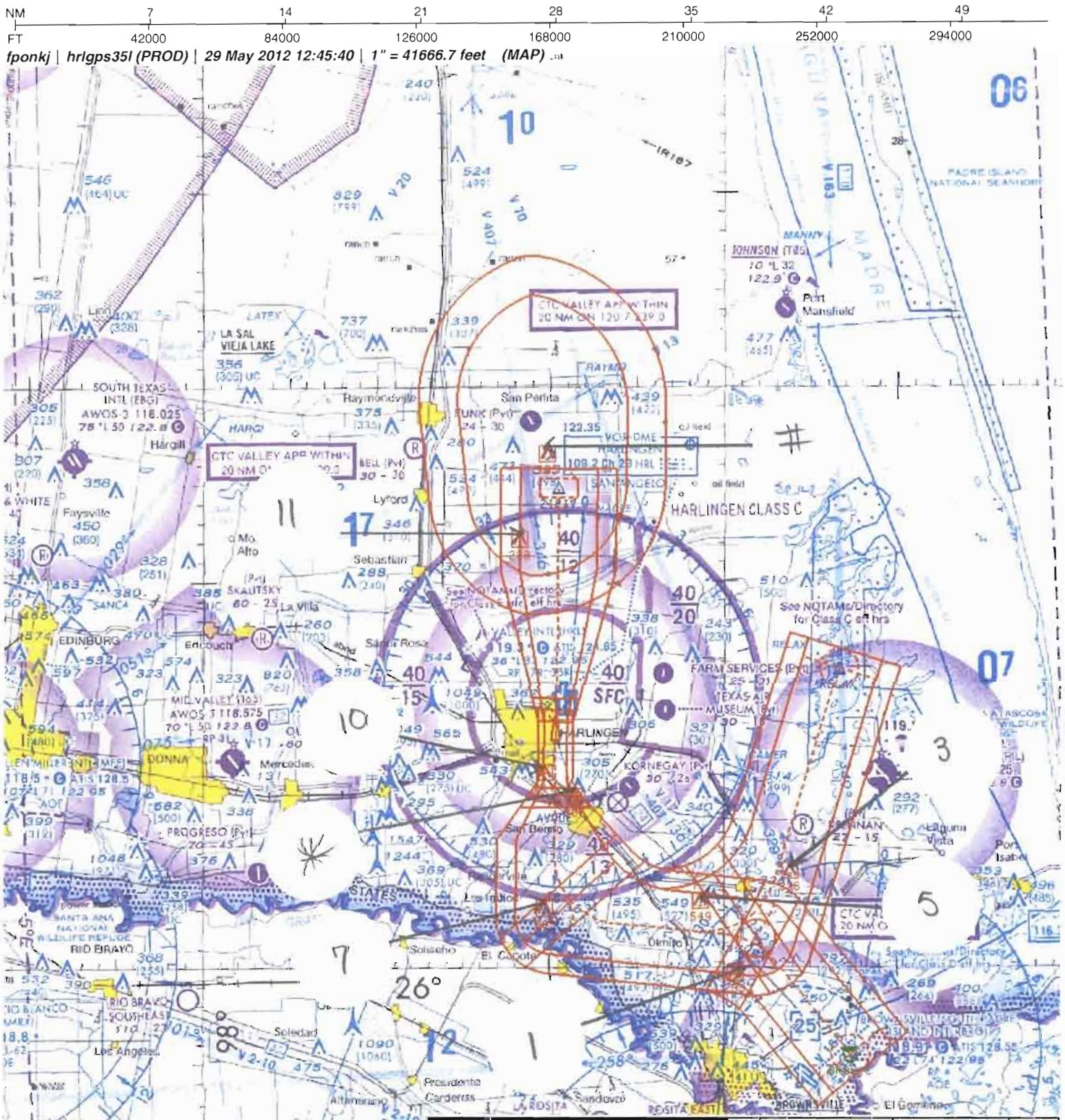
ELEV 36 Ⓓ THRE 36



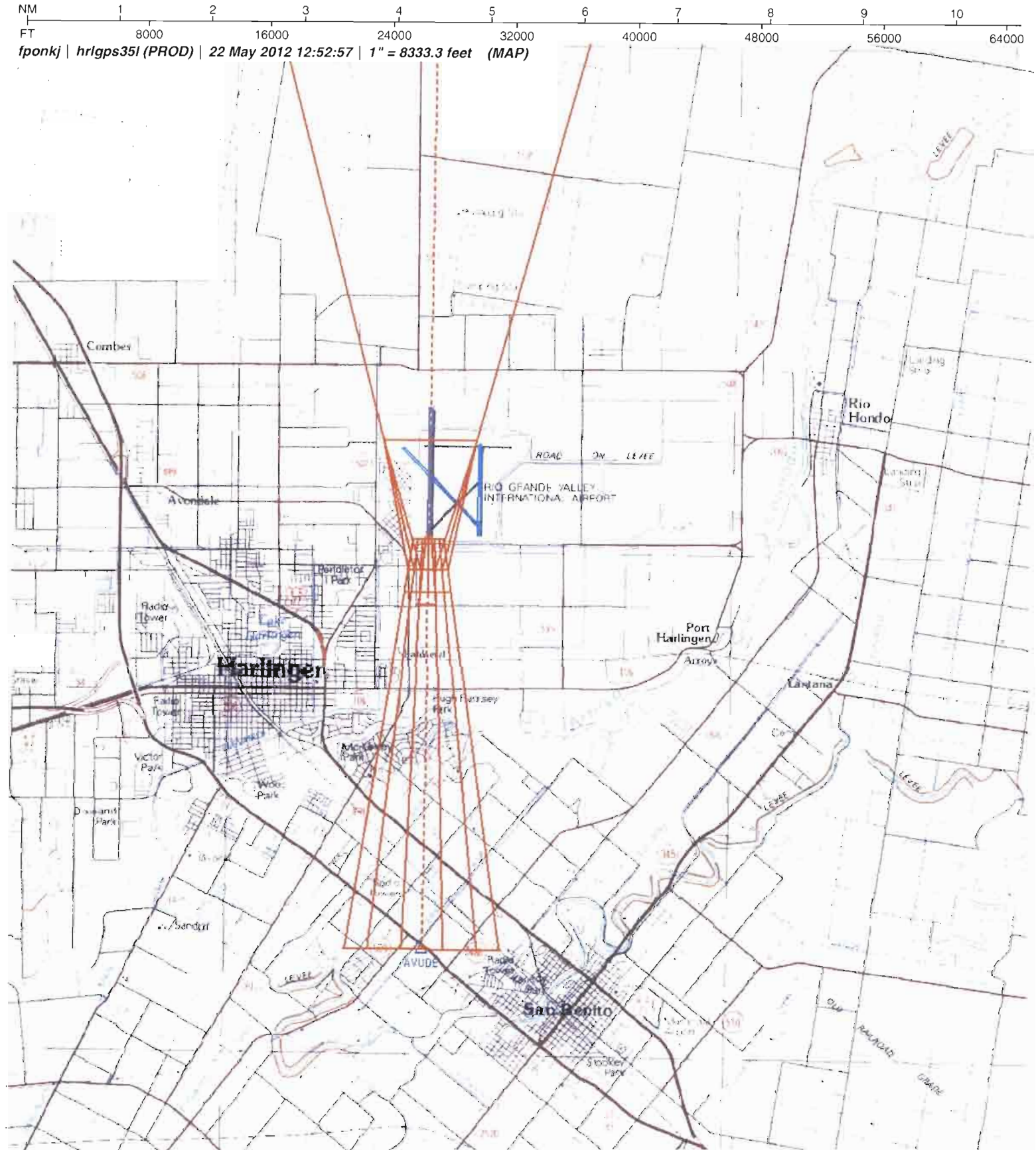
HIRL Rwy 17R-35L
REIL Rwys 13 and 17L
MIRL Rwys 13-31 and 17L-35R



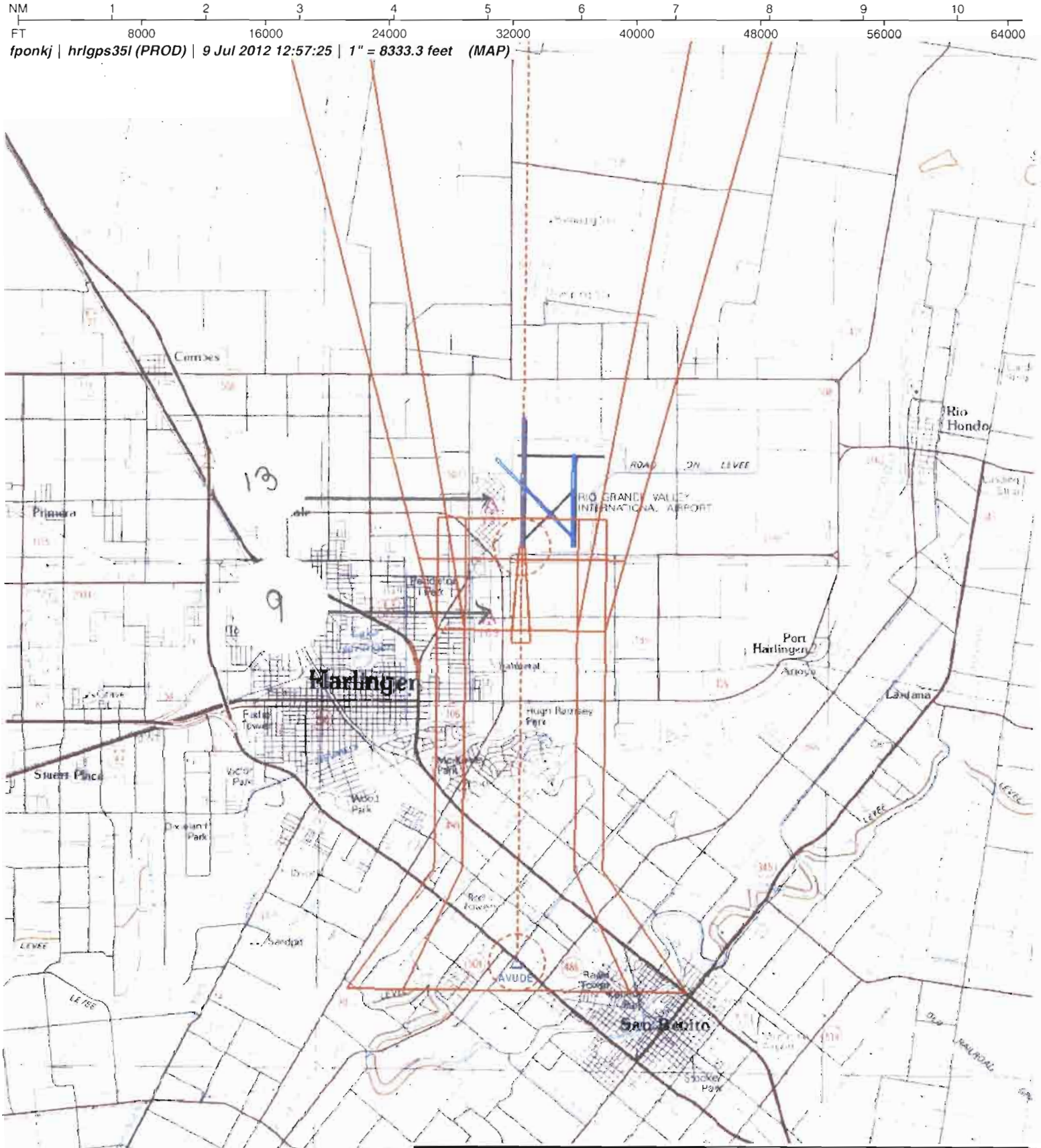
CATEGORY	A	B	C	D
LPV DA	286-¾ 250 (300-¾)			
LNAV/ VNAV DA	376-1⅛ 340 (500-1⅛)			
LNAV MDA	500-1 464 (500-1)		500-1⅜ 464 (500-1⅜)	
CIRCLING	500-1 464 (500-1)		500-1½ 464 (500-1½)	680-2 644 (700-2)



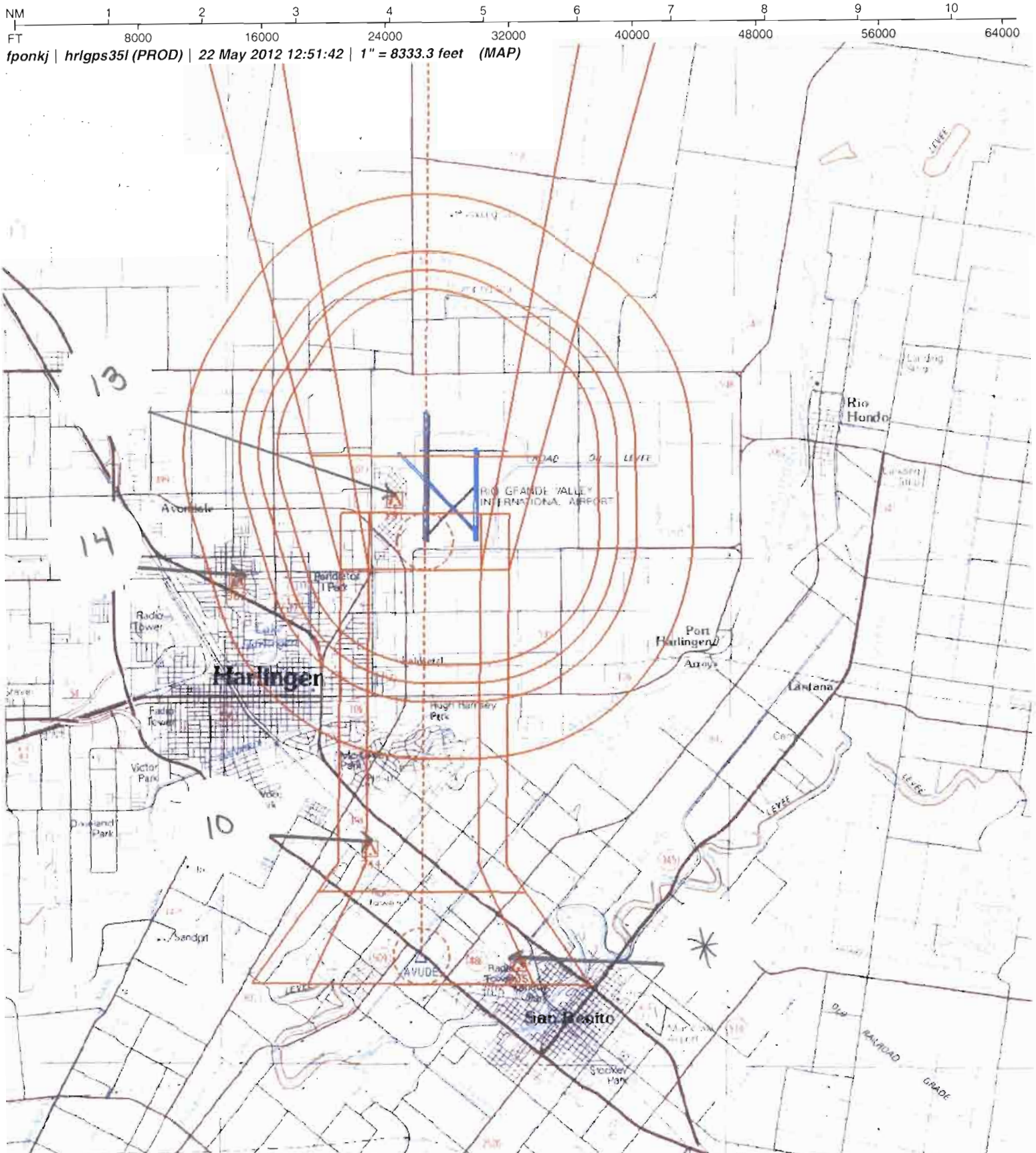
Airport ID:	KHRL	FM 9			
Apt Name:	VALLEY INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	HARLINGEN	1	FEEDER	AAO	253
State:	TX	3	FEEDER	TOWER	326
Scale:	1:500,000	5	INITIAL	TOWER	549
ProcID:	RNAV (GPS) RWY 35L	7	INTERMEDIATE	TOWER	363
Amdt.	2	*	7:1 OBSTACLE	TOWER	305
		10	LNAV FINAL	AAO	244
		11	MISSED	AAO	230
		#	HOLDING	TOWER	523



Airport ID:	KHRL	FM 9			
Apt Name:	VALLEY INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	HARLINGEN		LPV FINAL	ASC	
State:	TX				
Scale:	1:100,000				
ProcID:	RNAV (GPS) RWY 35L				
Amdt.	2				



Airport ID:	KHRL	FM 9			
Apt Name:	VALLEY INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	HARLINGEN	9	LNAV/VNAV FINAL	POLE	109
State:	TX	13	MA. ADJ OBS	TANK	191
Scale:	1:100,000				
ProcID:	RNAV (GPS) RWY 35L				
Amdt.	2				



Airport ID:	KHRL	FM 9			
Apt Name:	VALLEY INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	HARLINGEN	*	7:1 OBSTACLE	TOWER	305
State:	TX	10	LNAV FINAL	AAO	244
Scale:	1:100,000	13	CIRCLE A/B/C	TANK	191
ProcID:	RNAV (GPS) RWY 35L	14	CIRCLE D	TOWER	362
Amdt.	2				

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
BRO VORTAC	SIVIE (FB)	315.84 / 7.78	3000
RELAX	SIVIE (FB)	192.08 / 14.60	3000
SIVIE (IAF)	BOTVE (FB)	271.35 / 10.59	2000
BOTVE (IF)	AVUDE (FB)	355.63 / 5.95	1500
AVUDE (FAF)	RW35L (MAP) (FO)	355.63 / 4.41	
RW35L (MAP)	286 MSL	355.63	
286 MSL	ZIPIV (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35L

CLIMB TO 2000 DIRECT ZIPIV AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 175.63 INBOUND.
CHART FAS OBST: 109 POLE 261214N/0973955W
FAS OBST: 244 AAO 260942N/0974011W
CHART 305 TOWER 260828N/0973826W
DISTANCE TO THLD FROM 250 HATH: 0.60 NM.
CHART VDP AT 1.27 MILES TO RW35L*
*LNAV ONLY.
WAAS CHANNEL # 86530
REFERENCE PATH ID: W35B
LTP HAE: -11.8 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BOTVE
3. FAC: 355.63 FAF: AVUDE DIST FAF TO MAP: 4.41 THLD: 4.41
4. MIN. ALT: BOTVE 2000, AVUDE 1500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1500 GS ALT AT: AVUDE 1500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 59.0 34:1 IS CLEAR
8. MSA FROM: RW35L 2600

MAG VAR: 5E EPOCH YEAR: 2005

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	286	3/4	250	286	3/4	250	286	3/4	250	286	3/4	250			
LNAV/VNAV DA	376	1 1/8	340	376	1 1/8	340	376	1 1/8	340	376	1 1/8	340			
LNAV MDA	500	1	464	500	1	464	500	1 3/8	464	500	1 3/8	464			
CIRCLING	500	1	464	500	1	464	500	1 1/2	464	680	2	644			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORT ISABEL ALTIMETER SETTING AND INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CATS (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 36 THRE: 36 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HARLINGEN, TX	VALLEY INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2	AMDT: 1A
				DATED 09/20/2012

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

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[ ]	[X]	[X]	[X] **ZHU, VALLEY APP CON, HRL TOWER, AMGR**

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
JILL OLSON (NICHOLAS K. JACKSON)	**AJV-353**	**05/22/2012**

APPROVED BY

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

CHANGES:

1. ADDED LPV MINIMUMS.
2. REMOVED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MFE VOR/DME AIRWAY RADIALS 029 CW 168.
3. CHANGED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BRO VORTAC AIRWAY RADIALS 312 CW 349 TO AIRWAY RADIALS 258 CW 329.
4. REMOVED FEEDER SEGMENTS FROM RELAX/BRO VORTAC TO CAKRA.
5. REMOVED FEEDER SEGMENT FROM MFE VOR/DME TO ZEREG.
6. REMOVED INITIAL SEGMENTS FROM ZEREG/CAKRA TO BOTVE.
7. ADDED NEW INITIAL SEGMENT AND FIX NAME SIVIE.
8. DISTANCE FROM BOTVE TO AVUDE CHANGED FROM 6.00 TO 5.95.
9. DIST FAF TO MAP/THLD CHANGED FROM 4.36 TO 4.41.
10. LNAV/VNAV DA/HATH LOWERED FROM 460/424 TO 376/340 AND VISIBILITY CHANGED FROM 1 1/2 TO 1 1/8.
11. LNAV MDA/HATH LOWERED FROM 580/544 TO 500/464 AND CAT C VISIBILITY CHANGED FROM 1 1/2 TO 1 3/8, CAT D VISIBILITY CHANGED FROM 1 3/4 TO 1 3/8.
12. CIRCLING CATS A-C MDA/HAA LOWERED FROM 580/544 TO 500/464.
13. MISSED APPROACH FIX NAME CHANGED FROM BOMVE TO ZIPIV.
14. VDP CHANGED FROM 1.5NM TO 1.3NM.

REASONS:

1. IAW AFS-400 MEMORANDUM DTD NOV 18, 2010.
2. NOTES NO LONGER REQUIRED.
3. TURN AT NAVAID EXCEEDED 90 DEGREES.
4, 5, 6, 7. PER FPT CHECKLIST
8, 9. 8260.54A L-V RNP PFAF FORMULA APPLIED.
10. MISSED APPROACH ADJUSTMENT NO LONGER REQUIRED AND IAW 8260.3B CHG 20 TABLE 3-5A.
11. NEW CONTROLLING OBSTRUCTION AND IAW 8260.3B CHG 20 TABLE 3-5A.
12. MINIMUMS COINCIDENT WITH STRAIGHT IN MINIMUMS.
13. TO ALLEVIATE CONFUSION WITH FIX NAME BOTVE.
14. LNAV MDA LOWERED.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES, (CONT.):
C/D VISIBILITY 1/8 MILE, CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BRO VORTAC AIRWAY RADIALS 258 CW 329.
CHART NOTE: BARO-VNAV AND VDP NA WITH PORT ISABEL ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 36 THRE: 36 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARLINGEN, TX	VALLEY INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2	AMDT: 1A
				DATED: 09/20/2012

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:

REASONS:

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHRL
RUNWAY	RW35L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35B
LTP/FTP LATITUDE	261303.1700N
LTP/FTP LONGITUDE	0973931.8745W
LTP/FTP ELLIPSOIDAL HEIGHT	-00118
FPAP LATITUDE	261432.5300N
FPAP LONGITUDE	0973930.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	488ECAC7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00109
FPAP ORTHOMETRIC HEIGHT	+00109

QUALITY 1 CHECKED

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:

REASONS:

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BRO   K4011630VTHW N25552667W097223098    N25552667W097223098E0090000132     NARBROWNSVILLE

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AVUDE K40    W     N26083762W097393511                    E0044     NAR           AVUDE
        SUSAEAENRT   BOTVE K40    C     N26023976W097393946                    E0044     NAR           BOTVE
        SUSAEAENRT   RELAX K40    C   L N26152969W097231266                    E0043     NAR           RELAX
        SUSAEAENRT   SIVIE K40    W     N26012975W097275833                    E0043     NAR           SIVIE
        SUSAEAENRT   ZIPIV K40    W     N26244998W097392323                    E0044     NAR           ZIPIV

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4AHRL     0     083YHN26133760W097391850E005000036         1800018000C    MNAR    VALLEY INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4FR35LY ABRO    010BRO  K4D 0V       IF                                          18000                A JS
        SUSAP KHRLK4FR35LY ABRO    020SIVIEK4EA0E  A 020TF                    31580078    + 03000                      A JS
        SUSAP KHRLK4FR35LY ABRO    030BOTVEK4EA0EE B 010TF                    27140106    + 02000                      A JS
        SUSAP KHRLK4FR35LY ARELAX  010RELAXK4EA0E       IF                                          18000                A JS
        SUSAP KHRLK4FR35LY ARELAX  020SIVIEK4EA0E  A 020TF                    19210146    + 03000                      A JS
        SUSAP KHRLK4FR35LY ARELAX  030BOTVEK4EA0EE B 010TF                    27140106    + 02000                      A JS
        SUSAP KHRLK4FR35LY R       010BOTVEK4EA0E  I    IF                                + 02000     18000            A JS
        SUSAP KHRLK4FR35LY R       020AVUDEK4EA1E  F 051TF                    35560060    + 01500              RW35L K4PGA JS
        SUSAP KHRLK4FR35LY R       020AVUDEK4EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KHRLK4FR35LY R       030RW35LK4PG0GY M 031TF                    35560044      00095          -300        A JS
        SUSAP KHRLK4FR35LY R       040         0  M     CA                    3556        + 00286                      A JS
        SUSAP KHRLK4FR35LY R       050ZIPIVK4EA0EY      DF                                + 02000                      A JS
        SUSAP KHRLK4FR35LY R       060ZIPIVK4EA0EE  R   HM                    17560040    + 02000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4GRW35L   0083013556 N26130317W097393187+0000    -0011800036000059150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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CITY AND STATE	ELEVATION: **36** **THRE: 36**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HARLINGEN, TX	AIRPORT NAME: **VALLEY INTL**	**RNAV**	**RNAV (GPS) Y RWY 35L, AMDT 2**	AMDT: **1A**
				DATED: **9/20/2012**

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 KHRLK4PR35LY RW35L001Y0000W35B0N2613031700W09739318745-001180300N2614325300W0973930780010675022400059 0F400500488ECAC7
        SUSAP KHRLK4PR35LY RW35L002E      +00109+00109LPV       86530
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4SRW35LK4PG                0   18018002625                                                                          M
```

CITY AND STATE	ELEVATION: 36 THRE: 36	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HARLINGEN, TX	AIRPORT NAME: VALLEY INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2	AMDT: 1A
				DATED: 9/20/2012

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:	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
	BRO	BRO	010		IF		FB					
	BRO	SIVIE	020	IAF	TF		FB	2.0	315.8(320.8T)	007.8	AA 03000	
	BRO	BOTVE	030		TF		FB	1.0	271.4(276.4T)	010.6	AA 02000	
	RELAX	RELAX	010		IF		FB					
	RELAX	SIVIE	020	IAF	TF		FB	2.0	192.1(197.1T)	014.6	AA 03000	
	RELAX	BOTVE	030		TF		FB	1.0	271.4(276.4T)	010.6	AA 02000	
		BOTVE	010	FACF	IF		FB				AA 02000	
		AVUDE	020	FAF	TF		FB	0.5	355.6(000.6T)	006.0	AA 01500	
		RW35L	030	MAP	TF		FO	0.3	355.6(000.6T)	004.4	AT 00095	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		355.6(000.6T)		AA 00286	
	ZIPIV	050		DF		FO				AA 02000	
	ZIPIV	060		HM	R	FO		175.6(180.6T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BRO	N255526.67	W0972230.98	N2555.445	W09722.516
	AVUDE	N260837.62	W0973935.11	N2608.627	W09739.585
	BOTVE	N260239.76	W0973939.46	N2602.663	W09739.658
	RELAX	N261529.69	W0972312.66	N2615.495	W09723.211
	SIVIE	N260129.75	W0972758.33	N2601.496	W09727.972
	ZIPIV	N262449.98	W0973923.23	N2624.833	W09739.387
	RW35L	N261303.17	W0973931.87	N2613.053	W09739.531

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35L	00036	59

CITY AND STATE	ELEVATION: **36** **THRE: 36**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HARLINGEN, TX	AIRPORT NAME: **VALLEY INTL**	**RNAV**	**RNAV (GPS) Y RWY 35L, AMDT 2**	AMDT: **1A**
				DATED: **9/20/2012**

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:	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	BRO VORTAC	SIVIE	1. AAO	255915.00N/0972912.00W	253 (4E)	1000	AT1747	3000
			2. TERRAIN	255915.00N/0972912.00W	53 (100)		AS1500	1600
FEEDER	RELAX	SIVIE	3. TOWER (48-009772)	260437.00N/0972602.00W	326 (1A)	1000	AT1674	3000
			4. TERRAIN	260542.00N/0972830.00W	33 (0)		AS1500	1500
INITIAL	SIVIE	BOTVE	5. TOWER (48-007992)	260303.00N/0973111.00W	549 (5D)	1000	AT451	2000
			6. TERRAIN	260148.00N/0974030.00W	66 (100)		AS1500	1600
INTERMEDIATE	BOTVE	AVUDE	7. TOWER (48-010465)	260240.00N/0974009.00W	363 (2C)	500	AT637	1500
			8. TERRAIN	260133.00N/0974130.00W	79 (100)		AS1000	1100
FINAL: LPV	AVUDE	RW35L				ASC		286/250
FINAL: LNAV/VNAV	AVUDE	RW35L	9. POLE (KHRLT0187)	261213.92N/0973955.05W	109 (1A)	23.44:1	MA90	376/340
FINAL: LNAV	AVUDE	RW35L	10. AAO	260942.42N/0974011.13W	244 (2C)	250		500
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW35L	ZIPIV	13. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	ASC		2000
			11. AAO	262148.00N/0974139.00W	230 (4E)	1000		1300
ELEV:	94/215/400		12. TERRAIN	262148.00N/0974139.00W	30 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350	464		13. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	300		500
CATEGORY B	1.5 NM	450	464		13. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	300		500
CATEGORY C	1.7 NM	450	464		13. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	300		500
CATEGORY D	2.3 NM	550	644		14. TOWER (48-002527)	261234.00N/0974146.00W	362 (1A)	300		680
CATEGORY E	4.5 NM	550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW35L**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (48-004005)	229/ 12.0	1547 (1A)	2600					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
HARLINGEN, TX	ELEVATION: 36 AIRPORT NAME: VALLEY INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
VALLEY APP CON HRL TOWER SATISFACTORY ON: X V H F X U H F H F	N W S / F A A / A / C — OTHER: ASOS	SOURCE: KHRL / KPIL DISTANCE: 0 / 17.08 HOURS REMOTE OPERATION: 24 / 24 LOCATION: KHRL ADJUSTMENT: 0 / 42

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

5. APPROACH & RUNWAY LIGHTING		
		ALS
		(S) SALS
	X	MALSR 17R (PCL)
	X	HIRL 17R, 35L
	X	MIRL 31, 35R, 13, 17L
	X	REIL 13, 17L
		TDZ
		C/LINE
	X	OTHER (SPECIFY) VASI-4L 31, 13, 35L

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 17R, 35L
	INSTRUMENT	NPI-G 31, 35R, 13, 17L
7. RUNWAY VISUAL RANGE	APPROACH	17R
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 35.7
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 59.0

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

10. WAIVERS: NONE

PART D - PREPARED BY: JILL OLSON (NICHOLAS K. JACKSON)	DATE: 05/22/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/59.0

RASS PRESSURE PATTERNS SAME
KHRL 36.3, KPIL 18.6
RA = 41.8.
SEE ATTACHED AIRSPACE LETTER.

TERPS PARAGRAPH 289 APPLIED TO 305 TOWER
260828N/0973826W

KHRL AND KPIL ARE ON SERVICE A

LPV SURFACE: 34:1

LNAV/VNAV SURFACE: 23.44:1

NO HISTORICAL WEATHER DATA AVAILABLE

ISA DEVIATION STANDARD -30C UTILIZED

LPV, LNAV/VNAV, AND LNAV INTERMEDIATE AND MISSED CONTROLLING OBSTRUCTIONS ARE THE SAME

PROCEDURE EVALUATION CONDUCTED IN IPDS TO RETAIN CURRENT INTERMEDIATE FIX (BOTVE) LOCATION TO COINCIDE WITH RNAV (RNP) Z RWY 35L FIX LOCATION. LPV DA ADJUSTED DUE TO POFZ PENETRATION. MIN HATH IS 250' PER 8260.54A PARA 2.18.

POFZ PENETRATION:
KHRLT0071 SIGN 261303N/0973929W .30'.

TAA NOT DEVELOPED BECAUSE OF CLOSE PROXIMITY OF INTERNATIONAL BORDER WITH MEXICO, RESTRICTED AREAS.

AVERAGE VEGETATION HEIGHT IS 50FT PER FPT CHECKLIST.

RADIO FIX AND HOLDING DATA RECORD

NAME: AVUDE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 260837.62N/0973935.11W **TYPE:** WP

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

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

REMARKS:
8260.54A L-V RNP PFAF FORMULA APPLIED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 35L			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
REMOVED KHRL R36L AS FAC 1
FIX MOVED 346.35 FEET SOUTH, COORDINATES UPDATED

DEVELOPED BY: **DATE:** 05/07/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: BOTVE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 260239.76N/0973939.46W **TYPE:** WP, 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	HARLINGEN	I-HRL	LOC/DME		175.63	180.63	10.12	10.13		1500	4500
2	BROWNSVILLE	BRO	VORTAC	H	286.04	295.04	17.04	17.04		1500	17500

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

REMARKS:
HARLINGEN (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-HRL DME COORDINATES: 261248.64N/0973934.55W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC/DME BC RWY 35L	1, 2		KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 35L			KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 35L			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
DELETED FAC 1.
UPDATED FAC 2 (NEW FAC 1) MAG BRG FROM 173.63 TO 175.63.
UPDATED FAC 2 (NEW FAC 1) MAA FROM 6000 TO 4500.
ADDED DIST FROM FAC (NM) TO FAC 2 (NEW FAC 1) AND FAC 3 (NEW FAC 2).
ADDED FIX COORDINATE ESTABLISHMENT REMARK.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/03/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

QUALITY CHECKED 5

RADIO FIX AND HOLDING DATA RECORD

NAME: BROWNSVILLE VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 255526.67N/0972230.98W **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	BROWNSVILLE	BRO	VORTAC	H							45000

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

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	NE	BRO	VORTAC	062.00	242.00	R	1		1900	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-008391)	255749.00N/0971432.00W	400	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED
PAT 1 PER ATC REQUEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V163					(US)
EN ROUTE	V407					(US)
EN ROUTE	V70					(US)
IAP	ILS OR LOC RWY 13R			KBRO	BROWNSVILLE	TX (US)
IAP	LOC BC RWY 31L			KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 13R			KBRO	BROWNSVILLE	TX (US)
IAP	VOR OR TACAN OR GPS-A			KBRO	BROWNSVILLE	TX (US)
IAP	VOR/DME RNAV OR GPS RWY 35			KBRO	BROWNSVILLE	TX (US)
IAP	LOC/DME BC RWY 35L			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) RWY 35R			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 35L			KHRL	HARLINGEN	TX (US)
IAP	VOR/DME OR TACAN Y RWY 31			KHRL	HARLINGEN	TX (US)
IAP	VOR/DME RWY 35L			KHRL	HARLINGEN	TX (US)
IAP	VOR/DME Z RWY 31			KHRL	HARLINGEN	TX (US)
IAP	VOR-A			KPIL	PORT ISABEL	TX (US)
IAP	VOR/DME-B			KPIL	PORT ISABEL	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED FIX USE
MOVED HOLDING LIMITED REMARK TO RESTRICTIONS
FACILITY COORDINATES UPDATED, MOVED 1.36 FEET NORTHWEST

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: BRO ATCT
OTHER: VALLEY APPROACH

RADIO FIX AND HOLDING DATA RECORD

NAME: RELAX **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 261529.69N/0972312.66W **TYPE:** WP, 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	BROWNSVILLE	BRO	VORTAC	H	349.21	358.21	20.00	20.00		1700	17500
2	HARLINGEN	HRL	VOR/DME	L	078.03	083.03		14.42		1700	17500

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

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	BRO	VORTAC	349.21	169.21	L	1		2000	14000	4	11
2	N		WP	349.20	169.20	L		4	2000	14000	4	11
3	N		WP	351.21	171.21	L		4	1900	14000	4	11
4	N		WP	353.21	173.21	L		4	2000	14000	4	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-013761)	261931.00N/0972526.00W	510	5D
2	200	TOWER (48-013761)	261931.00N/0972526.00W	510	5D
3	200	TOWER (48-013761)	261931.00N/0972526.00W	510	5D
4	200	TOWER (48-013761)	261931.00N/0972526.00W	510	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 PROVIDE PROTECTION FROM V70
PAT 2 PROVIDE PROTECTION FROM V70
PAT 3 PROVIDE PROTECTION FROM V70
PAT 4 PROVIDE PROTECTION FROM V70.

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	V163	1, 2				(US)
IAP	ILS OR LOC RWY 13R	1, 2		KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 13R			KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 17		3	KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 17L		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) RWY 35R			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 17R		4	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 31			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 35L			KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 17R		4	KHRL	HARLINGEN	TX (US)
IAP	VOR-A	1, 2	1	KPIL	PORT ISABEL	TX (US)
IAP	VOR/DME-B	1, 2	1	KPIL	PORT ISABEL	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
FAC 2 MAG BRG CHANGED FROM 078.02 TO 078.03
FAC 2 TRUE BRG CHANGED FROM 083.02 TO 083.03
FAC 2 DIST FROM FAC CHANGED FROM 14.40 TO 14.42
FAC 1 AND 2 MRA RAISED FROM 1500 TO 1700
PAT 1 MIN HOLDING ALTITUDE RAISED FROM 1600 TO 2000

DEVELOPED BY: **DATE:** 07/10/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY: VALLEY APP CON/BRO TOWER/HRL TOWER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SIVIE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 260129.75N/0972758.33W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 35R			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 35L			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/02/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: ZIPIV **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 262449.98N/0973923.23W **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	N		WP	355.63	175.63	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-012875)	262609.00N/0974003.00W	523	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
NAME CHANGED FROM BOMVE TO ZIPIV.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 17R		1	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 35L		1	KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 17R			KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 35L		1	KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
CHANGED FIX NAME FROM BOMVE TO ZIPIV.
REMOVED FAC 1.
CHANGED PAT 1 MIN/MAX TEMPLATES FROM 5/7 TO 4/6.
UPDATED PAT 1 OBSTACLE NUMBER TO CURRENT FORMAT (OBSTACLE SAME AS PREVIOUS).
MOVED LIMITED HOLDING NOTE FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN NOTE.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/23/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEPHEN PETERSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: VALLEY APP CON/HRL TOWER
OTHER:

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **HARLINGEN** STATE: **TX**

AIRPORT NAME: **VALLEY INTL** ID: **KHRL**

PROCEDURE: **RNAV (GPS) Y RWY 35L** AMDT: **2**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **2.84**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **000.63**
4. High Terrain in **FINAL** segment containing 1000' point **44**
5. Distance from **THLD** to 1500' point **9.56**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **000.63**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **79**
9. Threshold Coordinates (if straight-in) ... **261303.17N** / **0973931.87W**
10. ARP Coordinates ..... **261337.60N** / **0973918.50W**
11. Runway Approach End and distance furthest from ARP.....RWY **17R**
    Distance **.82** NM
12. FAF Coordinates ..... **260837.62N** / **0973935.11W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD

NAME: CAKRA **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 260236.34N/0973406.39W **TYPE:** WP

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	BOTVE					090.63	5.00				17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 35L			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/24/2003

REASON FOR REVISION:
FIX MOVED 1 MILE SOUTH DUE TO THE 6 MILE INTERMEDIATE CRITERIA CHANGE.
FIX COORDINATES UPDATED.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

CANCELLED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEREG **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 260242.96N/0974512.53W **TYPE:** WP

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

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	BOTVE					270.63	5.00				17500

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

REMARKS:
NAMED CHANGED FROM CAKOM TO ZEREG

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 35L			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 10/30/2003

REASON FOR REVISION:
FIX MOVED 1 MILE SOUTH DUE TO THE 6 MILE INTERMEDIATE CRITERIA CHANGE.
FIX COORDINATES UPDATED
UPDATED FAC 1 FIX BEARING.
NAMED CHANGED REQUESTED BY FLIGHT CHECK

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

CANCELLED