

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.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW17L CLIMB TO 500 THEN CLIMBING LEFT TURN TO 2000 DIRECT RELAX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 169.20 INBOUND. CHART FAS OBST: 108 TRMSN TWR 261526N/0973916W DISTANCE TO THLD FROM 250 HATH: 0.61 NM. CHART VDP AT 0.98 MILES TO RW17L* *LNAV ONLY. WAAS CHANNEL #90430 REFERENCE PATH ID: W17B LTP HAE: -12.4 M											
LATEX (IAF)	BETVE (NOPT) (FB)	115.31 / 16.79	2000												
MANNY (IAF)	BETVE (NOPT) (FB)	222.88 / 17.97	2000												
BETVE (IF/IAF)	AXINE (FB)	175.64 / 5.95	1500												
AXINE (FAF)	ZARSA/2.00 NM TO RW17L (FB)	175.64 / 2.43													
ZARSA/2.00 NM TO RW17L	RW17L (MAP) (FO)	175.64 / 2.00													
RW17L (MAP)	500 MSL	175.64	500												
500 MSL	RELAX (FO)		2000												
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. HOLD N BETVE, RT, 175.64 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 175.64 FAF: AXINE DIST FAF TO MAP: 4.43 THLD: 4.43 4. MIN. ALT: BETVE 2000, AXINE 1500, ZARSA/2.00 NM TO RW17L 720° 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 1500 GS ALT AT: AXINE 1500 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW17L 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	284	3/4	250	284	3/4	250	284	3/4	250	284	3/4	250			
LNAV/VNAV DA	350	1 1/8	316	350	1 1/8	316	350	1 1/8	316	350	1 1/8	316			
LNAV MDA	400	1	366	400	1	366	400	1	366	400	1	366			
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). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. 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 VISIBILITY 1/8 (SEE FORM 8260-10) CITY AND STATE: HARLINGEN, TX ELEVATION: 36 THRE: 34 FACILITY IDENTIFIER: RNAV PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17L, AMDT 2A 27 JUNE 2013 VALLEY INTL SUP: AMDT: 2 DATED: 11/15/2012															



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD

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NOTES, (CONT.):

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

CHART NOTE: BARO-VNAV AND VDP NA WITH PORT ISABEL ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MANNY ON V163 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LATEX ON V20 SOUTHWEST BOUND.

QUALITY
9
CHECKED

CITY AND STATE

HARLINGEN, TX

ELEVATION: 36

THRE: 34

AIRPORT NAME:

VALLEY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17L, AMDT 2A

27 JUNE 2013

SUP:

AMDT: 2

DATED: 11/15/2012

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KHRL
RUNWAY RW17L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W17B
REFERENCE PATH IDENTIFIER (APPROACH ID) 261402.2245N
LTP/FTP LATITUDE 0973855.2920W
LTP/FTP LONGITUDE -00124
LTP/FTP ELLIPSOIDAL HEIGHT 261232.8600N
FPAP LATITUDE 0973856.4000W
FPAP LONGITUDE 00055.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0936
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

83B43B26

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +00103
FPAP ORTHOMETRIC HEIGHT +00103

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KHRLK4FR17L	ABETVE	010BETVEK4EA0EE	AR	HF		17560040	+	02000	18000		A	JS
SUSAP	KHRLK4FR17L	ALATEX	010LATEXK4EA0E	A	IF					18000		A	JS
SUSAP	KHRLK4FR17L	ALATEX	020BETVEK4EA0EE	B	010TF		11530168	+	02000			A	JS
SUSAP	KHRLK4FR17L	AMANNY	010MANNYK4EA0E	A	IF					18000		A	JS
SUSAP	KHRLK4FR17L	AMANNY	020BETVEK4EA0EE	B	010TF		22290180	+	02000			A	JS
SUSAP	KHRLK4FR17L	R	010BETVEK4EA0E	I	IF			+	02000	18000		A	JS
SUSAP	KHRLK4FR17L	R	020AXINEK4EA1E	F	051TF		17560060	+	01500		RW17L	K4PGA	JS
SUSAP	KHRLK4FR17L	R	020AXINEK4EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KHRLK4FR17L	R	021ZARSAK4EA0E	S	031TF		17560024	V	0072000726		-300		A JS
SUSAP	KHRLK4FR17L	R	030RW17LK4PGOGY	M	031TF		17560020		00089		-300		A JS
SUSAP	KHRLK4FR17L	R	040	0	M	CA	1756	+	00500				A JS
SUSAP	KHRLK4FR17L	R	050RELAXK4EA0EY	L	DF			+	02000				A JS
SUSAP	KHRLK4FR17L	R	060RELAXK4EA0EE	L	HM		16920040	+	02000				A JS

[illegible][illegible]

QUALITY
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FAA FORM 8260 - 10 / April 2006 (Computer Generated)

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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MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KHRLK4SRW17LK4PG 0 18018002625 M

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CITY AND STATE HARLINGEN, TX.	ELEVATION: 36	THRE: 34	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17L, AMDT 2A 27 JUNE 2013	SUP:
	AIRPORT NAME: VALLEY INTL	AMDT: 2			
	DATED: 11/15/2012				

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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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
	BETVE	BETVE	010	IAF	HF	R	FO		175.6 (180.6T)	004.0	AA 02000	
	LATEX	LATEX	010	IAF	IF		FB					
	LATEX	BETVE	020		TF		FB	1.0	115.3 (120.3T)	016.8	AA 02000	
	MANNY	MANNY	010	IAF	IF		FB					
	MANNY	BETVE	020		TF		FB	1.0	222.9 (227.9T)	018.0	AA 02000	
		BETVE	010	FACF	IF		FB				AA 02000	
		AXINE	020	FAF	TF		FB	0.5	175.6 (180.6T)	006.0	AA 01500	
		ZARSA	021	SDF	TF		FB	0.3	175.6 (180.6T)	002.4	AA 00720	GS 00726
		RW17L	030	MAP	TF		FO	0.3	175.6 (180.6T)	002.0	AT 00089	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		175.6 (180.6T)		AA 00500	
	RELAX	050		DF	L	FO				AA 02000	
	RELAX	060		HM	L	FO		169.2 (174.2T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXINE	N261828.88	W0973851.99	N2618.481	W09738.867
	BETVE	N262426.83	W0973847.54	N2624.447	W09738.792
	LATEX	N263257.53	W0975455.97	N2632.959	W09754.933
	MANNY	N263632.98	W0972356.65	N2636.550	W09723.944
	RELAX	N261529.69	W0972312.66	N2615.495	W09723.211
	ZARSA	N261602.57	W0973853.80	N2616.043	W09738.897
	RW17L	N261402.22	W0973855.29	N2614.037	W09738.922

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	00034	55

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