

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				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
JABBS (IF)	ROYCE (FB)	130.86 / 7.66	2000	LPV: DA LNAV/VNAV: DA LNAV: RW12R
ROYCE (FAF)	RW12R (MAP) (FO)	130.91 / 5.88		
RW12R (MAP)	330 MSL	130.91		CLIMB TO 2200 DIRECT LESLO AND ON TRACK 133.85 TO VUH VORTAC.
330 MSL	LESLO (FB)			
LESLO	VUH VORTAC (FO)	133.85 / 24.1	2200	ADDITIONAL FLIGHT DATA: CHART FAS OBST: 191 ANT ON OL ATCT (UNC) 293843N/0951717W CHART FAS OBST: 231 TOWER 294117N/0952018W DISTANCE TO THLD FROM 284 HAT: 0.74 NM. CHART VDP AT 1.39 MILES TO RW12R* *LNAV ONLY. WAAS CHANNEL # 70310 REFERENCE PATH ID: W12A LTP HAE: -13 M

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT JABBS
- FAC: 130.91 FAF: ROYCE DIST FAF TO MAP: 5.88 THLD: 5.88
- MIN. ALT: JABBS 2000, ROYCE 2000
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: ROYCE 2000 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 49.0 34:1 IS NOT CLEAR
- MSA FROM: RW12R 3100

MAG VAR: 3E

EPOCH YEAR: 2015

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	330	4000	284	330	4000	284	330	4000	284	330	4000	284	330	4000	284
LNAV/VNAV DA	475	5000	429	475	5000	429	475	5000	429	475	5000	429	475	5000	429
LNAV MDA	540	4000	494	540	4000	494	540	4000	494	540	5000	494	540	6000	494
CIRCLING	540	1	494	540	1	494	540	1 1/2	494	600	2	554	860	3	814

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000, LNAV/VNAV CAT E VISIBILITY TO 1 1/2, AND LNAV CAT A AND B VISIBILITY TO RVR 5000, CAT E TO 1 3/4.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 15C (5F) OR ABOVE 49C (120F).

CHART NOTE: DME/DME RNP-0.3 NA.

(SEE FORM 8260-10)

@ CAT E 900-3

CITY AND STATE HOUSTON, TX	ELEVATION: 46 TDZE: 46 AIRPORT NAME: WILLIAM P HOBBY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12R, AMDT 1B 29 MAY 2014	SUP:
				AMDT: 1A
				DATED 06/30/2011

QUALITY  
CHECKED

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.

NOTES, (CONT.):

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PLANVIEW NOTE: RADAR REQUIRED.



CITY AND STATE  
HOUSTON, TX

ELEVATION: 46 TDZE: 46  
AIRPORT NAME:  
WILLIAM P HOBBY

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 12R, AMDT 1B  
29 MAY 2014

SUP:  
AMDT: 1A  
DATED: 06/30/2011

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR 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.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER KHOU  
RUNWAY RW12R  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W12A  
LTP/FTP LATITUDE 293856.2600N  
LTP/FTP LONGITUDE 0951659.4100W  
LTP/FTP ELLIPSOIDAL HEIGHT -00130  
FPAP LATITUDE 293754.2600N  
FPAP LONGITUDE 0951545.8000W  
THRESHOLD CROSSING HEIGHT (TCH) 00049.0  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 0752  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

C8AD2921

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4  
LTP ORTHOMETRIC HEIGHT +00141  
FPAP ORTHOMETRIC HEIGHT +00141

CITY AND STATE

HOUSTON, TX

ELEVATION: 46

TDZE: 46

AIRPORT NAME:

WILLIAM P HOBBY

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12R, AMDT 1B

29 MAY 2014

SUP:

AMDT: 1A

DATED: 06/30/2011

## RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHOUK4FR12R	R	010JABBSK4EA0E	I	IF					+ 02000	18000		A JS	
SUSAP KHOUK4FR12R	R	020ROYCEK4EA1E	F	051TF			13090077		+ 02000		RW12R K4PGA	JS	
SUSAP KHOUK4FR12R	R	020ROYCEK4EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KHOUK4FR12R	R	030RW12RK4PG0GY	M	031TF			13090059		00095	-300		A JS	
SUSAP KHOUK4FR12R	R	040	0	M	CA		1309		+ 00330			A JS	
SUSAP KHOUK4FR12R	R	050LESLOK4EA0E		DF								A JS	
SUSAP KHOUK4FR12R	R	060VUH	K4D	0VB	010TF		1339		+ 02200			A JS	

[illegible][illegible][illegible]

CITY AND STATE  
HOUSTON, TX

ELEVATION: 46	TDZE: 46
AIRPORT NAME: WILLIAM P HOBBY	

FACILITY  
IDENTIFIER:  
  
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
RNAV (GPS) RWY 12R, AMDT 1B  
29 MAY 2014

SUP:	
AMDT:	1A
DATED:	06/30/2011

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - FAR 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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		JABBS	010	FACF	IF		FB				AA 02000	
		ROYCE	020	FAF	TF		FB	0.5	130.9 (133.9T)	007.7	AA 02000	
		RW12R	030	MAP	TF		FO	0.3	130.9 (133.9T)	005.9	AT 00095	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		130.9 (133.9T)		AA 00330	
	LESLO	050		DF		FB					
	VUH	060		TF		FO	1.0	133.9 (136.9T)		AA 02200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	VUH	N291609.60	W0945203.81	N2916.160	W09452.064
	JABBS	N294821.19	W0952811.92	N2948.353	W09528.199
	LESLO	N293348.73	W0951054.69	N2933.812	W09510.912
	ROYCE	N294301.63	W0952151.11	N2943.027	W09521.852
	RW12R	N293856.26	W0951659.41	N2938.938	W09516.990

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12R	00046	49

CITY AND STATE  
HOUSTON, TX

ELEVATION: 46 TDZE: 46  
 AIRPORT NAME:  
 WILLIAM P HOBBY

FACILITY  
 IDENTIFIER:  
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
 RNAV (GPS) RWY 12R, AMDT 1B  
 29 MAY 2014

SUP:  
 AMDT: 1A  
 DATED: 06/30/2011