

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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GEEEO (IAF)	CARCO (FB)	091.92 / 9.16	4000
CARCO (IF)	ELREN (FB)	040.86 / 7.00	2000
ELREN	ESAAY (FB)	040.91 / 2.89	1500
ESAAY (FAF)	RW04 (MAP) (FO)	040.92 / 4.40	
RW04 (MAP)	244 MSL	040.92	
244 MSL	RAYCI (FO)		2000

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

CLIMB TO 2000 DIRECT RAYCI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 218.98 INBOUND.
FAS OBST: 253 AAO 293609N/0952030W
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
CHART VDP AT 1.32 MILES TO RW04*
*LNAV ONLY.
WAAS CHANNEL # 86209
REFERENCE PATH ID: W04A
CHART MANDATORY 6000 AT GEEEO.
CHART CIRCLING ICON.
LTP HAE: -14.3 M

MAG VAR: 3E EPOCH YEAR: 2015

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT CARCO
3. FAC: 040.92 FAF: ESAAY DIST FAF TO MAP: 4.40 THLD: 4.40
4. MIN. ALT: CARCO 4000, ELREN 2000, ESAAY 1500
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1500 GS ALT AT: ESAAY 1500 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 56.8 34:1 IS CLEAR
8. MSA FROM: RW04 3100

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	244	2400	200	244	2400	200	244	2400	200	244	2400	200	244	2400	200
LNAV/VNAV DA	440	4500	396	440	4500	396	440	4500	396	440	4500	396	440	4500	396
LNAV MDA	520	2400	476	520	2400	476	520	5000	476	520	5000	476	520	5000	476
CIRCLING	520	1	474	520	1	474	740	2 1/4	694	740	2 1/4	694	860	3	814

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2C (29F) OR ABOVE 54C (130F). @ CAT C, D 800-2 1/4, CAT E 900-3
 CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS
 VISIBILITY TO 1 1/4 MILES AND LNAV CAT C/D/E VISIBILITY TO 1 3/8 MILE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE AT GEEEO : AT 210 KIAS.

QUALITY
4
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 46 TDZE: 44 AIRPORT NAME: WILLIAM P HOBBY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 3 10 DECEMBER 2015	SUP: AMDT: 2B DATED 05/29/2014
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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Empty area for instrument approach procedure details.

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					AMDT:
					DATED: 05/29/2014

QUALITY
4
2B
CHECKED

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHOU
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	293820.7950N
LTP/FTP LONGITUDE	0951707.1595W
LTP/FTP ELLIPSOIDAL HEIGHT	-00143
FPAP LATITUDE	293925.0950N
FPAP LONGITUDE	0951556.1860W
THRESHOLD CROSSING HEIGHT (TCH)	00056.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0432
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 638AFE32

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00128
FPAP ORTHOMETRIC HEIGHT	+00128

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	AIRPORT NAME: WILLIAM P HOBBY				AMDT: 2B
					DATED: 05/29/2014

QUALITY
4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KHOU

ROUTES


TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
GEEEO	010	GEEEO	IF	FB								AT 06000	AT 210	E A
GEEEO	020	CARCO	TF	FB	1.0	091.9						AA 04000		EE B
	010	CARCO	IF	FB								AA 04000		E I
	011	ELREN	TF	FB	0.5	040.9						AA 02000		E
	020	ESAAY	TF	FB	0.5	040.9				RW04		AA 01500		E F
	030	RW04	TF	FO	0.3	040.9		3.00				AT 00099		GY M
	040	CA	FB			040.9						AA 00244		M
	050	RAYCI	DF	FO								AA 02000		EY
	060	RAYCI	HM	FO		219.0			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CARCO	N292801.53	W0952828.91
ELREN	N293305.01	W0952255.24
ESAAY	N293510.22	W0952037.30
GEEEO	N292849.23	W0953856.30
RAYCI	N294953.66	W0950419.69

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW04	N293820.80	W0951707.16	00042	57

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