

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29							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		ILS: DA LOC: 4.40 MILES AFTER ESAAY INT/I-HUB 5.82 DME OR AT I-HUB 1.42 DME FIX CLIMB TO 2000 ON HUB VOR/DME R-040 TO RAYCI INT/HUB 15.00 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON MHF VOR/DME R-290 TO MHF VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 220.35 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W MHF VOR/DME, RT, 110.00 INBOUND. FAS OBST: 259 AAO 293445N/0952051W CHART VDP AT 2.74 DME* DISTANCE VDP TO THLD 1.32 MILES. *LOC ONLY. CHART IN PLANVIEW: MHF VOR/DME. CHART MANDATORY 210 KIAS AT GEEEO. CHART MANDATORY 6000 AT GEEEO. CHART CIRCLING ICON									
GEEEO (IAF)			CARCO (FB)			091.92 / 9.16			4000											
CARCO INT/I-HUB 15.71 DME			ELREN/I-HUB 8.71 DME/RADAR			040.95 / 7.00 (I-HUB)			2000											
(IF)																				
ELREN/I-HUB 8.71 DME/RADAR			ESAAY INT/I-HUB 5.82 DME			040.95 / 2.89 (I-HUB)			1500											
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)										MAG VAR: 3E EPOCH YEAR: 2015										
2. PROFILE STARTS AT CARCO INT/I-HUB 15.71 DME																				
3. FAC: 040.95 FAF: ESAAY INT/I-HUB 5.82 DME 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: 829 150 HAT: 1817 100 HAT: 862 GS ANT: 1080																				
6. MIN GS INCPT: 1500 GS ALT AT: ESAAY 1500 OM: - MM: - IM: 142																				
7. GS ANGLE: 3.00 TCH: 56.8																				
8. MSA FROM: HUB VOR/DME 3100																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: 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					
S-ILS 04	244	1800	200	244	1800	200	244	1800	200	244	1800	200	244	1800	200					
S-LOC 04	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: SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 4: CAT A, B, C, D, RA 146, RVR 1400, HAT 150, DA 194 MSL. CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 4: CAT A, B, C, D, RA 100, RVR 1200, HAT 100, DA 144 MSL. (SEE FORM 8260-10)																				
CITY AND STATE HOUSTON, TX			ELEVATION: 46 TDZE: 44 AIRPORT NAME: WILLIAM P HOBBY			FACILITY IDENTIFIER: I-HUB		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 43 12/10/2015 ILS RWY 4 (SA CAT I) ILS RWY 4 (CAT II), ILS RWY 4 (CAT III)					SUP: AMDT: DATED 06/25/2015							

QUALITY
4
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS- 4: CAT III CAT A,B,C,D, RVR 600.

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-ILS 4 CAT E VISIBILITY TO RVR 4000; S-LOC 4 CAT C/D/E VISIBILITY TO 1 3/8.

CHART PLANVIEW NOTE: GPS OR RADAR REQUIRED.

SA CAT 1 CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CITY AND STATE
HOUSTON, TX

ELEVATION: 46	TDZE: 44
AIRPORT NAME:	
WILLIAM P HOBBY	

FACILITY IDENTIFIER:
I-HUB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 4, AMDT 43 12/10/2015
ILS RWY 4 (SA CAT I)
ILS RWY 4 (CAT II) , ILS RWY 4 (CAT III)

SUP:	06/25/15
AMDT:	42
DATED:	06/25/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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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								AA 04000		E B
GEEEO	030	ELREN	CF	FB		041.0	IHUB					AA 02000		EE
	010	ELREN	IF	FB			IHUB					AA 02000 GI 01500		E I
	020	ESAAY	CF	FB		041.0	IHUB	3.00		HUB		GI 01500 GS 01500		E F
	030	RW04	CF	FO		041.0	IHUB	3.00				AT 00099		GY M
	040	RAYCI	CF	FO		040.4	HUB					AA 02000		EYM
	050	RAYCI	HM	FO		220.4			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HUB	N293920.22	W0951635.83
IHUB (DME)	N293924.23	W0951601.84
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
IHUB (LOC)	N293922.53	W0951559.03

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW04	N293820.80	W0951707.16	00042	56.8

QUALITY
12
CHECKED

CITY AND STATE
HOUSTON, TX

ELEVATION: 46 TDZE: 44
AIRPORT NAME:
WILLIAM P HOBBY

FACILITY
IDENTIFIER:
I-HUB

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 4, AMDT 43 12/10/2015
ILS RWY 4 (SA CAT I)
ILS RWY 4 (CAT II), ILS RWY 4 (CAT III)

SUP:
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25

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ARINC SUMMARY - KHOU

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GEEEO	020	CARCO	TF	FB								AA 04000		E B
GEEEO	030	ELREN	CF	FB		041.0	IHUB					AA 02000		EE
	010	ELREN	IF	FB			IHUB					AA 02000		E I
	020	ESAAY	CF	FB		041.0	IHUB			HUB		AA 01500		E F
	030	RW04	CF	FO		041.0	IHUB	3.01				AT 00099		GY M
	040	RAYCI	CF	FO		040.4	HUB					AA 02000		EYM
	050	RAYCI	HM	FO		220.4			R			AA 02000		EE

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