

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: RW34 CLIMB TO 3400 DIRECT JUXAD AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 171.69 INBOUND. CHART FAS OBST: 1389 TREE 371818N/0915724W DISTANCE TO THLD FROM 318 HATH: 0.87 NM. WAAS CHANNEL # 72728 REFERENCE PATH ID: W34A LTP HAE: 325.5 M											
MAP VORTAC	WUNSI (FB)	180.23 / 23.60	3000												
WUNSI	ULIJA (FB)	240.04 / 4.00	3000												
MUPIE	HAXUR (FB)	115.24 / 19.63	3400												
ULIJA (IAF)	MOXMI (NOPT) (FB)	280.05 / 4.00	3000												
HAXUR (IAF)	MOXMI (NOPT) (FB)	048.96 / 4.00	3000												
MOXMI (IF/IAF)	WILOL (FB)	351.73 / 4.10	2800												
WILOL (FAF)	TESAE/2.00 NM TO RW34 (FB)	351.72 / 3.00													
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)															
2. HOLD S MOXMI, RT, 351.73 INBOUND, 3000 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>351.72</u> FAF: <u>WILOL</u> DIST FAF TO MAP: <u>5.00</u> THLD: <u>5.00</u>															
4. MIN. ALT: MOXMI 3000, WILOL 2800, TESAE/2.00 NM TO RW34 1840*															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u>2800</u> GS ALT AT: WILOL 2800 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS CLEAR															
8. MSA FROM: RW34 3000															
				MAG VAR: 0E EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A <input type="checkbox"/> X <input type="checkbox"/>											
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	1484	1 1/8	318	1484	1 1/8	318		NA			NA				
LNAV/VNAV DA	1782	2 1/4	616	1782	2 1/4	616		NA			NA				
LNAV MDA	1720	1	554	1720	1	554		NA			NA				
CIRCLING	1740	1	545	1760	1	565		NA			NA				
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MAP VORTAC AIRWAY RADIALS 230 CW 254. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 1195 THRE: 1166		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
HOUSTON, MO				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 34, ORIG				AMDT: NONE			
				HOUSTON MEMORIAL				20 SEPTEMBER 2012				DATED			



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RNAV - STANDARD
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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TESAE/2.00 NM TO RW34	RW34 (MAP) (FO)	351.71 / 2.00	
RW34 (MAP)	1484 MSL	351.71	
1484 MSL	JUXAD (FO)		3400

NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: USE FORT LEONARD WOOD ALTIMETER SETTING, WHEN NOT RECEIVED USE WEST PLAINS ALTIMETER SETTING.



CITY AND STATE
 HOUSTON, MO

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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	M48
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	371931.6940N
LTP/FTP LONGITUDE	0915820.2915W
LTP/FTP ELLIPSOIDAL HEIGHT	+03255
FPAP LATITUDE	372059.9700N
FPAP LONGITUDE	0915836.4000W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

33D082A2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03555
FPAP ORTHOMETRIC HEIGHT	+03555

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP M48 K3FR34	AMAP	010MAP	K3D 0V	IF						18000		A JS	
SUSAP M48 K3FR34	AMAP	020WUNSIK3EA0E	020TF			18020236	+ 03000					A JS	
SUSAP M48 K3FR34	AMAP	030ULIJAK3EA0E	A 020TF			24000040	+ 03000					A JS	
SUSAP M48 K3FR34	AMAP	040MOXMIK3EA0EE	B 010TF			28010040	+ 03000					A JS	
SUSAP M48 K3FR34	AMOXMI	010MOXMIK3EA0EE	AR HF			35170040	+ 03000		18000			A JS	
SUSAP M48 K3FR34	AMUPIE	010MUPIEK3EA0E	IF						18000			A JS	
SUSAP M48 K3FR34	AMUPIE	020HAXURK3EA0E	A 020TF			11520196	+ 03400					A JS	
SUSAP M48 K3FR34	AMUPIE	030MOXMIK3EA0EE	B 010TF			04900040	+ 03000					A JS	
SUSAP M48 K3FR34	R	010MOXMIK3EA0E	I IF				+ 03000		18000			A JS	
SUSAP M48 K3FR34	R	020WILOLK3EA1E	F 051TF			35170041	+ 02800				RW34 K3PGA	JS	
SUSAP M48 K3FR34	R	020WILOLK3EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP M48 K3FR34	R	021TESAEK3EA0E	S 031TF			35170030	V 0184001843		-300			A JS	
SUSAP M48 K3FR34	R	030RW34 K3PG0GY	M 031TF			35170020	01206		-300			A JS	
SUSAP M48 K3FR34	R	040	0 M CA			3517	+ 01484					A JS	
SUSAP M48 K3FR34	R	050JUXADK3EA0EY	DF				+ 03400					A JS	
SUSAP M48 K3FR34	R	060JUXADK3EA0EE	R HM			17170040	+ 03400					A JS	

[illegible]

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SUSAP M48 K3GRW34 0035003517 N37193169W091582029+0800 +0325501166000040060R

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP M48 K3PR34	RW34 001 0000W34A0N3719316940W09158202915+032550300N3720599700W09158364000106751680000400F40050033D082A2												
SUSAP M48 K3PR34	RW34 002E +03555+03555LPV 72728												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP M48 K3SRW34 K3PG	0 18018003025 M												

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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
	MAP	MAP	010		IF		FB					
	MAP	WUNSI	020		TF		FB	2.0	180.2 (180.2T)	023.6	AA 03000	
	MAP	ULIJA	030	IAF	TF		FB	2.0	240.0 (240.0T)	004.0	AA 03000	
	MAP	MOXMI	040		TF		FB	1.0	280.1 (280.1T)	004.0	AA 03000	
	MOXMI	MOXMI	010	IAF	HF	R	FO		351.7 (351.7T)	004.0	AA 03000	
	MUPIE	MUPIE	010		IF		FB					
	MUPIE	HAXUR	020	IAF	TF		FB	2.0	115.2 (115.2T)	019.6	AA 03400	
	MUPIE	MOXMI	030		TF		FB	1.0	049.0 (049.0T)	004.0	AA 03000	
		MOXMI	010	FACF	IF		FB				AA 03000	
		WILOL	020	FAF	TF		FB	0.5	351.7 (351.7T)	004.1	AA 02800	
		TESAE	021	SDF	TF		FB	0.3	351.7 (351.7T)	003.0	AA 01840 GS 01843	
		RW34	030	MAP	TF		FO	0.3	351.7 (351.7T)	002.0	AT 01206	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		351.7 (351.7T)		AA 01484	
	JUXAD	050		DF		FO				AA 03400	
	JUXAD	060		HM	R	FO		171.7 (171.7T)	004.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MAP	N373526.76	W0914718.85	N3735.446	W09147.314
	HAXUR	N370753.00	W0920028.30	N3707.883	W09200.472
	JUXAD	N372853.62	W0920003.02	N3728.894	W09200.050
	MOXMI	N371030.71	W0915641.79	N3710.512	W09156.697
	MUPIE	N371617.92	W0922240.33	N3716.299	W09222.672
	TESAE	N371732.80	W0915758.61	N3717.547	W09157.977
	ULIJA	N370948.88	W0915146.10	N3709.815	W09151.768
	WILOL	N371434.18	W0915726.07	N3714.570	W09157.435
	WUNSI	N371148.95	W0914725.96	N3711.816	W09147.433
	RW34	N371931.69	W0915820.29	N3719.528	W09158.338

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	01166	40

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