

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	LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 1000, THEN CLIMBING RIGHT TURN TO 5000 DIRECT ISLND AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 105.94 INBOUND. CHART FAS OBST: 307 TREE 483119N/1230148W CHART FAS OBST: 364 TREE 482902N/1230148W DISTANCE TO THLD FROM 359 HATH: 0.94 NM. WAAS CHANNEL # 40024 REFERENCE PATH ID: W34A LTP HAE: 4.4 M	
BUICK	JVOLK (FO)	154.38 / 30.39	4000		
ISLND	NEPDE (FB)	210.02 / 8.51	2000		
NEPDE (IAF)	JVOLK (NOPT) (FB)	251.18 / 6.67	2000		
CVV VOR/DME (IAF)	JVOLK (NOPT) (FB)	273.99 / 12.10	2000		
WATTR (IAF)	JVOLK (NOPT) (FB)	329.56 / 10.79	2000		
JVOLK (IF/IAF)	DFUCA (FB)	341.06 / 6.75	2000		
DFUCA (FAF)	MUNVE/1.80 NM TO RW34 (FB)	341.06 / 3.72			
(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 JVOLK, RT, 341.06 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>341.06</u> FAF: <u>DFUCA</u> DIST FAF TO MAP: <u>5.52</u> THLD: <u>5.52</u> 4. MIN. ALT: JVOLK 2000, DFUCA 2000, MUNVE/1.80 NM TO RW34 720* 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>2000</u> GS ALT AT: <u>DFUCA 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.20</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW34 3900</u>					
				MAG VAR: 16E EPOCH YEAR: 2015	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		STANDARD @
CATEGORY =====>	A		B		C
DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	443	1 1/8	359	443	1 1/8
LNAV/VNAV DA	489	1 1/4	405	489	1 1/4
LNAV MDA	620	1	536	620	1 1/2
CIRCLING					
DH/MDA	720	1	607	720	1
VIS					
HAT/HAA					
NOTES:					
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 16 NA AT NIGHT.					
CHART NOTE: BARO-VNAV NA WHEN USING BURLINGTON/MOUNT VERNON ALTIMETER SETTING.					
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).					
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 34 PROCEDURE NA AT NIGHT.					
(SEE FORM 8260-10)					
CITY AND STATE		ELEVATION: 113 THRE: 84		FACILITY IDENTIFIER: RNAV	
FRIDAY HARBOR, WA		AIRPORT NAME: FRIDAY HARBOR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 2 26 JULY 2012	
SUP:		AMDT: 1			
DATED		09/01/2005			

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RNAV - STANDARD
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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MUNVE/1.80 NM TO RW34	RW34 (MAP) (FO)	341.05 / 1.80	
RW34 (MAP)	1000 MSL	341.05	1000
1000 MSL	ISLND (FO)		5000

NOTES, (CONT.):

CHART NOTE: CIRCLING NA W OF RWY 16-34.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WATTR ON V495 SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BUICK ON V495 NORTHEAST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON/MOUNT VERNON ALTIMETER SETTING; INCREASE ALL DA 61 FT AND ALL MDA 80 FT; INCREASE LPV VISIBILITY ALL CATS 1/4 MILE, LNAV/VNAV VISIBILITY ALL CATS 1/4 MILE, LNAV VISIBILITY CAT C 1/4 MILE, AND CIRCLING VISIBILITY CAT C 1/4 MILE.

CITY AND STATE

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FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KFHR
RUNWAY RW34
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W34A
LTP/FTP LATITUDE 483102.3160N
LTP/FTP LONGITUDE 1230126.4315W
LTP/FTP ELLIPSOIDAL HEIGHT +00044
FPAP LATITUDE 483231.2400N
FPAP LONGITUDE 1230133.3300W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.20
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1712
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

1418FC9C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +00256
FPAP ORTHOMETRIC HEIGHT +00256

QUALITY
1
CHECKED

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[illegible]

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SCANEAE	NRT	BUICK	CY0	C	L	N48483637W	123080570	E0171	NAR		BUICK		
SUSAEAE	NRT	DFUCA	K10	W		N48253165W	123010083	E0169	NAR		DFUCA		
SUSAEAE	NRT	ISLND	K10	C	L	N48250229W	122412050	E0169	NAR		ISLND		
SUSAEAE	NRT	JVOLK	K10	W		N48184761W	123002967	E0169	NAR		JVOLK		
SUSAEAE	NRT	MUNVE	K10	W		N48291454W	123011807	E0169	NAR		MUNVE		
SUSAEAE	NRT	NEPDE	K10	W		N48190769W	122503084	E0169	NAR		NEPDE		
SUSAEAE	NRT	WATTR	K10	C	L	N48082135W	122562797	E0168	NAR		WATTR		

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFHRK1FR34	ABUICK	010BUICKCYEA0E	IF						18000		A JS	
SUSAP	KFHRK1FR34	ABUICK	020JVOLKK1EA0EY	020TF		15440303	+	04000				A JS	
SUSAP	KFHRK1FR34	ABUICK	030JVOLKK1EA0EE	AR HF		34110040	+	02000				A JS	
SUSAP	KFHRK1FR34	ACVV	010CVV K1D 0V	A IF						18000		A JS	
SUSAP	KFHRK1FR34	ACVV	020JVOLKK1EA0EE	B 010TF		27400121	+	02000				A JS	
SUSAP	KFHRK1FR34	AISLND	010ISLNDK1EA0E	IF						18000		A JS	
SUSAP	KFHRK1FR34	AISLND	020NEPDEK1EA0E	A 020TF		21000085	+	02000				A JS	
SUSAP	KFHRK1FR34	AISLND	030JVOLKK1EA0EE	B 010TF		25120067	+	02000				A JS	
SUSAP	KFHRK1FR34	AWATTR	010WATTRK1EA0E	A IF						18000		A JS	
SUSAP	KFHRK1FR34	AWATTR	020JVOLKK1EA0EE	B 010TF		32960108	+	02000				A JS	
SUSAP	KFHRK1FR34	R	010JVOLKK1EA0E	I IF			+	02000		18000		A JS	
SUSAP	KFHRK1FR34	R	020DFUCAK1EA1E	F 051TF		34110068	+	02000			RW34 K1PGA	JS	
SUSAP	KFHRK1FR34	R	020DFUCAK1EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KFHRK1FR34	R	021MUNVEK1EA0E	S 031TF		34110037	V	0072000735		-320		A JS	
SUSAP	KFHRK1FR34	R	030RW34 K1PGOGY	M 031TF		34110018		00124		-320		A JS	
SUSAP	KFHRK1FR34	R	040	0 M CA		3411	+	01000				A JS	
SUSAP	KFHRK1FR34	R	050ISLNDK1EA0EY	R DF			+	05000				A JS	
SUSAP	KFHRK1FR34	R	060ISLNDK1EA0EE	R HM		10590050	+	05000				A JS	

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RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KFHRK1GRW34 0034023411 N48310232W123012643+0800 +0004400084000040075R

1 2 3 4 5 6 7 8 9 0 1 2 3
PP 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KFHRK1PR34 RW34 001 0000W34A0N4831023160W12301264315+000440320N4832312400W12301333300106751712000400F4005001418FC9C
SUSAP KFHRK1PR34 RW34 002E +00256+00256LPV 40024

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KFHRK1SRW34 K1PG 0 18018003925 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
BUICK	BUICK	BUICK	010		IF		FB					
BUICK	JVOLK	JVOLK	020		TF		FO	2.0	154.4 (170.4T)	030.3	AA 04000	
BUICK	JVOLK	JVOLK	030	IAF	HF	R	FO		341.1 (357.1T)	004.0	AA 02000	
CVV	CVV	CVV	010	IAF	IF		FB					
CVV	JVOLK	JVOLK	020		TF		FB	1.0	274.0 (290.0T)	012.1	AA 02000	
ISLND	ISLND	ISLND	010		IF		FB					
ISLND	NEPDE	NEPDE	020	IAF	TF		FB	2.0	210.0 (226.0T)	008.5	AA 02000	
ISLND	JVOLK	JVOLK	030		TF		FB	1.0	251.2 (267.2T)	006.7	AA 02000	
WATTR	WATTR	WATTR	010	IAF	IF		FB					
WATTR	JVOLK	JVOLK	020		TF		FB	1.0	329.6 (345.6T)	010.8	AA 02000	
	JVOLK	JVOLK	010	FACF	IF		FB				AA 02000	
	DFUCA	DFUCA	020	FAF	TF		FB	0.5	341.1 (357.1T)	006.8	AA 02000	
	MUNVE	MUNVE	021	SDF	TF		FB	0.3	341.1 (357.1T)	003.7	AA 00720	GS 00735
	RW34	RW34	030	MAP	TF		FO	0.3	341.1 (357.1T)	001.8	AT 00124	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		341.1 (357.1T)		AA 01000	
	ISLND	050		DF	R	FO				AA 05000	
	ISLND	060		HM	R	FO		105.9 (121.9T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVV	N481440.90	W1224327.90	N4814.682	W12243.465
	BUICK	N484836.37	W1230805.70	N4848.606	W12308.095
	DFUCA	N482531.65	W1230100.83	N4825.528	W12301.014
	ISLND	N482502.29	W1224120.50	N4825.038	W12241.342
	JVOLK	N481847.61	W1230029.67	N4818.794	W12300.495
	MUNVE	N482914.54	W1230118.07	N4829.242	W12301.301
	NEPDE	N481907.69	W1225030.84	N4819.128	W12250.514
	WATTR	N480821.35	W1225627.97	N4808.356	W12256.466
	RW34	N483102.32	W1230126.43	N4831.039	W12301.441

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	00084	40

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