

**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							
PUGIC		LAMMB (FO)		014.40 / 28.80				3400		LPV: DA LNAV/VNAV: DA LNAV: RW24					
SOUPY (IAF)		LAMMB (NOPT) (FB)		266.79 / 9.64				2900		CLIMB TO 2600 DIRECT ZUNAD AND HOLD.					
ULESS (IAF)		LAMMB (NOPT) (FB)		204.81 / 10.41				2900							
LAMMB (IF/IAF)		NEYDI (FB)		241.05 / 6.27				2100							
NEYDI (FAF)		FODUL/2.30 NM TO RW24 (FB)		240.93 / 3.16											
FODUL/2.30 NM TO RW24 (SEE FORM 8260-10)		RW24 (MAP) (FO)		240.88 / 2.30						ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.64 INBOUND. CHART FAS OBST: 346 TREE 465911N/1235358W CHART FAS OBST: 493 TREE 465854N/1235201W 719 AAO 465925N/1234721W DISTANCE TO THLD FROM 210 HATH: 0.42 NM. WAAS CHANNEL # 86902 REFERENCE PATH ID: W24A LTP HAE: -19.1 M					
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE LAMMB, RT, 241.05 INBOUND, 2900 FT. IN LIEU OF PT (IAF) 3. FAC: 240.94 FAF: NEYDI DIST FAF TO MAP: 5.46 THLD: 5.46 4. MIN. ALT: LAMMB 2900, NEYDI 2100, FODUL/2.30 NM TO RW24 920* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2100 GS ALT AT: NEYDI 2100 OM: MM: IM: 7. GS ANGLE: 3.50 TCH: 54.7 34:1 IS CLEAR 8. MSA FROM: RW24 4600										MAG VAR: 19E EPOCH YEAR: 1995					
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	225	1/2	210	225	1/2	210	285	1/2	270		NA				
LNAV/VNAV DA	652	1 3/8	637	652	1 3/8	637	652	1 3/8	637		NA				
LNAV MDA	800	1/2	785	800	3/4	785	800	1 3/4	785		NA				
CIRCLING	800	1	782	800	1 1/4	782	800	2 1/2	782		NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6C (22F) OR ABOVE 43C (109F). @ CAT C 800-2 1/2 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART NOTE: CIRCLING NA NORTHWEST OF RWY 6-24. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE HOQUIAM, WA		ELEVATION: 18 THRE: 15 AIRPORT NAME: BOWERMAN		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 2 09 FEB 2012				SUP: AMDT: 1 DATED 10/22/2009		QUALITY CHECKED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW24 (MAP)	225 MSL	240.88	
225 MSL	ZUNAD (FO)		2600

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT C VISIBILITY TO 7/8 MILE AND LNAV CAT C

VISIBILITY TO 2 1/2 MILES.

CHART NOTE: PROCEDURE NA FOR ARRIVALS AT ULESS ON V27 NORTHEAST BOUND, SOUPY ON V204 EASTBOUND AND PUGIC ON V27 SOUTHEAST BOUND.

CITY AND STATE
HOQUIAM, WA

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RNAV (GPS) RWY 24, AMDT 2
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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
KHQM
RW24
0
0
W24A
465820.6600N
1235536.1460W
-00191
465804.9300N
1235744.2100W
00054.7
F
03.50
106.75
1224
40.0
35.0

CRC REMAINDER

ECAC4EC2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K1
+00046
+00046

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHQMK1FR24	APUGIC	010PUGICK1EA0E	IF							18000		A JS	
SUSAP KHQMK1FR24	APUGIC	020LAMMBK1EA0EY	020TF			01440288	+ 03400					A JS	
SUSAP KHQMK1FR24	APUGIC	030LAMMBK1EA0EE	AR HF			24110040	+ 02900					A JS	
SUSAP KHQMK1FR24	ASOUPY	010SOUPYK1EA0E	A IF							18000		A JS	
SUSAP KHQMK1FR24	ASOUPY	020LAMMBK1EA0EE	B 010TF			26680096	+ 02900					A JS	
SUSAP KHQMK1FR24	AULESS	010ULESSK1EA0E	A IF							18000		A JS	
SUSAP KHQMK1FR24	AULESS	020LAMMBK1EA0EE	B 010TF			20480104	+ 02900					A JS	
SUSAP KHQMK1FR24	R	010LAMMBK1EA0E	I IF				+ 02900			18000		A JS	
SUSAP KHQMK1FR24	R	020NEYDIK1EA1E	F 051TF			24110063	+ 02100				RW24	K1PGA	JS
SUSAP KHQMK1FR24	R	020NEYDIK1EA2WALPV		ALNAV/VNAV	ALNAV								JS
SUSAP KHQMK1FR24	R	021FODULK1EA0E	S 031TF			24090032	V 0092000925			-350		A JS	
SUSAP KHQMK1FR24	R	030RW24 K1PGOGY	M 031TF			24090023	00070			-350		A JS	
SUSAP KHQMK1FR24	R	040	0 M CA			2409	+ 00225					A JS	
SUSAP KHQMK1FR24	R	050ZUNADK1EA0EY	DF				+ 02600					A JS	
SUSAP KHQMK1FR24	R	060ZUNADK1EA0EE	R HM			06060040	+ 02600					A JS	

[illegible]

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SUSAP KHQMK1PR24	RW24 001 0000W24A0N4658206600W12355361460-001910350N4658049300W12357442100106751224000547F400350ECAC4EC2
SUSAP KHQMK1PR24	RW24 002E +00046+00046LPV 86902

SUSAP KHOMK1SRW24 K1PG 0 18018004625 M

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