

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: RW34 CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3500 DIRECT HML VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 208.17 INBOUND. FAS OBST: 1115 AAO 484337N/0973619W CHART 1003 BEAN ELEVATOR 484631N/0973736W. DISTANCE TO THLD FROM 265 HATH: 0.70 NM. WAAS CHANNEL # 45630 REFERENCE PATH ID: W34A LTP HAE: 245.6 M											
HML VORTAC	ATODE (FB)	208.17 / 17.07	2500												
NALCO	ATODE (FB)	291.03 / 9.72	2500												
ATODE (IAF)	WOLVA (NOPT) (FB)	250.59 / 8.48	2500												
WOLVA (IF/IAF)	RINAE (FB)	340.43 / 6.10	2500												
RINAE (FAF)	RW34 (MAP) (FO)	340.40 / 4.93	1500												
RW34 (MAP)	1500 MSL	340.40	3500												
1500 MSL	HML VORTAC (FO)														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 6E EPOCH YEAR: 2000											
2. HOLD S WOLVA, RT, 340.43 INBOUND, 2500 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>340.40</u> FAF: <u>RINAE</u> DIST FAF TO MAP: <u>4.93</u> THLD: <u>4.93</u>															
4. MIN. ALT: <u>WOLVA 2500, RINAE 2500</u>															
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>2500</u> GS ALT AT: <u>RINAE 2500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR															
8. MSA FROM: <u>RW34 3300</u>															
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	1156	1	265	1156	1	265	1156	1	265	NA			NA		
LNAV MDA	1440	1	549	1440	1	549	1440	1 5/8	549	NA			NA		
CIRCLING	1440	1	548	1440	1	548	1440	1 5/8	548	NA			NA		
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HALLOCK ALTIMETER SETTING AND INCREASE ALL DA TO 1230 FT; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE; INCREASE ALL MDA 80 FT AND INCREASE CAT C VISIBILITY 1/8 MILE. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE CAVALIER, ND				ELEVATION: 892 THRE: 891 AIRPORT NAME: CAVALIER MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 1 20 SEPTEMBER 2012				SUP: AMDT: ORIG DATED 07/10/2003	

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CITY AND STATE

CAVALIER, ND

ELEVATION: 892

THRE: 891

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FACILITY
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RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
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 2C8
RUNWAY RW34
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W34A
LTP/FTP LATITUDE 484645.5755N
LTP/FTP LONGITUDE 0973749.2915W
LTP/FTP ELLIPSOIDAL HEIGHT +02456
FPAP LATITUDE 484812.1100N
FPAP LONGITUDE 0973821.0300W
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 1744
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

B835B87B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +02716
FPAP ORTHOMETRIC HEIGHT +02716

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[illegible]

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

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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
	HML	HML	010		IF		FB					
	HML	ATODE	020	IAF	TF		FB	2.0	208.2 (214.2T)	017.1	AA 02500	
	HML	WOLVA	030		TF		FB	1.0	250.6 (256.6T)	008.5	AA 02500	
	NALCO	NALCO	010		IF		FB					
	NALCO	ATODE	020	IAF	TF		FB	2.0	291.0 (297.0T)	009.7	AA 02500	
	NALCO	WOLVA	030		TF		FB	1.0	250.6 (256.6T)	008.5	AA 02500	
	WOLVA	WOLVA	010	IAF	HF	R	FO		340.4 (346.4T)	004.0	AA 02500	
		WOLVA	010	FACF	IF		FB				AA 02500	
		RINAE	020	FAF	TF		FB	0.5	340.4 (346.4T)	006.1	AA 02500	
		RW34	030	MAP	TF		FO	0.3	340.4 (346.4T)	004.9	AT 00931	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		340.4 (346.4T)		AA 01500	
	HML	050		DF	R	FO				AA 03500	
	HML	060		HM	R	FO		208.2 (214.2T)	004.0	AA 03500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HML	N485209.09	W0970701.51	N4852.152	W09707.025
	ATODE	N483801.43	W0972128.85	N4838.024	W09721.481
	NALCO	N483337.12	W0970825.55	N4833.619	W09708.426
	RINAE	N484158.51	W0973604.22	N4841.975	W09736.070
	WOLVA	N483602.81	W0973354.50	N4836.047	W09733.908
	RW34	N484645.58	W0973749.29	N4846.760	W09737.822

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	00891	40

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