

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 4000 DIRECT GEMIH AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 165.68 INBOUND. CHART FAS OBST: 1146 ELVTR 472115N/0970243W DISTANCE TO THLD FROM 316 HAT: 0.85 NM. WAAS CHANNEL # 81937 REFERENCE PATH ID: W34A CHART: CIRCLING ICON. CHART: FARGO ASOS. LTP HAE: 249.7 M									
IKLAJ (IF/IAF)		BYSON (FB)		345.76 / 7.12				2600											
BYSON (FAF)		RW34 (MAP) (FO)		345.74 / 5.18															
RW34 (MAP)		1222 MSL		345.74				4000											
1222 MSL		GEMIH (FO)																	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S IKLAJ, RT, 345.76 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>345.74</u> FAF: <u>BYSON</u> DIST FAF TO MAP: <u>5.18</u> THLD: <u>5.18</u> 4. MIN. ALT: <u>IKLAJ 4000, BYSON 2600</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>2600</u> GS ALT AT: <u>BYSON 2600</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>																MAG VAR: 5E		EPOCH YEAR: 2000	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A ☒ X ☐											
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	1222	1	316	1222	1	316	1222	1	316		NA								
LNAV/VNAV DA	1362	1 1/2	456	1362	1 1/2	456	1362	1 1/2	456		NA								
LNAV MDA	1480	1	574	1480	1	574	1480	1 5/8	574		NA								
CIRCLING	1520	1	614	1520	1	614	1520	1 3/4	614		NA								
NOTES: CHART NOTE: USE FARGO ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: NIGHT LANDING: RWY 34 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.																			
CITY AND STATE		ELEVATION: 906 TDZE: 906				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:							
HILLSBORO, ND		AIRPORT NAME: HILLSBORO MUNI				RNAV		RNAV (GPS) RWY 34, AMDT 2 8 JANUARY 2015				AMDT: 1							
												DATED 06/30/2011							



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

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TAA	FROM	TO	ALT
1.	256/30 CW 076/30 (NOPT)	IKLAJ (IF/IAF) (FB)	4000
2.	076/30 CW 256/30	076/10 CW 256/10 (FB)	4200
	076/10 CW 256/10	IKLAJ (IF/IAF) (FO)	4000

QUALITY
16
CHECKED

CITY AND STATE
HILLSBORO, ND

ELEVATION: 906 TDZE: 906
AIRPORT NAME:
HILLSBORO MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 34, AMDT 2
8 JANUARY 2015

SUP:
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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
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	3H4
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	472117.7895N
LTP/FTP LONGITUDE	0970333.6370W
LTP/FTP ELLIPSOIDAL HEIGHT	+02497
FPAP LATITUDE	472245.6765N
FPAP LONGITUDE	0970354.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
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

4F0C87D3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02761
FPAP ORTHOMETRIC HEIGHT	+02761

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CITY AND STATE

HILLSBORO, ND

ELEVATION: 906

TDZE: 906

AIRPORT NAME:

HILLSBORO MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, AMDT 2

8 JANUARY 2015

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 3H4 K3FR34	AIKLAJ	010IKLAJK3EA0EE	AR	HF			34580040	+	04000	18000		A	JS
SUSAP 3H4 K3FR34	R	010IKLAJK3EA0E	I	IF				+	04000	18000		A	JS
SUSAP 3H4 K3FR34	R	020BYSONK3EA1E	F	051TF			34580071	+	02600			A	JS
SUSAP 3H4 K3FR34	R	020BYSONK3EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP 3H4 K3FR34	R	030RW34 K3PG0GY	M	031TF			34570052		00951	-300		A	JS
SUSAP 3H4 K3FR34	R	040	0	M	CA		3457	+	01222			A	JS
SUSAP 3H4 K3FR34	R	050GEMIHK3EA0EY		DF				+	04000			A	JS
SUSAP 3H4 K3FR34	R	060GEMIHK3EA0EE	R	HM			16570040	+	04000			A	JS

[illegible][illegible]

QUALITY
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CITY AND STATE HILLSBORO, ND	ELEVATION: 906	TDZE: 906	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 2 8 JANUARY 2015	SUP:
	AIRPORT NAME: HILLSBORO MUNI	FACILITY IDENTIFIER: RNAV		AMDT: 1
				DATED: 06/30/2011

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 - 424-8 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IKLAJ	IKLAJ	010	IAF	HF	R	FO		345.8 (350.8T)	004.0	AA 04000	
		IKLAJ	010	FACF	IF		FB				AA 04000	
		BYSON	020	FAF	TF		FB	0.5	345.8 (350.8T)	007.1	AA 02600	
		RW34	030	MAP	TF		FO	0.3	345.7 (350.7T)	005.2	AT 00951	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		345.7 (350.7T)		AA 01222	
	GEMIH	050		DF		FO				AA 04000	
	GEMIH	060		HM	R	FO		165.7 (170.7T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BYSON	N471611.27	W0970220.06	N4716.188	W09702.334
	GEMIH	N473402.59	W0970638.26	N4734.043	W09706.638
	IKLAJ	N470909.78	W0970039.26	N4709.163	W09700.654
	RW34	N472117.79	W0970333.64	N4721.297	W09703.561

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	00906	45

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