

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HUHJO	RIPFE (FB)	108.62 / 21.32	3100
CHAFE (IAF)	PIBBS (NOPT) (FB)	263.18 / 17.50	3100
RIPFE (IAF)	PIBBS (NOPT) (FB)	037.09 / 5.01	3100
PIBBS (IF/IAF)	HUMIX (FB)	307.15 / 6.01	3100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3000 DIRECT CISGI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 126.86 INBOUND.
CHART FAS OBST: 1600 TOWER 465438N/0975838W
DISTANCE TO THLD FROM 250 HAT: 0.69 NM.
WAAS CHANNEL # 65918
REFERENCE PATH ID: W31A

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE PIBBS, RT, 307.15 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 307.08 FAF: HUMIX DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: PIBBS 3100, HUMIX 3100, LECPU/2.00 NM TO RW31 2040*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3100 GS ALT AT: HUMIX 3100 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW31 3500

MAG VAR: 7E

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	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	1644	1	250	1644	1	250	1644	1	250		NA				
LNAV/VNAV DA	1717	1 1/4	323	1717	1 1/4	323	1717	1 1/4	323		NA				
LNAV MDA	1900	1	506	1900	1	506	1900	1 1/2	506		NA				
CIRCLING	1920	1	518	2000	1	598	2000	1 1/2	598		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING JAMESTOWN ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

CITY AND STATE VALLEY CITY, ND	ELEVATION: 1402 TDZE: 1394 AIRPORT NAME: BARNES COUNTY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED
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QUALITY
&
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NOTES CONT.**CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.*****LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JAMESTOWN ALTIMETER SETTING AND INCREASE LPV DA 77 FEET AND LNAV/VNAV DA 227 FEET, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/4 MILE AND INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE.

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBAC
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	465621.8320N
LTP/FTP LONGITUDE	0980037.3135W
LTP/FTP ELLIPSOIDAL HEIGHT	+03970
FPAP LATITUDE	465723.7000N
FPAP LONGITUDE	0980210.8600W
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	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

C93476D0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04221
FPAP ORTHOMETRIC HEIGHT	+04221

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBACK3FR31	ACHAFE	010CHAFEK3EA0E	A	IF					18000		A	JS	G
SUSAP KBACK3FR31	ACHAFE	020PIBBSK3EA0EE	B	010TF		26320175		+ 03100			A	JS	G
SUSAP KBACK3FR31	AHUHJO	010HUHJOK3EA0E		IF					18000		A	JS	G
SUSAP KBACK3FR31	AHUHJO	020RIPFEK3EA0E	A	020TF		10860213		+ 03100			A	JS	G
SUSAP KBACK3FR31	AHUHJO	030PIBBSK3EA0EE	B	010TF		03710050		+ 03100			A	JS	G
SUSAP KBACK3FR31	APIBBS	010PIBBSK3EA0EE	AR	HF		30720040		+ 03100	18000		A	JS	G
SUSAP KBACK3FR31	R	010PIBBSK3EA0E	I	IF				+ 03100	18000		A	JS	G
SUSAP KBACK3FR31	R	020HUMIXK3EA1E	F	051TF		30720060		+ 03100		RW31	K3PGA	JS	G
SUSAP KBACK3FR31	R	020HUMIXK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	G
SUSAP KBACK3FR31	R	021LECPUK3EA0E	S	031TF		30710032		V 0204002066		-300	A	JS	G
SUSAP KBACK3FR31	R	030RW31 K3PGOGY	M	031TF		30710020		01425		-300	A	JS	G
SUSAP KBACK3FR31	R	040	O	M 010CA		3071		+ 01644			A	JS	G
SUSAP KBACK3FR31	R	050CISGIK3EA0EY		010DF				+ 03000			A	JS	G
SUSAP KBACK3FR31	R	060CISGIK3EA0EE		R020HM		12690040		+ 03000			A	JS	G

[illegible]

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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KBACK3PR31	RW31	001	0000W31A0N4656218320W09800373135+039700300N4657237000W09802108600106751472000400F400500C93476D0G									
	SUSAP KBACK3PR31	RW31	002E	+04221+04221LPV	65918								G

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KBACK3SRW31	K3PG		0	18018003525							M	G

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