

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: RW32  CLIMB TO 3700 THEN CLIMBING RIGHT TURN TO 7400 DIRECT WUNKI AND HOLD. CONTINUE CLIMB-IN-HOLD TO 7400.  ADDITIONAL FLIGHT DATA: CHART FAS OBST: 3191 FENCE 444342N/1035121W FAS OBST: 3259 AAO 444048N/1034906W DISTANCE TO THLD FROM 376 HATH: 1.05 NM. WAAS CHANNEL # 82728 REFERENCE PATH ID: W32A LTP HAE: 953.9 M											
WUNKI (IF/IAF)	GAGPY (FB)	321.35 / 7.62	5900												
GAGPY (FAF)	COCAK/3.10 NM TO RW32 (FB)	321.29 / 5.31													
COCAK/3.10 NM TO RW32	RW32 (MAP) (FO)	321.25 / 3.10													
RW32 (MAP)	3700 MSL	321.25	3700												
3700 MSL	WUNKI (FO)		7400												
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD SE WUNKI, RT, 321.35 INBOUND, 7400 FT. IN LIEU OF PT (IAF) 3. FAC: 321.29 FAF: GAGPY DIST FAF TO MAP: <u>8.41</u> THLD: <u>8.41</u> 4. MIN. ALT: WUNKI 7400, GAGPY 5900, COCAK/3.10 NM TO RW32 4200* 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>5900</u> GS ALT AT: GAGPY 5900 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>      </u>				MAG VAR: 11E EPOCH YEAR: 1990											
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	3556	1 1/4	376	3556	1 1/4	376	3556	1 1/4	376		NA				
LNAV/VNAV DA	3556	1 1/4	376	3556	1 1/4	376	3556	1 1/4	376		NA				
LNAV MDA	3640	1	460	3640	1	460	3640	1 3/8	460		NA				
CIRCLING	3800	1	609	3820	1	629	3820	1 3/4	629		NA				
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: USE ELLSWORTH ALTIMETER SETTING; WHEN NOT RECEIVED, USE RAPID CITY ALTIMETER SETTING. CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 32 PROCEDURE NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE  BELLE FOURCHE, SD				ELEVATION: 3191 THRE: 3180 AIRPORT NAME:  BELLE FOURCHE MUNI			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1  26 JULY 2012				SUP: AMDT: ORIG DATED 01/15/2009		

## 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.

\*LNAV ONLY

## TAA

	FROM	TO	ALT
1.	231/30 CW 294/30 (NOPT)	WUNKI (IF/IAF) (FB)	7400
2.	294/30 CW 051/30 (NOPT)	294/4 CW 051/4	9300
3.	294/4 CW 051/4	WUNKI (IF/IAF) (FB)	7400
4.	051/30 CW 231/30	051/4 CW 231/4	8600
5.	051/4 CW 231/4	WUNKI (IF/IAF) (FO)	7400

QUALITY  
1  
CHECKED

CITY AND STATE

BELLE FOURCHE, SD

ELEVATION: 3191

THRE: 3180

AIRPORT NAME:

BELLE FOURCHE MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

26 JULY 2012

SUP:

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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 KEFC  
RUNWAY RW32  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W32A  
LTP/FTP LATITUDE 444343.4885N  
LTP/FTP LONGITUDE 1035128.6460W  
LTP/FTP ELLIPSOIDAL HEIGHT +09539  
FPAP LATITUDE 444502.3200N  
FPAP LONGITUDE 1035226.9000W  
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 1376  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

60E12FA6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3  
LTP ORTHOMETRIC HEIGHT +09693  
FPAP ORTHOMETRIC HEIGHT +09693

CITY AND STATE

BELLE FOURCHE, SD

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[illegible]

CITY AND STATE <b>BELLE FOURCHE, SD</b>	ELEVATION: <b>3191</b> <b>THRE: 3180</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>BELLE FOURCHE MUNI</b>		<b>RNAV (GPS) RWY 32, AMDT 1</b>	AMDT: <b>ORIG</b>
		<b>RNAV</b>	26 JULY 2012	DATED: <b>01/15/2009</b>

**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
	WUNKI	WUNKI	010	IAF	HF	R	FO		321.4 (332.4T)	007.0	AA 07400	
		WUNKI	010	FACF	IF		FB				AA 07400	
		GAGPY	020	FAF	TF		FB	0.5	321.4 (332.4T)	007.6	AA 05900	
		COCAK	021	SDF	TF		FB	0.3	321.3 (332.3T)	005.3	AA 04200	GS 04207
		RW32	030	MAP	TF		FO	0.3	321.3 (332.3T)	003.1	AT 03220	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		321.3 (332.3T)		AA 03700	
	WUNKI	050		DF	R	FO				AA 07400	
	WUNKI	060		HM	R	FO		321.4 (332.4T)	007.0	AA 07400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COCAK	N444058.90	W1034927.18	N4440.982	W10349.453
	GAGPY	N443616.69	W1034559.41	N4436.278	W10345.990
	WUNKI	N442932.02	W1034102.61	N4429.534	W10341.044
	RW32	N444343.49	W1035128.65	N4443.725	W10351.478

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	03180	40

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	AIRPORT NAME:			<b>RNAV (GPS) RWY 32, AMDT 1</b>	AMDT: <b>ORIG</b>
	<b>BELLE FOURCHE MUNI</b>		<b>RNAV</b>	<b>26 JULY 2012</b>	DATED: <b>01/15/2009</b>