

**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	LPV: DA LNAV/VNAV: DA LNAV: RW12
ASTOE	DRAVE (FB)	286.84 / 14.30	3500	CLIMB TO 3500 DIRECT REEKY AND HOLD.
DRAVE (IAF)	CYMOL (FB)	205.43 / 10.00	3500	
ZOTBY (IAF)	CYMOL (FB)	097.25 / 18.73	3500	
CYMOL (IF)	HAPMU (FB)	115.35 / 6.00	3400	
HAPMU (FAF)	PAPRE/2.70 NM TO RW12 (FB)	115.43 / 2.79		
PAPRE/2.70 NM TO RW12 (SEE FORM 8260-10)	RW12 (MAP) (FO)	115.43 / 2.70		<b>ADDITIONAL FLIGHT DATA:</b> HOLD SE, RT, 295.69 INBOUND. CHART FAS OBST: 1749 TREE 441757N/0964935W DISTANCE TO THLD FROM 200 HAT: 0.52 NM. CHART VDP AT 1.09 MILES TO RW12* *LNAV ONLY. WAAS CHANNEL # 73036 REFERENCE PATH ID: W12A CHART CIRCLING ICOM LTP HAE: 463.1 M

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT CYMOL
3. FAC: 115.43 FAF: HAPMU DIST FAF TO MAP: 5.49 THLD: 5.49
4. MIN. ALT: CYMOL 3500, HAPMU 3400, PAPRE/2.70 NM TO RW12 2500\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 3400 GS ALT AT: HAPMU 3400 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 50.4 34:1 IS CLEAR
8. MSA FROM: RW12 3800

MAG VAR: 3E EPOCH YEAR: 2015

**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	1821	1/2	200	1821	1/2	200	1821	1/2	200	1821	1/2	200			
LNAV/VNAV DA	1948	5/8	327	1948	5/8	327	1948	5/8	327	1948	5/8	327			
LNAV MDA	2000	1/2	379	2000	1/2	379	2000	5/8	379	2000	5/8	379			
CIRCLING	2140	1	492	2160	1	512	2340	2	692	2340	2 1/4	692			

**NOTES:**  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 \*LNAV ONLY  
 WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PIPESTONE ALTIMETER SETTING AND INCREASE ALL DA 81  
 (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 @ CAT D 800-2 1/4



CITY AND STATE BROOKINGS, SD	ELEVATION: 1648 TDZE: 1621 AIRPORT NAME: BROOKINGS RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, AMDT 1A 20 AUGUST 2015	SUP: AMDT: 1 DATED 09/18/2014
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW12 (MAP)	1821 MSL	115.43	
1821 MSL	REEKY (FO)		3500

NOTES, (CONT.):

FT AND ALL MDA 100 FT; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE; LNAV CATS C AND D VISIBILITY 3/8 MILE; CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PIPESTONE ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZOTBY VIA V170 NORTHWEST BOUND.

CHART NOTE: NIGHT LANDING RWY 17 NA.



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	AIRPORT NAME: BROOKINGS RGNL				AMDT: 1
					DATED: 09/18/2014

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBKX
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	441829.0895N
LTP/FTP LONGITUDE	0964939.0190W
LTP/FTP ELLIPSOIDAL HEIGHT	+04631
FPAP LATITUDE	441746.5460N
FPAP LONGITUDE	0964750.0035W
THRESHOLD CROSSING HEIGHT (TCH)	00050.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0928
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
<u>CRC REMAINDER</u>	C97485EF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04885
FPAP ORTHOMETRIC HEIGHT	+04885



CITY AND STATE <b>BROOKINGS, SD</b>	ELEVATION: 1648 TDZE: 1621 AIRPORT NAME: <b>BROOKINGS RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 12, AMDT 1A</b> 20 AUGUST 2015	SUP:
				AMDT: <b>1</b>
				DATED: <b>09/18/2014</b>

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
 FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KBKX

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ASTOE	010	ASTOE	IF	FB										E
ASTOE	020	DRAVE	TF	FB	2.0	286.8						AA 03500		E A
ASTOE	030	CYMOL	TF	FB	1.0	205.4						AA 03500		EE B
ZOTBY	010	ZOTBY	IF	FB										E A
ZOTBY	020	CYMOL	TF	FB	1.0	097.3						AA 03500		EE B
	010	CYMOL	IF	FB								AA 03500		E I
	020	HAPMU	TF	FB	0.5	115.4				RW12		AA 03400		E F
	021	PAPRE	TF	FB	0.3	115.4		3.00				AA 02500 GS 02513		E S
	030	RW12	TF	FO	0.3	115.4		3.00				AT 01653		GY M
	040		CA	FB		115.4						AA 01821		M
	050	REEKY	DF	FO								AA 03500		EY
	060	REEKY	HM	FO		295.7			R			AA 03500		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ASTOE	N442755.47	W0963816.95
CYMOL	N442357.15	W0970343.66
DRAVE	N443244.99	W0965705.26
HAPMU	N442105.99	W0965622.09
PAPRE	N441946.37	W0965257.34
REEKY	N441242.47	W0963454.13
ZOTBY	N442720.09	W0972926.22

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW12	N441829.09	W0964939.02	01603	50.4



CITY AND STATE <b>BROOKINGS, SD</b>	ELEVATION: <b>1648</b> TDZE: <b>1621</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>BROOKINGS RGNL</b>	<b>RNAV</b>	<b>RNAV (GPS) RWY 12, AMDT 1A</b> 20 AUGUST 2015	AMDT: <b>1</b>
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