

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>				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.													
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW13  CLIMB TO 4000 DIRECT BANRE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 317.85 INBOUND. CHART FAS OBST: 2071 TWR 394552N/0991944W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.20 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 97538 REFERENCE PATH ID: W13A CHART CIRCLING ICON. LTP HAE: 555.8 M							
BOLVE (IF/IAF)		AMEGE (FB)		137.63 / 7.10				3900									
AMEGE (FAF)		VEBBU/2.40 NM TO RW13 (FB)		137.69 / 3.70													
VEBBU/2.40 NM TO RW13		RW13 (MAP) (FO)		137.69 / 2.40													
RW13 (MAP)		2157 MSL		137.69				4000									
2157 MSL		BANRE (FO)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW BOLVE, RT, 137.63 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 137.69 FAF: AMEGE _____ DIST FAF TO MAP: 6.10 THLD: 6.10 4. MIN. ALT: BOLVE 4000, AMEGE 3900, VEBBU/2.40 NM TO RW13 2720* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3900 GS ALT AT: AMEGE 3900 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR 8. MSA FROM: _____										MAG VAR: 5E		EPOCH YEAR: 2020					
<b>MINIMUMS</b>																	
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	2157	1	250	2157	1	250	2157	1	250		NA						
LNAV/VNAV DA	2358	1 1/2	451	2358	1 1/2	451	2358	1 1/2	451		NA						
LNAV MDA	2340	1	433	2340	1	433	2340	1 1/4	433		NA						
CIRCLING	2340	1	433	2360	1	453	2380	1 1/2	473		NA						
NOTES: CHART NOTE: CIRCLING NA TO RWYS 3 AND 21. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA NE OF RWY 13-31. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																	
CITY AND STATE PHILLIPSBURG, KS		ELEVATION: 1907 TDZE: 1907 AIRPORT NAME: PHILLIPSBURG MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 2 31 MARCH 2016				SUP: AMDT: 1A DATED 08/20/2015					

 QUALITY  
10  
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: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.**

**CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HAYS RGNL ALTIMETER SETTING.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAYS RGNL ALTIMETER SETTING AND INCREASE ALL DA AND MDA 140 FT; INCREASE LPV VISIBILITY 1/4 MILE ALL CATS AND LNAV/VNAV VISIBILITY 1/2 MILE ALL CATS; INCREASE LNAV CAT C VISIBILITY 3/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	048/30 CW 228/30 (NOPT)	048/12 CW 228/12	4500
	048/12 CW 228/12	BOLVE (IF/IAF) (FB)	4000
2.	228/30 CW 048/30	BOLVE (IF/IAF) (FO)	4000

QUALITY  
10

CITY AND STATE  
PHILLIPSBURG, KS

ELEVATION: 1907 TDZE: 1907  
AIRPORT NAME:  
PHILLIPSBURG MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) RWY 13, AMDT 2**  
31 MARCH 2016

SUP: **CHECKED**  
AMDT: 1A  
DATED: 08/20/2015

**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	KPHG
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	394422.8895N
LTP/FTP LONGITUDE	0991915.5300W
LTP/FTP ELLIPSOIDAL HEIGHT	+05558
FPAP LATITUDE	394311.9120N
FPAP LONGITUDE	0991805.6200W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
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
 <u>CRC REMAINDER</u>	 456CFF9A

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05812
FPAP ORTHOMETRIC HEIGHT	+05812

CITY AND STATE

PHILLIPSBURG, KS

ELEVATION: 1907

TDZE: 1907

AIRPORT NAME:

PHILLIPSBURG MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, AMDT 2

31 MARCH 2016

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AMDT:

DATED:

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1A

08/20/2015

**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 - KPHG

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
BOLVE	010	BOLVE	HF	FO		137.6			R			AA 04000		EE A
	010	BOLVE	IF	FB								AA 04000		E I
	020	AMEGE	TF	FB	0.5	137.6						AA 03900		E F
	021	VEBBU	TF	FB	0.3	137.7		3.00				AA 02720 GS 02721		E S
	030	RW13	TF	FO	0.3	137.7		3.00				AT 01957		GY M
	040		CA	FB		137.7						AA 02157		M
	050	BANRE	DF	FO								AA 04000		EY
	060	BANRE	HM	FO		317.9			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AMEGE	N394914.40	W0992403.19
BANRE	N393359.21	W0990903.72
BOLVE	N395453.28	W0992938.72
VEBBU	N394617.58	W0992108.60

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW13	N394422.89	W0991915.53	01907	50

CITY AND STATE <b>PHILLIPSBURG, KS</b>	ELEVATION: <b>1907</b> TDZE: <b>1907</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 13, AMDT 2</b> 31 MARCH 2016	SUP: 
	AIRPORT NAME: <b>PHILLIPSBURG MUNI</b>	<b>RNAV</b>		AMDT: <b>1A</b>
				DATED: <b>08/20/2015</b>