

<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: RW31  CLIMB TO 4000 DIRECT BOLVE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, RT, 137.63 INBOUND. CHART FAS OBST: 1938 TREE 394349N/0991848W DISTANCE TO THLD FROM 250 HAT: 0.60 NM. WAAS CHANNEL # 93638 REFERENCE PATH ID: W31A CHART CIRCLING ICON. LTP HAE: 549 M							
BANRE (IF/IAF)		ANEBE (FB)		317.85 / 7.10				3600									
ANEBE (FAF)		CETAX/1.90 NM TO RW31 (FB)		317.79 / 3.30													
CETAX/1.90 NM TO RW31		RW31 (MAP) (FO)		317.79 / 1.90													
RW31 (MAP)		2150 MSL		317.79													
2150 MSL		BOLVE (FO)						4000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE BANRE, RT, 317.85 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 317.79 FAF: ANEBE DIST FAF TO MAP: 5.20 THLD: 5.20 4. MIN. ALT: BANRE 4000, ANEBE 3600, CETAX/1.90 NM TO RW31 2540* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3600 GS ALT AT: ANEBE 3600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 60.0 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	2150	1	250	2150	1	250	2150	1	250		NA						
LNAV/VNAV DA	2150	1	250	2150	1	250	2150	1	250		NA						
LNAV MDA	2200	1	300	2200	1	300	2200	1	300		NA						
CIRCLING	2280	1	373	2360	1	453	2380	1 1/2	473		NA						
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING HAYS RGNL ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. 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		ELEVATION: 1907 TDZE: 1900				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PHILLIPSBURG, KS		AIRPORT NAME:				RNAV		RNAV (GPS) RWY 31, AMDT 2				AMDT: 1A					
		PHILLIPSBURG MUNI						31 MARCH 2016				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**

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.

**NOTES, (CONT.):**

**CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.**

**CHART NOTE: CIRCLING NA TO RWY 3-21.**

**\*LNAV ONLY.**

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

**TAA**

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

CITY AND STATE  
**PHILLIPSBURG, KS**

**ELEVATION: 1907**      **TDZE: 1900**  
AIRPORT NAME:  
**PHILLIPSBURG MUNI**

FACILITY  
IDENTIFIER:  
**RNAV**

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

SUP: **10**  
AMDT: **1A**  
DATED: **08/20/2015**

QUALITY  
10  
CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - 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.

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPHG
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	394347.4625N
LTP/FTP LONGITUDE	0991840.6330W
LTP/FTP ELLIPSOIDAL HEIGHT	+05490
FPAP LATITUDE	394458.4380N
FPAP LONGITUDE	0991950.5575W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
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**

96E4A0FD

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05744
FPAP ORTHOMETRIC HEIGHT	+05744

CITY AND STATE

PHILLIPSBURG, KS

ELEVATION: 1907

TDZE: 1900

AIRPORT NAME:

PHILLIPSBURG MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 2

31 MARCH 2016

SUP:

AMDT:

DATED:

 QUALITY  
10  
CHECKED

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**

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.

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
BANRE	010	BANRE	HF	FO		317.9			R			AA 04000		EE A
	010	BANRE	IF	FB								AA 04000		E I
	020	ANEBE	TF	FB	0.5	317.9						AA 03600		E F
	021	CETAX	TF	FB	0.3	317.8		3.00				AA 02540 GS 02550		E S
	030	RW31	TF	FO	0.3	317.8		3.00				AT 01945		GY M
	040		CA	FB		317.8						AA 02150		M
	050	BOLVE	DF	FO								AA 04000		EY
	060	BOLVE	HM	FO		137.6		R				AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ANEBE	N393938.92	W0991436.18
BANRE	N393359.21	W0990903.72
BOLVE	N395453.28	W0992938.72
CETAX	N394216.64	W0991711.23

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N394347.46	W0991840.63	01885	60

CITY AND STATE <b>PHILLIPSBURG, KS</b>	ELEVATION: <b>1907</b> TDZE: <b>1900</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 31, 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>

QUALITY  
10  
CHECKED