

<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>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>															
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW04  CLIMB TO 4800 DIRECT NULEE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NE, RT, 219.03 INBOUND. FAS OBST: 3144 AAO 370005N/1010215W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.49 MILES TO RW04* *LNAV ONLY. WAAS CHANNEL # 72905 REFERENCE PATH ID: W04A CHART CIRCLING ICON. LTP HAE: 852.8 M					
RIDDO (IAF)		PERDE (NOPT) (FB)		308.85 / 5.00				4800							
HENPI (IAF)		PERDE (NOPT) (FB)		128.77 / 5.00				4800							
PERDE (IF/IAF)		LENDE (FB)		038.81 / 6.20				4600							
LENDE (FAF)		RW04 (MAP) (FO)		038.86 / 5.19											
RW04 (MAP)		3136 MSL		038.86											
3136 MSL		NULEE (FO)						4800							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW PERDE, RT, 038.81 INBOUND, 4800 FT. IN LIEU OF PT (IAF) 3. FAC: 038.86 FAF: LENDE _____ DIST FAF TO MAP: 5.19 THLD: 5.19 4. MIN. ALT: PERDE 4800, LENDE 4600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4600 GS ALT AT: LENDE 4600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 39.0 34:1 IS NOT CLEAR 8. MSA FROM: _____															
										MAG VAR: 6E			EPOCH YEAR: 2015		
<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	3136	7/8	250	3136	7/8	250	3136	7/8	250	3136	7/8	250			
LNAV/VNAV DA	3300	1 3/8	414	3300	1 3/8	414	3300	1 3/8	414	3300	1 3/8	414			
LNAV MDA	3400	1	514	3400	1	514	3400	1 3/8	514	3400	1 3/8	514			
CIRCLING	3400	1	514	3400	1	514	3400	1 1/2	514	3440	2	554			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA EAST OF RWY 17-35. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE  LIBERAL, KS		ELEVATION: 2886 TDZE: 2886 AIRPORT NAME:  LIBERAL MID-AMERICA RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG-A  8 JANUARY 2015				SUP:					
										AMDT:					
										DATED 08/30/2007					

QUALITY  
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 CHECKED  
 ORIG

**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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**NOTES, (CONT.):**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GUYMON MUNI ALTIMETER SETTING:

INCREASE ALL DA 112 FEET AND ALL MDA 120 FEET; INCREASE ALL VISIBILITIES 3/8 MILE.

CHART NOTE: BARO-VNAV NA WHEN USING GUYMON MUNI ALTIMETER SETTING.

CHART NOTE: VDP NA WHEN USING GUYMON MUNI ALTIMETER SETTING.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

**TAA**

	FROM	TO	ALT
1.	309/30 CW 129/30 (NOPT)	309/12 CW 129/12 (FB)	5100
2.	309/12 CW 129/12	PERDE (IAF) (FB)	4800
3.	129/30 CW 219/30	HENPI (IAF) (FB)	4900
4.	219/30 CW 309/30	RIDDO (IAF) (FB)	4800

CITY AND STATE

LIBERAL, KS

ELEVATION: 2886

TDZE: 2886

AIRPORT NAME:

LIBERAL MID-AMERICA RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, ORIG-A

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# RNAV STANDARD INSTRUMENT APPROACH PROCEDURE

## FLIGHT STANDARDS SERVICE - FAR PART 97.33

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### FAS DATA BLOCK INFORMATION

#### DATA FIELD

#### DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLBL
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	370219.2475N
LTP/FTP LONGITUDE	1005815.8335W
LTP/FTP ELLIPSOIDAL HEIGHT	+08528
FPAP LATITUDE	370322.4330N
FPAP LONGITUDE	1005657.2605W
THRESHOLD CROSSING HEIGHT (TCH)	00039.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

#### CRC REMAINDER

742DDA4E

### ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+08795
FPAP ORTHOMETRIC HEIGHT	+08795

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CITY AND STATE LIBERAL, KS	ELEVATION: 2886 TDZE: 2886 AIRPORT NAME: LIBERAL MID-AMERICA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG-A 8 JANUARY 2015	SUP:	4
				AMDT:	ORIG
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**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
	HENPI	HENPI	010	IAF	IF		FB					
	HENPI	PERDE	020		TF		FB	1.0	128.8 (134.8T)	005.0	AA 04800	
	PERDE	PERDE	010	IAF	HF	R	FO		038.8 (044.8T)	005.0	AA 04800	
	RIDDO	RIDDO	010	IAF	IF		FB					
	RIDDO	PERDE	020		TF		FB	1.0	308.9 (314.9T)	005.0	AA 04800	
		PERDE	010	FACF	IF		FB				AA 04800	
		LENDE	020	FAF	TF		FB	0.5	038.8 (044.8T)	006.2	AA 04600	
		RW04	030	MAP	TF		FO	0.3	038.9 (044.9T)	005.2	AT 02925	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		038.9 (044.9T)		AA 03136	
	NULEE	050		DF		FO				AA 04800	
	NULEE	060		HM	R	FO		219.0 (225.0T)	005.0	AA 04800	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HENPI	N365745.81	W1011242.90	N3657.764	W10112.715
	LENDE	N365838.32	W1010250.14	N3658.639	W10102.836
	NULEE	N371104.23	W1004721.04	N3711.071	W10047.351
	PERDE	N365414.19	W1010817.33	N3654.237	W10108.289
	RIDDO	N365042.40	W1010352.17	N3650.707	W10103.870
	RW04	N370219.25	W1005815.83	N3702.321	W10058.264

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	02886	39

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	LIBERAL MID-AMERICA RGNL		RNAV	8 JANUARY 2015	DATED: 08/30/2007

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