

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.

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
EMEND	VOHBU (FB)	261.83 / 8.60	3000	LPV: DA LNAV/VNAV: DA LNAV: RW36  CLIMB TO 3000 DIRECT IPORE AND HOLD.			
MEPWE	CAVIP (FB)	092.10 / 7.81	3000				
OVR VORTAC	WAMET (FO)	186.81 / 6.14	3000	ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.53 INBOUND. CHART FAS OBST: 1329 TREE 411414N/0954504W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 0.91 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 53606 REFERENCE PATH ID: W36A CHART CIRCLING ICON. LTP HAE: 351 M			
VOHBU (IAF)	WAMET (NOPT) (FB)	266.62 / 6.44	3000				
CAVIP (IAF)	WAMET (NOPT) (FB)	086.44 / 6.44	3000				
WAMET (IF/IAF)	JATIN (FB)	356.53 / 6.14	2900				
JATIN (FAF)	HODIN/1.70 NM TO RW36 (FB)	356.53 / 3.35					
(SEE FORM 8260-10)							

  

1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF)	
2. HOLD S WAMET, RT, 356.53 INBOUND, 3000 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>356.53</u> FAF: <u>JATIN</u>	DIST FAF TO MAP: <u>5.05</u> THLD: <u>5.05</u>
4. MIN. ALT: WAMET 3000, JATIN 2900, HODIN/1.70 NM TO RW36 1820*	
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>2900</u> GS ALT AT: JATIN 2900 OM: <u>      </u> MM: <u>      </u> IM: <u>      </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS CLEAR	
8. MSA FROM: RW36 3900	

  

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	1445	3/4	200	1445	3/4	200	1445	3/4	200	1445	3/4	200			
LNAV/VNAV DA	1495	3/4	250	1495	3/4	250	1495	3/4	250	1495	3/4	250			
LNAV MDA	1580	1	335	1580	1	335	1580	1	335	1580	1	335			
CIRCLING	1700	1	455	1840	1	595	1840	1 1/2	595	1880	2	635			

  

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPPLEY AIRFIELD ALTIMETER SETTING AND INCREASE ALL DA 52 FEET, AND ALL MDA 60 FEET AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, (SEE FORM 8260-10)

CITY AND STATE COUNCIL BLUFFS, IA	ELEVATION: 1245 TDZE: 1245 AIRPORT NAME: COUNCIL BLUFFS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 13 NOVEMBER 2014	SUP: AMDT: 1 DATED 07/29/2010
--------------------------------------	--	------------------------------	---	-------------------------------------

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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HODIN/1.70 NM TO RW36	RW36 (MAP) (FO)	356.53 / 1.70	
RW36 (MAP)	1445 MSL	356.53	
1445 MSL	IPORE (FO)		3000

NOTES, (CONT.):

LNAV CAT C AND D VISIBILITY 1/8 MILE, AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WITH EPPLEY AIRFIELD ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OVR VORTAC AIRWAY RADIALS 145 CW 276.



CITY AND STATE  
 COUNCIL BLUFFS, IA

ELEVATION: 1245 TDZE: 1245  
 AIRPORT NAME:  
 COUNCIL BLUFFS MUNI

FACILITY  
 IDENTIFIER:  
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 36, AMDT 2  
 13 NOVEMBER 2014

SUP:  
 AMDT: 1  
 DATED: 07/29/2010

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 INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCBF
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	411512.6900N
LTP/FTP LONGITUDE	0954528.6210W
LTP/FTP ELLIPSOIDAL HEIGHT	+03510
FPAP LATITUDE	411641.8070N
FPAP LONGITUDE	0954525.4660W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

418428F9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03786
FPAP ORTHOMETRIC HEIGHT	+03786

CITY AND STATE

COUNCIL BLUFFS, IA

ELEVATION: 1245

TDZE: 1245

AIRPORT NAME:

COUNCIL BLUFFS MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2

13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 07/29/2010

## RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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 PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCBFK3FR36	AEMEND	010EMENDK3EA0E	IF						18000		A JS	
SUSAP	KCBFK3FR36	AEMEND	020VOHBUK3EA0E	A 020TF		26180086	+	03000				A JS	
SUSAP	KCBFK3FR36	AEMEND	030WAMETK3EA0EE	B 010TF		26660064	+	03000				A JS	
SUSAP	KCBFK3FR36	AMEPWE	010MEPWK3EA0E	IF						18000		A JS	
SUSAP	KCBFK3FR36	AMEPWE	020CAVIPK3EA0E	A 020TF		09210078	+	03000				A JS	
SUSAP	KCBFK3FR36	AMEPWE	030WAMETK3EA0EE	B 010TF		08640064	+	03000				A JS	
SUSAP	KCBFK3FR36	AOVR	010OVR K3D 0V	IF						18000		A JS	
SUSAP	KCBFK3FR36	AOVR	020WAMETK3EA0EY	020TF		18680061	+	03000				A JS	
SUSAP	KCBFK3FR36	AOVR	030WAMETK3EA0EE	AR HF		35650040	+	03000				A JS	
SUSAP	KCBFK3FR36	R	010WAMETK3EA0E	I IF			+	03000		18000		A JS	
SUSAP	KCBFK3FR36	R	020JATINK3EA1E	F 051TF		35650061	+	02900			RW36 K3PGA	JS	
SUSAP	KCBFK3FR36	R	020JATINK3EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KCBFK3FR36	R	021HODINK3EA0E	S 031TF		35650034	V	0182001833		-300		A JS	
SUSAP	KCBFK3FR36	R	030RW36 K3PG0GY	M 031TF		35650017		01292		-300		A JS	
SUSAP	KCBFK3FR36	R	040	O M CA		3565	+	01445				A JS	
SUSAP	KCBFK3FR36	R	050IPOREK3EA0EY	DF			+	03000				A JS	
SUSAP	KCBFK3FR36	R	060IPOREK3EA0EE	R HM		17650040	+	03000				A JS	

1 2 3 4 5 6 7 8 9 0 1 2 3

CITY AND STATE  
COUNCIL BLUFFS, IA

ELEVATION: 1245	TDZE: 1245
AIRPORT NAME: COUNCIL BLUFFS MUNI	

FACILITY  
IDENTIFIER:

## RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
**RNAV (GPS) RWY 36, AMDT 2**  
 13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 07/29/2010

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 visibility which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE <b>COUNCIL BLUFFS, IA</b>	ELEVATION: <b>1245</b>	TDZE: <b>1245</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 36, AMDT 2</b>  13 NOVEMBER 2014	SUP:
	AIRPORT NAME: <b>COUNCIL BLUFFS MUNI</b>	FACILITY IDENTIFIER:  <b>RNAV</b>		AMDT: <b>1</b>
				DATED: <b>07/29/2010</b>

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	EMEND	EMEND	010		IF		FB					
	EMEND	VOHBU	020	IAF	TF		FB	2.0	261.8 (266.8T)	008.6	AA 03000	
	EMEND	WAMET	030		TF		FB	1.0	266.6 (271.6T)	006.4	AA 03000	
	MEPWE	MEPWE	010		IF		FB					
	MEPWE	CAVIP	020	IAF	TF		FB	2.0	092.1 (097.1T)	007.8	AA 03000	
	MEPWE	WAMET	030		TF		FB	1.0	086.4 (091.4T)	006.4	AA 03000	
	OVR	OVR	010		IF		FB					
	OVR	WAMET	020		TF		FO	2.0	186.8 (191.8T)	006.1	AA 03000	
	OVR	WAMET	030	IAF	HF	R	FO		356.5 (001.5T)	004.0	AA 03000	
		WAMET	010	FACF	IF		FB				AA 03000	
		JATIN	020	FAF	TF		FB	0.5	356.5 (001.5T)	006.1	AA 02900	
		HODIN	021	SDF	TF		FB	0.3	356.5 (001.5T)	003.4	AA 01820	GS 01833
		RW36	030	MAP	TF		FO	0.3	356.5 (001.5T)	001.7	AT 01292	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.5 (001.5T)		AA 01445	
	IPORE	050		DF		FO				AA 03000	
	IPORE	060		HM	R	FO		176.5 (181.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OVR	N411001.80	W0954412.67	N4110.030	W09544.211
	CAVIP	N410411.16	W0955423.01	N4104.186	W09554.384
	EMEND	N410419.58	W0952600.59	N4104.326	W09526.010
	HODIN	N411330.67	W0954532.23	N4113.511	W09545.537
	IPORE	N412720.87	W0954502.78	N4127.348	W09545.046
	JATIN	N411009.70	W0954539.33	N4110.162	W09545.656
	MEPWE	N410509.57	W0960437.99	N4105.160	W09604.633
	VOHBU	N410350.51	W0953721.68	N4103.842	W09537.361
	WAMET	N410401.15	W0954552.32	N4104.019	W09545.872
	RW36	N411512.69	W0954528.62	N4115.212	W09545.477

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	01242	50

CITY AND STATE  
COUNCIL BLUFFS, IA

ELEVATION: 1245  
AIRPORT NAME:  
COUNCIL BLUFFS MUNI

TDZE: 1245

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
RNAV (GPS) RWY 36, AMDT 2  
13 NOVEMBER 2014

SUP:

AMDT: 1

DATED: 07/29/2010