

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> BBW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> BROKEN BOW	<u>STATE</u> NE
<u>AIRPORT ELEVATION</u> 2546	<u>TDZE</u> 2546	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>DATED</u> 11/08/2018	<u>MAG VAR</u> 8E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1995
			<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
BONIL		IFFUL		TF	FB	1.00	290.13	36.81	4500
IFFUL	IAF	IMEQI		TF	FB	1.00	230.54	5.00	4500
BOKKI	IAF	IMEQI		TF	FB	1.00	126.44	6.75	4500
IMEQI	IF	HIDPA		TF	FB	1.00	140.48	6.12	3900
HIDPA	FAF	FEKUK/2.80 NM TO RW14		TF	FB	0.30	140.53	1.28	
FEKUK/2.80 NM TO RW14		RW14	MAP	TF	FO	0.30	140.53	2.80	
RW14	MAP	2801 MSL		CA			140.53		
2801 MSL		LUXXE		DF	FO	1.00			4300

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4300 DIRECT LUXXE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
2. PROFILE STARTS AT IMEQI
3. FAC: 140.53 FAF: HIDPA DIST FAF TO MAP: 4.08 DIST FAF TO THLD: 4.08
4. MIN ALT: IMEQI 4500, HIDPA 3900, FEKUK/2.80 NM TO RW14 3480
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 255 HAT: 0.67 GS ANT: IM:
6. MIN GP INCPT: 3900 GP ALT AT PFAF: HIDPA 3900 OM: MM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0
8. MSA FROM: RW14 4500

QUALITY
30
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LBF ALTIMETER SETTING: INCREASE LPV DA TO 2947 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 3337 FEET AND ALL VISIBILITIES 5/8 SM; INCREASE ALL MDAS 160 FEET AND LNAV VISIBILITY CAT B 1/4 SM, AND CIRCLING VISIBILITY CAT B 1/4 SM.
CHART NOTE: BARO/VNAV AND VDP NA WHEN USING LBF ALTIMETER SETTING.
CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 320.57 INBOUND.
CHART FAS OBST: 2919 TREE 412837N/0994117W.
CHART VDP AT 1.85 NM TO RW14.
WAAS CHANNEL # 72609
REFERENCE PATH ID: W14A
LTP HAE: 753.4 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	2801	1	255	2801	1	255		NA			NA				
LNAV/VNAV DA	3191	1 7/8	645	3191	1 7/8	645		NA			NA				
LNAV MDA	3180	1	634	3180	1	634		NA			NA				
CIRCLING	3180	1	634	3180	1	634		NA			NA				



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM FOR ORIG-A AND ORIG-B INTO FORM - IAW 8260.19I 8-3-4 C(3).
2. PROFILE LINE 4: REMOVED ASTERISK FROM "RWY 14 3480*" - NO LONGER REQUIRED.
3. PROFIILE LINE 7: UPDATED FROM "34:1 IS CLEAR" TO "34:1 IS NOT CLEAR" - 34:1 IS PENETRATED AND IAW 8260.19J 8-6-7.G.3.
4. PBN REQUIREMENTS NOTE: UPDATED "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19J 8-6-8.
5. NOTES: UPDATED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORTH PLATTE RGNL ALTIMETER SETTING AND INCREASE ALL DA/MDA 160 FEET AND INCREASE LPV ALL CATS VISIBILITY 1/2 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/4 MILE, LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LBF ALTIMETER SETTING: INCREASE LPV DA TO 2947 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 3337 FEET AND ALL VISIBILITIES 5/8 SM; INCREASE ALL MDAS 160 FEET AND LNAV VISIBILITY CAT B 1/4 SM, AND CIRCLING VISIBILITY CAT B 1/4 SM" - IAW 8260.19J 8-6-12.N.
6. NOTES: UPDATED "CHART NOTE: VDP AND BARO/VNAV NA WHEN USING NORTH PLATTE RGNL ALTIMETER SETTING" TO "CHART NOTE: BARO/VNAV AND VDP NA WHEN USING LBF ALTIMETER SETTING" - IAW 8260.19J 8-6-10.E.8.
7. NOTES: REMOVED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT" - NEW SURVERY INFORMATION DATED 9/5/24. VGSI TCH CHANGED TO 40FT, NOW COINCIDENT WITH DESCENT ANGLE.
8. NOTES: REMOVED "LNAV ONLY" - NO LONGER REQUIRED.
9. ADDITIONAL FLIGHT DATA: UPDATED "CHART VDP AT 1.89 MILES TO RW14" TO "CHART VDP AT 1.85 NM TO RW14" - UPDATED AIRPORT SURVEY 04/25/2024.
10. ADDITIONAL FLIGHT DATA: ADDED "LTP HAE: 753.4 M" - IAW 8260.19J APPENDIX K.I.
11. ADDITIONAL FLIGHT DATA: MOVED AND UPDATED "DISTANCE TO THLD FROM 255 HAT: 0.68 NM" TO "255 HAT: 0.67" - MOVED TO PROFILE LINE 6 AND IAW 8260.19J 8-6-7.F.
12. ADDITIONAL FLIGHT DATA: REMOVED "FAS OBST 2849 TREE 412813N/0993940W" - IAW 8260.19J 8-6-11.C.
13. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS LAT/LONGS FROM "422837N/09941177W" TO "412837N/0994117W" - IAW 8260.19J 8-6-11.C.
14. MINIMUMS: UPDATED LNAV/VNAV VIS FROM "2 1/4" TO "1 7/8" - IAW 8260.3 TABLE 3-3-1.
15. MINIMUMS: UPDATED CIRCLING CAT A & B HAA FROM "643" TO "634" - UPDATED WITH T-NOTAM FDC 3/2731.
16. FAS DATA BLOCK INFORMATION: CRC REMAINDER UPDATED FROM "C5458E4E" TO "D46ADB16" - LTP/FTP LATITUDE/LONGITUDE UPDATED FROM "412628.9175N/0993846.1840W" TO "412628.9175N/0993846.1845W" AND FPAP LAT/LONG FROM "412512.8600N/0993744.4100W" TO "412512.8605N/0993744.3970W" AND LTP/FPAP ORTHOMETRIC HEIGHT FROM "+07762" TO "+07761" AND LTP/FTP ELLIPSOIDAL HEIGHT FROM "+07535" TO "+07534".

08/23/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 08/13/2024.

1. DELETED CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT BONIL ON V172 EASTBOUND" - V172 REMOVED FROM BONIL 8260-2 FIX USE ON 06/15/2023.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZDV, ST. AV. DIR., AMGR

FLIGHT CHECKED BY
SHAWN DOUGLAS MAXWELL

Digitally signed by
ROBERT G HAMILTON
Aug 29, 2024

OFFICE
FIOG
DATE
08/07/2024

DEVELOPED BY
ROBERT G HAMILTON (MATTHEW W.TOWNSEND)

Digitally signed by
ROBERT G HAMILTON
Aug 29, 2024

OFFICE
AJV-A433
DATE
04/26/2024

APPROVED BY
ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
Aug 29, 2024

OFFICE
AJV-A433
DATE
TITLE
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBBW
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	412628.9175N
LTP/FTP LONGITUDE	0993846.1845W
LTP/FTP ELLIPSOIDAL HEIGHT	+07534
FPAP LATITUDE	412512.8605N
FPAP LONGITUDE	0993744.3970W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D46ADB16

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07761
FPAP ORTHOMETRIC HEIGHT	+07761



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
BBW	RNAV (GPS) RWY 14	ORIG-C	BROKEN BOW	NE	2546	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM BONIL **TO** IFFUL

RNP 1.00 **DISTANCE** 36.81 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	413430.00N/0993318.00W	2966	164	98	4E	1000				AT534	4500
TERRAIN	413430.00N/0993318.00W	2766 (2800)								AS1500	4300

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INITIAL

FROM IFFUL **TO** IMEQI

RNP 1.00 **DISTANCE** 5.00 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	413348.00N/0994203.00W	2989	164	98	4E	1000				AT511	4500
TERRAIN	413348.00N/0994203.00W	2789 (2800)								AS1500	4300

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



INITIAL

FROM

BOKKI

TO

IMEQI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.75										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	413751.00N/0995648.00W	3140	164	98	4E	1000				AT360	4500
TERRAIN	414018.00N/0994948.00W	2911 (2900)								AS1500	4400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

IMEQI

TO

HIDPA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.12										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	413030.00N/0994430.00W	3081	164	119	4E	500				AC119	3700
TERRAIN	413030.00N/0994430.00W	2881 (2900)								AS1000	3900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

HIDPA

TO

RW14

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	4.08		DA	255	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
VEHICLES ON ROAD	412645.46N/0993902.03W	2597	20	3	1A		34.00:1			XP204	2801

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP 204 - USED TO RETAIN PREVIOUS MINS.

FINAL: LNAV/VNAV

FROM

HIDPA

TO

RW14

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	4.08		DA	645	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (31-035634)	412748.02N/0994008.56W	2830	20	3	1A		23.10:1			XP361	3191

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP 361 - USED TO RETAIN PREVIOUS MINS.



FINAL: LNAV

FROM

HIDPA

TO

FEKUK/2.80 NM TO RW14

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.28										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	412936.00N/0994130.00W	3049	50	20	2C	250				DG21 RA160	3480

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

FEKUK/2.80 NM TO RW14

TO

RW14

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.80		RW14		634						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	412837.00N/0994117.00W	2919	50	20	2C	250					3180

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LPV

FROM

DA

TO

LUXXE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 2612				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4300
TOWER (31-000119)	412348.26N/0993704.30W	2931	20	3	1A	1000					4000
TERRAIN	412745.00N/0994009.00W	2815 (2800)								AS1500	4300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

LUXXE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 3049				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4300
TOWER (31-000119)	412348.26N/0993704.30W	2931	20	3	1A	1000					4000
TERRAIN	412745.00N/0994009.00W	2815 (2800)								AS1500	4300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV

FROM

RW14

TO

LUXXE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 3080				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				4300
TOWER (31-000119)	412348.26N/0993704.30W	2931	20	3	1A	1000					4000
TERRAIN	412745.00N/0994009.00W	2815 (2800)								AS1500	4300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	412648.00N/0993942.00W	1.34	634	2816	215	8	4B	300		SI	3180
CATEGORY B											
TREE (31-035634)	412748.02N/0994008.56W	1.90	634	2830	20	3	1A	300		SI	3180

CIRCLING REMARKS:

MSA

CENTER

RW14

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (31-000324)	412731.08N/1001131.96W	265	24.7	3370	250	50	4D	1000		AT130	4500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDV ARTCC, OLU FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	BBW	24	BBW	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	LBF	24	LBF	50.55	Y	146

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KBBW 2546, KLBF 2764
RA = 145.8.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW14 - REIL (PCL), MIRL (PCL), PAPI-2L (PCL)		NPI-G	
RW32 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	2546.3	40.0			3.00	40.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-7C	+54C	-7C	+9.96C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2019-2023).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 734 HIGH TEMP 1163.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LNAV, LNAV/VNAV
34:1	
2827 TREE (31-035008) 412743.3100N/0994004.3000W (6.37)	2560 VEHICLES ON ROAD (31-035528) 412633.9000N/0993851.4800W (0.74)
2560 VEHICLES ON ROAD (31-036618) 412635.3400N/0993848.3600W (0.73)	2560 VEHICLES ON ROAD (31-035527) 412634.6400N/0993849.8900W (0.72)
2559 VEHICLES ON ROAD (31-035526) 412633.0500N/0993852.8700W (0.27)	
FINAL TYPE	LPV



<u>AIRPORT ID</u> BBW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> BROKEN BOW	<u>STATE</u> NE	<u>AIRPORT ELEVATION</u> 2546	<u>FACILITY</u> RNAV
34:1						
2560 VEHICLES ON ROAD (31-035528) 412633.9000N/0993851.4800W (0.74)			2560 VEHICLES ON ROAD (31-036618) 412635.3400N/0993848.3600W (0.73)			
2560 VEHICLES ON ROAD (31-035527) 412634.6400N/0993849.8900W (0.72)			2559 VEHICLES ON ROAD (31-035526) 412633.0500N/0993852.8700W (0.27)			
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VEGETATION HEIGHT: 40 FT.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	4.12
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	148.53
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	2900
DISTANCE FROM	THLD	TO 1500FT POINT	9.96
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	148.53
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2900

THRESHOLD COORDINATES (IF STR-IN)	412628.92N/0993846.18W
ARP COORDINATES	412611.21N/0993831.79W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 14 DISTANCE 0.35 NM
FAF COORDINATES	412957.76N/0994136.03W
FIX NAME COORDINATES	IF IMEQI 413511.02N/0994551.50W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
ROBERT G HAMILTON (MATTHEW W.TOWNSEND)	AJV-A433	04/26/2024	AERONAUTICAL INFORMATION SPECIALIST



AIRPORT ID
BBW

PROCEDURE NAME
RNAV (GPS) RWY 14

AMDT NO.
ORIG-C

CITY
BROKEN BOW

STATE
NE

AIRPORT ELEVATION
2546

FACILITY
RNAV

