

**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</u> BELLE PLAINE MUNI	<u>AIRPORT ID</u> KTZT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> BELLE PLAINE	<u>STATE</u> IA	
<u>AIRPORT ELEVATION</u> 771	<u>TDZE</u> 769	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 0E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
OPDUY		WIJDY		TF	FB	1.00	152.76	9.23	3000
BEIGE		GIKIW		TF	FO	1.00	203.18	10.20	3000
WELMA		ZIBIK		TF	FB	1.00	307.02	13.28	3000
WIJDY	IAF	GIKIW	NOPT	TF	FB	1.00	087.04	6.00	3000
ZIBIK	IAF	GIKIW	NOPT	TF	FB	1.00	306.86	6.00	3000
GIKIW	IF/IAF	OHBEF		TF	FB	1.00	357.13	5.00	2500
OHBEF	FAF	JOTIM/2.20 NM TO RW36		TF	FB	0.30	357.12	3.11	
JOTIM/2.20 NM TO RW36		RW36	MAP	TF	FO	0.30	357.12	2.20	
RW36	MAP	1083 MSL		CA			357.12		
1083 MSL		VOBRE		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW36

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT VOBRE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD S GIKIW, RT, 357.13 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 357.12      FAF: OHBEF      DIST FAF TO MAP: 5.31      DIST FAF TO THLD: 5.31

4. MIN ALT:    GIKIW 3000, OHBEF 2500, JOTIM/2.20 NM TO RW36 1500\*

5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      314 HAT: 0.86      GS ANT:

6. MIN GP INCPT: 2500      GP ALT AT FAF : OHBEF 2500      OM:      MM:      IM:

7. GP ANGLE: 3.00      34:1: IS NOT CLEAR      20:1: IS CLEAR      TCH: 40.0

8. MSA FROM: RW36 3500

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: BARO-VNAV NA.  
\*LNAV ONLY  
CHART NOTE: USE VINTON ALTIMETER SETTING.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WELMA ON V6-8 EASTBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
WAAS CHANNEL #56426  
REFERENCE PATH ID: W36A  
CHART FAS OBST: 997 TREE 414958N/0921719W.  
HOLD N, RT, 177.11 INBOUND  
LTP HAE: 202.6 M

MINIMUMS:

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

ALTERNATE: NA ☒

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	1104	1	335	1104	1	335		NA			NA				
LNAV/VNAV DA	1083	1	314	1083	1	314		NA			NA				
LNAV MDA	1380	1	611	1380	1	611		NA			NA				
CIRCLING	1420	1	649	1520	1	749		NA			NA				



**CHANGES - REASONS**

- 1. LPV DA/HAT INCREASED FROM 1083/314 TO 1104/335. - NEW LPV MISSED PENETRATION.
- 2. CIRCLING CAT B MDA/HAA INCREASED FROM 1460/689 TO 1520/749. - NEW CIRCLING RADII APPLIED IAW 8260.3D.
- 3. TERMINAL ROUTES: FEEDER OPDUY TO WIJDY RNP UPDATED FROM 2.00 TO 1.00. - IAW 8260.58A.
- 4. TERMINAL ROUTES: FEEDER BEIGE TO GIKIW RNP UPDATED FROM 2.00 TO 1.00. - IAW 8260.58A.
- 5. TERMINAL ROUTES: FEEDER WELMA TO ZIBIK RNP UPDATED FROM 2.00 TO 1.00. - IAW 8260.58A.
- 6. TERMINAL ROUTES: INTERMEDIATE GIKIW TO OHBEF RNP UPDATED FROM 0.50 TO 1.00. - IAW 8260.19H PARA 4-6-10 F.
- 7. LINE 7: 20:1 IS CLEAR ADDED. - NO 20:1 PENETRATIONS PRESENT.
- 8. CHART NOTE: DME/DME RNP-0.3 NA REMOVED. PBN REQUIREMENTS NOTE: RNP APCH ADDED. - IAW 8260.19H.
- 9. CHART NOTE: CIRCLING TO RWY 18 NA AT NIGHT REMOVED. - NO 20:1 PENETRATIONS EXIST ON RWY 18.
- 10. CHART NOTE: USE VINTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE CEDAR RAPIDS ALTIMETER SETTING AND INCREASE ALL DA 9 FEET AND LNAV MDA 20 FEET, INCREASE LPV AND LNAV/VANV ALL CATS VISIIBILITY 1/8 MILE UPDATED TO "USE VINTON ALTIMETER SETTING." - BACKUP ALTIMETER MOVED TO 8260-9 PART C - REMARKS IAW 8260.19H 8-6-9 F(4/6).
- 11. ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON ADDED. - NEW CIRCLING RADII APPLIED IAW 8260.3D.
- 12. FAS DATA: FPAP LATITUDE AND LONGITUDE UPDATED FROM 415352.9400N/0921708.9700W TO 415352.9440N/0921708.9795W. - NEW FPAP LOCATION.
- 13. FAS DATA: CRC REMAINDER UPDATED FROM 455FEBF0 TO 256E1F09. - NEW FPAP LOCATION.

8/28/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 6/17/2019:  
1. UPDATED THRE 769 TO TDZE 769.

**COORDINATED WITH:**

**A4A** ☐    **ALPA** ☒    **AOPA** ☒    **APA** ☐    **HAI** ☐    **NBAA** ☒    **OTHER:** ZAU, CID APP CON, AMGR

<b>FLIGHT CHECKED BY</b> JEFFREY WAYNE HARING	<i>Digitally signed by</i> <b>DONALD H LANIER</b> Aug 29, 2019	<b>OFFICE</b> FIOG	<b>DATE</b> 07/11/2019	
<b>DEVELOPED BY</b> WARDELL HENNING (BARBARA GORMAN)	<i>Digitally signed by</i> <b>DONALD H LANIER</b> Aug 29, 2019	<b>OFFICE</b> AJV-A432	<b>DATE</b> 04/12/2019	
<b>APPROVED BY</b> LONNIE EVERHART	<i>Digitally signed by</i> <b>DONALD H LANIER</b> Aug 29, 2019	<b>OFFICE</b> AJV-A430	<b>DATE</b>	<b>TITLE</b> MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTZT
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	415223.9075N
LTP/FTP LONGITUDE	0921702.9835W
LTP/FTP ELLIPSOIDAL HEIGHT	+02026
FPAP LATITUDE	415352.9440N
FPAP LONGITUDE	0921708.9795W
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	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	256E1F09

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02343
FPAP ORTHOMETRIC HEIGHT	+02343



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

<u>AIRPORT</u> BELLE PLAINE MUNI	<u>AIRPORT ID</u> KTZT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> BELLE PLAINE	<u>STATE</u> IA	<u>AIRPORT ELEVATION</u> 771	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

<u>FROM</u> OPDUY	<u>TO</u> WIJDY
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<u>RNP</u>	<u>DISTANCE</u> 9.23	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TOWER (19-052524)	414820.56N/0922643.79W	1282	50	20	2C	1000				AT718	3000
2.TERRAIN	414900.00N/0922751.00W	1003 (1000)								AS1500	2500

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

FEEDER

<u>FROM</u> BEIGE	<u>TO</u> GIKIW
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<u>RNP</u>	<u>DISTANCE</u> 10.20	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (19-001298)	414257.00N/0921723.00W	1333	500	50	5D	1000				AT667	3000
4.TERRAIN	415115.00N/0921024.00W	971 (1000)								AS1500	2500

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



FEEDER

FROM  
WELMA

TO  
ZIBIK

RNP	DISTANCE 13.28	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.AAO	413933.00N/0920945.00W		1136	164	98	4E	1000				AT864	3000
6.TERRAIN	413915.00N/0920803.00W		931 (900)								AS1500	2400

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

INITIAL

FROM  
WIJDY

TO  
GIKIW

RNP	DISTANCE 6.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (19-001428)	414123.04N/0922131.63W		1440	500	50	5D	1000				AT560	3000
8.TERRAIN	414142.00N/0922342.00W		958 (1000)								AS1500	2500

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



INITIAL

FROM  
ZIBIK

TO  
GIKIW

RNP	DISTANCE 6.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.AAO	414212.00N/0921848.00W		1145	164	98	4E	1000				AT855	3000
10.TERRAIN	414036.00N/0921603.00W		941 (900)								AS1500	2400

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

INTERMEDIATE

FROM  
GIKIW (IF/IAF)

TO  
OHBEF

RNP	DISTANCE 5.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (19-001298)	414257.00N/0921723.00W		1333	500	50	5D	500					1900
11.TERRAIN	414554.00N/0921754.00W		954 (1000)								AS1500	2500

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



FINAL: LPV

FROM

OHBEF

TO

RW36

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	5.31		DA		335							
<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>
12.TREE (19-035106)	415159.06N/0921706.55W		854	20	3	1A		34:1			RA64 MA21	1104

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

OHBEF

TO

RW36

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	5.31		DA		314							
<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>
13.TREE (19-034957)	415219.53N/0921711.48W		859	20	3	1A	142				RA64 DG18	1083

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:





FINAL: LNAV

FROM

OHBEF

TO

JOTIM/2.20 NM TO RW36

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	3.11											
<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>
14.AAO	414858.54N/0921611.43W		1129	50	20	2C	250				RA73 DG48	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

JOTIM/2.20 NM TO RW36

TO

RW36

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	2.20		RW36	611								
<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>
15.TREE (19-034967)	414957.85N/0921719.44W		997	20	10	1B	250				RA64 XP60	1380

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP60 TO MAINTAIN CURRENT GPS MDA



HOLD-IN-LIEU OF PT

FROM  
GIKIW

TO  
P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<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>
16.WINDMILL (19-054742)	413320.14N/0921812.21W	1398	250	50	4D	1000					2400
17.TERRAIN	414321.00N/0921045.00W	958 (1000)								AS1500	2500

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

MISSED APPROACH : LPV

FROM  
DA

TO  
VOBRE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 844					
<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>
18.TREE (19-034826)	415158.11N/0921701.72W		852	20	3	1A		ASC				3000
19.TOWER (19-000195)	415911.60N/0921539.30W		1348	250	50	4D	1000					2400
20.TERRAIN	420248.00N/0921845.00W		990 (1000)								AS1500	2500

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



MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

VOBRE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 877					
<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				3000
19.TOWER (19-000195)	415911.60N/0921539.30W		1348	250	50	4D	1000					2400
20.TERRAIN	420248.00N/0921845.00W		990 (1000)								AS1500	2500

COMPUTATIONS

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

MISSED APPROACH : LNAV

FROM

RW36

TO

VOBRE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 1216					
<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				3000
19.TOWER (19-000195)	415911.60N/0921539.30W		1348	250	50	4D	1000					2400
20.TERRAIN	420248.00N/0921845.00W		990 (1000)								AS1500	2500

COMPUTATIONS

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



<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
21.TREE (19-034991)	415150.20N/0921831.07W	1.30	649	973	20	10	1B	300		RA64/XP83	1420
CATEGORY B											
22.TOWER (19-027086)	415323.34N/0921454.24W	1.83	749	1138	20	10	2C	300		RA64	1520

XP83 TO MAINTAIN CAT A CIRCLING MDA

**MSA**

CENTER

RW36

**RADIUS**

25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TWR (19-001314)	420525.00N/0920514.00W	034	15.7	2421	50	20	2C	1000			3500

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**

VEGETATION HEIGHT 100 FEET PER FPT.





<u>AIRPORT</u> BELLE PLAINE MUNI	<u>AIRPORT ID</u> KTZT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> BELLE PLAINE	<u>STATE</u> IA	<u>AIRPORT ELEVATION</u> 771	<u>FACILITY</u> RNAV
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"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LPV, LNAV/VNAV, AND LNAV		
34:1			
854 TREE (19-035106) 415159.06N/0921706.55W (17.6)		852 TREE (19-034826) 415158.11N/0921701.72W (12.23)	
842 TREE (19-035109) 415200.01N/0921655.06W (7.14)			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - ALTIMETER ADJUSTMENTS IN USE, AND VDP IS LESS THAN 0.5 NM AFTER STEPDOWN.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

NOTE: WHEN VINTON ALTIMETER SETTING NOT RECEIVED, USE CEDAR RAPIDS ALTIMETER SETTING AND INCREASE ALL DA 9 FEET AND ALL MDAS 20 FEET.

TAA NOT USED PER FPT

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

QUALITY  
18  
CHECKED

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<u>AIRPORT</u> BELLE PLAINE MUNI	<u>AIRPORT ID</u> KTZT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> BELLE PLAINE	<u>STATE</u> IA	<u>AIRPORT ELEVATION</u> 771	<u>FACILITY</u> RNAV
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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	3.31
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	357.12
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	942
DISTANCE FROM	THLD	TO 1500FT POINT	5.11
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	357.12
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	942

THRESHOLD  
COORDINATES  
(IF STR-IN)

415223.91N/0921702.98W

ARP COORDINATES

415243.60N/0921704.30W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 18 DISTANCE 0.33 NM

FAF  
COORDINATES

414705.54N/0921641.58W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

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<u>AIRPORT</u> BELLE PLAINE MUNI	<u>AIRPORT ID</u> KTZT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> BELLE PLAINE	<u>STATE</u> IA	<u>AIRPORT ELEVATION</u> 771	<u>FACILITY</u> RNAV
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PART E: PREPARED BY

<u>NAME</u> WARDELL HENNING (BARBARA GORMAN)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 04/12/2019	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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