

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
K61	RNAV (GPS) RWY 17	2	BELOIT	KS	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1418	1418	RNAV (GPS) RWY 17	10/11/2018	5E	2010
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
RNAV			ROUTINE		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 084/30 CW 264/30	NOPT	CADAD	IF/IAF	4000
2. 264/30 CW 354/30		DENTE	IAF	4000
3. 354/30 CW 084/30		HILVA	IAF	4000

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>
DENTE	IAF	CADAD	NOPT	TF	FB	1.00	264.02	6.00	4000
HILVA	IAF	CADAD	NOPT	TF	FB	1.00	083.86	6.00	4000
CADAD	IF/IAF	BIILL		TF	FB	1.00	173.94	7.25	3100
BIILL	FAF	DAVKE/1.84 NM TO RW17		TF	FB	0.30	173.93	2.02	
DAVKE/1.84 NM TO RW17		RW17	MAP	TF	FO	0.30	173.93	1.84	
RW17	MAP	1679 MSL		CA			173.93		
1679 MSL		ADICA		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT ADICA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
39
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD N CADAD, RT, 173.94 INBOUND, 4000 IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	173.93	FAF:	BIILL	DIST FAF TO MAP:	3.86	DIST FAF TO THLD:	3.86							
4.	MIN ALT:	CADAD 4000, BIILL 3100, DAVKE/1.84 NM TO RW17 2240													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		261 HAT:	0.52	GS ANT:				
6.	MIN GP INCPT:	3100	GP ALT AT PFAF:	BIILL 3100					OM:		MM:			IM:	
7.	GP ANGLE:	4.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	40.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CNK ALTIMETER SETTING.
CHART NOTE: CIRCLING NA TO RWYS 4 AND 22.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CNK ALTIMETER SETTING AND INCREASE LPV DA TO 1737 FEET. INCREASE LNAV/VNAV DA TO 1898 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET.
CHART: ADA EAST MOA, ADA WEST MOA, AND LINCOLN MOA.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 353.94 INBOUND.
CHART FAS OBST: 1590 TREE 393012N/0980654W.
CHART VDP AT 0.90 NM TO RW17.
WAAS CHANNEL # 42847
REFERENCE PATH ID: W17A
LTP HAE: 405.7 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	1679	1	261	1679	1	261		NA			NA				
LNAV/VNAV DA	1840	1 1/4	422	1840	1 1/4	422		NA			NA				
LNAV MDA	1840	1	422	1840	1	422		NA			NA				
CIRCLING	1900	1	482	2260	1 1/4	842		NA			NA				



CHANGES - REASONS

1. TERMINAL ROUTES: UPDATED FROM CADAD TO YULUD TO CADAD TO BIILL – NEW FAF NAME AND LOCATION.
2. TERMINAL ROUTES: UPDATED FROM YULUD TO DAVKE/2.51 NM TO RW17 TO BIILL TO DAVKE/1.84 NM TO RW17, COURSE FROM “173.94” TO “173.94” AND DISTANCE FROM “2.64” TO “2.02” – NEW FAF NAME AND LOCATION.
3. TERMINAL ROUTES: UPDATED DAVKE/1.84 NM TO RW17 TO MAP LEG COURSE FROM “173.94” TO “173.93” AND DISTANCE FROM “2.51” TO “1.84” – NEW FAF LOCATION.
4. TERMINAL ROUTES: UPDATED CA LEG ALTITUDE FROM “1816 MSL” TO “1679 MSL” AND COURSE FROM “173.94” TO “173.93” – IAW 8260.58C 3-5-2.
5. MISSED APPROACH: MAP: ADDED “LPV: DA” AND “LNAV/VNAV: DA” – ADDED LPV AND LNAV/VNAV MINS PER ATC REQUEST.
6. PROFILE LINE 3: UPDATED FAC FROM “173.94” TO “173.93”, FAF FROM “YULUD” TO “BIILL” AND DIST FAF TO MAP AND DIST FAF TO THLD FROM “5.16” TO “3.86” – NEW FAF NAME AND LOCATION.
7. PROFILE LINE 4: UPDATED MIN ALT FROM “CADAD 4000, YULUD 3100, DAVKE/2.51 NM TO RW17 2240” TO “CADAD 4000, BIILL 3100, DAVKE/1.84 NM TO RW17 2240” – NEW FAF NAME AND LOCATION.
8. PROFILE LINE 5: ADDED 261 HAT: 0.52 – IAW 8260.19J 8-6-7, LPV AND LNAV/VNAV MINS.
9. PROFILE LINE 6: ADDED MIN GP INCPT: 3100, GP ALT AT PFAF: BIILL 3100 - IAW 8260.19J 8-6-7, LPV AND LNAV/VNAV MINS.
10. PROFILE LINE 7: ADDED GP ANGLE: 4.00 AND TCH: 40.0 - IAW 8260.19J 8-6-7, LPV AND LNAV/VNAV MINS.
11. PBN REQUIREMENT NOTES: UPDATED FROM “RNP APCH” TO “RNP APCH - GPS” – IAW 8260.19J 8-6-8.
12. NOTES: UPDATED CHART NOTE FROM “VDP NA WHEN USING CONCORDIA ALTIMETER SETTING” TO “BARO-VNAV AND VDP NA WHEN USING CNK ALTIMETER SETTING” – IAW 8260.19J 8-6-10, LNAV/VNAV MINS ADDED.
13. NOTES: REMOVED “CHART NOTE: CIRCLING RWY 17 NA AT NIGHT” – NO LONGER REQUIRED.
14. NOTES: UPDATED CHART NOTE FROM “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CONCORDIA ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CNK ALTIMETER SETTING AND INCREASE LPV DA TO 1737 FEET. INCREASE LNAV/VNAV DA TO 1898 FEET AND INCREASE ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET” – ADDED LPV AND LNAV/VNAV MINS, UPDATED LNAV MINS.
15. NOTES: UPDATED CHART NOTE FROM “CIRCLING RWYS 4, 8, 22, AND 26 NA” TO “CIRCLING NA TO RWYS 4 AND 22” – IAW 8260.19J 8-6-10, RWYS 8 AND 26 PERMANENTLY CLOSED.
16. NOTES: ADDED “CHART: ADA EAST MOA, ADA WEST MOA, AND LINCOLN MOA” – PER ATC REQUEST.
17. NOTES: ADDED “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C” - IAW 8260.19J 8-6-10.
18. ADDITIONAL FLIGHT DATA: REMOVED NOTE “YULUD TO RW17: 4.00/40” – NO LONGER REQUIRED.
19. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM “CHART VDP AT 1.13 NM TO RW17*” TO “CHART VDP AT 0.90 NM TO RW17” AND REMOVED “*LNAV ONLY” – NEW FAF LOCATION, REMOVED ASTERISK – NO LONGER REQUIRED.
20. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM “1570 TREE 393057N/0980654W” TO “1590 TREE 393012N/0980654W” – NEW SURVEY, NEW OBSTACLE IDENTIFIED.
21. ADDITIONAL FLIGHT DATA: REMOVED “CHART CIRLCING ICON” - NO LONGER REQUIRED, IAW MEMO SUBJECT: REMOVAL OF CIRCLING ICONS DTD 5/15/2025.
22. ADDITIONAL FLIGHT DATA: ADDED “WAAS CHANNEL # 42847,” “REFERENCE PATH ID: W17A” AND “LTP HAE: 405.7 M” – IAW 8260.19J 8-6-11.
23. MINIMUMS: ADDED LPV AND LNAV/VNAV MINS – PER ATC REQUEST.
24. MINIMUMS: UPDATED LNAV MDA CAT A AND B FROM “1820/402” TO “1840/422” – NEW CONTROLLING OBSTACLE IDENTIFIED.
25. MINIMUMS: UPDATED CIRCLING CAT A FROM “1880/462” TO “1900/482” – NEW CONTROLLING OBSTACLE IDENTIFIED.
26. ADDED FAS DATA.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZKC, KS STATE AERO, AIRPORT MANAGER

FLIGHT CHECKED BY

JEFFREY A FINDLEY

Digitally signed by

DAVID DANNER

Jul 03, 2025

OFFICE

AJF

DATE

07/01/2025

DEVELOPED BY

JUDITH TUTTLE

Digitally signed by

DAVID DANNER

Jul 03, 2025

OFFICE

AJV-A431

DATE

05/09/2025

APPROVED BY

CASEY HILL

Digitally signed by

DAVID DANNER

Jul 03, 2025

OFFICE

AJV-A431

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	K61
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	392844.1760N
LTP/FTP LONGITUDE	0980737.4755W
LTP/FTP ELLIPSOIDAL HEIGHT	+04057
FPAP LATITUDE	392715.0150N
FPAP LONGITUDE	0980735.3305W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	04.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	EA6296C2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04323
FPAP ORTHOMETRIC HEIGHT	+04323



**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>
K61	RNAV (GPS) RWY 17	2	BELOIT	KS	1418	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 084/30 CW 264/30 **TO** CADAD

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<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>
TOWER (31-000195)	400513.00N/0975514.00W	2837	250	50	4D	1000				AT163	4000
TERRAIN	395703.00N/0983948.00W	2037 (2000)								AS1500	3500

COMPUTATIONS

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

SEGMENT REMARKS:

LEFT BASE AREA

FROM 264/30 CW 354/30 **TO** DENTE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<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>
WINDMILL (20-076566)	394418.46N/0972242.09W	2189	250	50	4D	1000				AT811	4000
TERRAIN	392430.00N/0973100.00W	1699 (1700)								AS1500	3200

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
39
CHECKED

RIGHT BASE AREA

FROM

354/30 CW 084/30

TO

HILVA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<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>
TOWER (20-001572)	391913.00N/0982354.00W	2687	50	20	2C	1000				AT313	4000
TERRAIN	391430.00N/0983636.00W	1988 (2000)								AS1500	3500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

DENTE

TO

CADAD

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
1.00	6.00										
<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>
TOWER (20-022056)	394003.88N/0980931.49W	1848	500	50	5D	1000				AT1152	4000
TERRAIN	394121.00N/0980736.00W	1591 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

HILVA

TO

CADAD

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	6.00				

<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	394142.00N/0981545.00W	2018	215	8	4B	1000				AT982	4000
TERRAIN	394142.00N/0981542.00W	1807 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

CADAD (IF/IAF)

TO

BIILL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	7.25				

<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>
TOWER (20-022056)	394003.88N/0980931.49W	1848	500	50	5D	500				DG752	3100
TERRAIN	393539.00N/0981024.00W	1633 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

BIILL

TO

RW17

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.86		DA				261				
<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 (20-043020)	392854.62N/0980742.38W	1473	20	3	1A		25.50:1			DG206	1679

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

BIILL

TO

RW17

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.86		DA				422				
<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	392939.00N/0980703.00W	1570	215	8	4B		17.50:1			AC8	1840

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

BIILL

TO

DAVKE/1.84 NM TO RW17

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	2.02										
<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>
ANTENNA (20-058256)	393127.00N/0980738.17W	1614	20	3	1A	250				RA60 DG316	2240

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

DAVKE/1.84 NM TO RW17

TO

RW17

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	1.84		RW17	422	

<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	393012.00N/0980654.00W	1590	215	8	4B	250					1840

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

CADAD

TO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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>
TOWER (20-002266)	394712.00N/0980710.00W	2306	500	125	5E	1000				AT694	4000
TERRAIN	394845.00N/0981109.00W	1876 (1900)								AS1500	3400

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

ADICA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30								1461			
<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				4000
TOWER (20-001691)	392056.00N/0980728.00W	1916	500	50	5D	1000					3000
TERRAIN	392042.00N/0980651.00W	1538 (1500)								AS1500	3000

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

ADICA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30								1526			
<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				4000
TOWER (20-001691)	392056.00N/0980728.00W	1916	500	50	5D	1000					3000
TERRAIN	392042.00N/0980651.00W	1538 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW17

TO

ADICA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1720
<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				4000
TOWER (20-001691)	392056.00N/0980728.00W	1916	500	50	5D	1000					3000
TERRAIN	392042.00N/0980651.00W	1538 (1500)								AS1500	3000

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

<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											
WATER_TOWER (20-057904)	392753.84N/0980625.30W	1.31	482	1586	20	10	1B	300			1900
CATEGORY B											
TOWER (20-001299)	392809.00N/0980538.00W	1.86	842	1941	100	20	3C	300			2260

CIRCLING REMARKS:

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ICT FSS, ZKC ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3PT	K61	24	K61	0.10	N	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	CNK	24	CNK	22.60	Y	58

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
K61 1418, CNK 1458
RA = 57.7.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW04			
RW22			
RW17 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	
RW35 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
4.00	1418.3	40.0			4.00	40.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	181
ON CENTERLINE	X	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-17C	+54C	-17C	+12.19C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 964 HIGH TEMP 1145.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV, LVAV/VNAV		
34:1			
1470 POLE (20-043139) 392858.3400N/0980741.5200W (15.27)		1469 TREE (20-057918) 392858.3900N/0980741.0800W (14.14)	
1461 TREE (20-072150) 392857.3000N/0980741.6200W (9.36)		1461 TREE (20-043089) 392857.3000N/0980741.6200W (9.36)	

QUALITY
39
CHECKED

<u>AIRPORT ID</u> K61	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>AMDT NO.</u> 2	<u>CITY</u> BELOIT	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 1418	<u>FACILITY</u> RNAV
1460 TREE (20-043059) 392857.0700N/0980741.0500W (9.07)	1460 TREE (20-072146) 392857.0700N/0980741.0500W (9.07)					
1460 TREE (20-072144) 392857.0800N/0980741.0300W (9.04)	1445 TRAVERSE_WAY (20-058274) 392852.4000N/0980736.0000W (8.18)					
1445 TRAVERSE_WAY (20-058003) 392852.4300N/0980733.9700W (8.18)	1445 TRAVERSE_WAY (20-048533) 392852.3900N/0980737.9800W (8.13)					
1445 TRAVERSE_WAY (20-057956) 392852.3700N/0980739.6700W (8.11)	1445 TRAVERSE_WAY (20-058268) 392852.4500N/0980734.7300W (8.09)					
1445 TRAVERSE_WAY (20-057900) 392852.4400N/0980735.5100W (8.08)	1445 TRAVERSE_WAY (20-058043) 392852.3600N/0980741.2300W (8.08)					
1445 TRAVERSE_WAY (20-057933) 392852.4400N/0980736.2800W (8.05)	1445 TRAVERSE_WAY (20-057989) 392852.4300N/0980737.0600W (8.05)					
1445 TRAVERSE_WAY (20-057998) 392852.4100N/0980738.5900W (8.04)	1445 TRAVERSE_WAY (20-058057) 392852.4100N/0980739.3700W (8.01)					
1445 TRAVERSE_WAY (20-058085) 392852.4000N/0980740.1400W (8)	1461 TREE (20-072148) 392858.6800N/0980740.3600W (5.31)					
1461 BUILDING (20-043143) 392858.6600N/0980741.9100W (5.3)	1457 TRAVERSE_WAY (20-057981) 392857.8300N/0980741.0600W (3.81)					
1454 TREE (20-057972) 392857.0900N/0980739.7800W (3.06)	1454 TREE (20-072154) 392857.0900N/0980739.7800W (3.06)					
1455 TREE (20-072151) 392857.4800N/0980741.2700W (2.84)	1456 TRAVERSE_WAY (20-058219) 392857.8200N/0980741.3500W (2.82)					
1454 TREE (20-072153) 392857.1500N/0980742.2900W (2.78)	1454 TREE (20-043087) 392857.1500N/0980742.2900W (2.78)					
1458 TREE (20-072157) 392858.6600N/0980740.6700W (2.35)	1454 TREE (20-057935) 392857.4800N/0980741.2700W (1.84)					
1455 BUILDING (20-043090) 392857.8700N/0980739.9100W (1.74)	1456 BUILDING (20-043137) 392858.2700N/0980742.0600W (1.45)					
1457 TREE (20-072147) 392858.6600N/0980740.5100W (1.36)	1457 TREE (20-057920) 392858.6700N/0980740.3400W (1.34)					
1457 TREE (20-043144) 392858.7900N/0980739.6000W (1.01)	1454 BUILDING (20-058145) 392857.8500N/0980740.5300W (0.77)					
1456 BUILDING (20-054427) 392858.6900N/0980741.6600W (0.22)						
<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.
100 FT VEGETATION HEIGHT USED PER FPT.
ORDER 8260.3 CHAPTER 2 APPLIED TO 1752 AAO 393248.00N/0980621.00W.
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	2.45
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	178.93
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1500
DISTANCE FROM	THLD	TO 1500FT POINT	3.66
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	178.93
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1500

THRESHOLD COORDINATES (IF STR-IN)	392844.18N/0980737.48W
ARP COORDINATES	392820.50N/0980742.02W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 17 DISTANCE 0.43 NM
FAF COORDINATES	393236.14N/0980743.07W
FIX NAME COORDINATES	

REMARKS

TAA: DENTE (IAF) 363657.85N/0980007.33W; HILVA (IAF) 393944.53N/0981539.53W; CADAD (IF/IAF) 393951.45N/0980753.44W. RADIUS: 30 NM.
NO ADDITIONAL AIRSPACE REQUIRED.
THLD DISPLACED 181FT, ACTUAL COORDINATES: 392845.97N/0980737.52W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JUDITH TUTTLE	AJV-A431	05/09/2025	AERONAUTICAL INFORMATION SPECIALIST

