

**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> CWI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> CLINTON	<u>STATE</u> IA
<u>AIRPORT ELEVATION</u> 708	<u>TDZE</u> 708	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>DATED</u> 08/13/2020	<u>MAG VAR</u> 0E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2000
				<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>
LOTTE		CUDMA		TF	FO	1.00	075.76	16.55	2500
PACAF	IAF	CUDMA	NOPT	TF	FB	1.00	284.22	11.85	2500
WACKS	IAF	CUDMA	NOPT	TF	FB	1.00	216.42	11.63	2500
CUDMA	IF/IAF	XOLDY		TF	FB	1.00	209.74	6.14	2400
XOLDY	FAF	OYUYA/2.00 NM TO RW21		TF	FB	0.30	209.70	3.19	
OYUYA/2.00 NM TO RW21		RW21	MAP	TF	FO	0.30	209.70	2.00	
RW21	MAP	958 MSL		CA			209.70		
958 MSL		WIKES		DF	FB	1.00			
WIKES		CVA VORTAC		TF	FO	1.00	233.65	5.84	3100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 DIRECT WIKES AND ON TRACK 233.65 TO CVA VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|---|----------------------------|----------------|-----------------------|------------------------|-----------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD NE CUDMA, RT, 209.74 INBOUND, 2500 IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 209.70 | FAF: XOLDY | | DIST FAF TO MAP: 5.19 | DIST FAF TO THLD: 5.19 | |
| 4. MIN ALT: CUDMA 2500, XOLDY 2400, OYUYA/2.00 NM TO RW21 1380 | | | | | |
| 5. DIST TO THLD FROM OM: MM: IM: | | | 150 HAT: | 250 HAT: 0.66 | GS ANT: MM: IM: |
| 6. MIN GP INCPT: 2400 | GP ALT AT PFAF: XOLDY 2400 | | | OM: | |
| 7. GP ANGLE: 3.00 | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: 40.0 | | |
| 8. MSA FROM: RW21 3100 | | | | | |

QUALITY
6
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 053.58 INBOUND.
CHART FAS OBST: 843 TREE 415233N/0901836W.
CHART VDP AT 1.12 NM TO RW21.
WAAS CHANNEL # 86829
REFERENCE PATH ID: W21A
LTP HAE: 182.7 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	958	3/4	250	958	3/4	250	958	3/4	250		NA				
LNAV/VNAV DA	1086	1	378	1086	1	378	1086	1	378		NA				
LNAV MDA	1100	1	392	1100	1	392	1100	1 1/8	392		NA				
CIRCLING	1140	1	432	1240	1	532	1240	1 1/2	532		NA				

CHANGES - REASONS

REDUCED LPV VIS FROM 1 SM TO 3/4 SM - NO MORE 20:1 PENETRATIONS.
REMOVED "DME/DME RNP-0.3 NA" - PER 8260.19J.
CHANGED "VGSI AND RNAV GLIDEPATH NOT COINCIDENT" TO "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})." - 8260.19J PARA 8-6-10M(1).
ADDED "CHART VDP AT 1.12 NM TO RW21." - 8260.19J PARA 8-6-11M(2).
ADDED 20:1 IS CLEAR - 8260.19J PARA 8-6-7G(3)(A).
REMOVED "LNAV ONLY" - 8260.19J.
CHANGED "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C." - 8260.19J PARA 8-6-10R.
CHANGED MISSED APPROACH VERBIAGE "CLIMB TO 3000 DIRECT WIKES AND ON TRACK 233.65 TO CVA VORTAC AND HOLD." TO "CLIMB TO 3100 DIRECT WIKES AND ON TRACK 233.65 TO CVA VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100." - CIH ADDED.
ADDED RNP APCH - GPS - 8260.19J PARA 8-6-8D(5)(A)1.
CHANGED FAS OBSTACLE FROM 844 TREE 415216N/0901849W TO 843 TREE 415233N/0901836W - UPDATED OBSTACLE.
CHANGED FPAP COORDINATES FROM 414902.0300N/0902023.8700W TO 415019.4855N/0902023.8675W - NEW FPAP CALCULATION.
CHANGED CRC REMAINDER FROM 5E8B0586 TO D79E1B46 - NEW FAS DATA CALCULATIONS.
INCORPORATED CHANGES FROM AMDTS 1A AND 1B.
REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WACKS ON V158 SOUTHEAST BOUND." - AIRWAY REMOVED FROM FIX MAKEUP.
REMOVED CHART CIRCLING ICON NOTE - 8260.19J.



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZAU, QUAD CITY APP CON, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

ALLAN WILL (TIMOTHY DUNN)

OFFICE

AJV-A33

DATE

05/12/2025

APPROVED BY

KYLE THOMPSON

OFFICE

AJV-A33

DATE

10/02/2025

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KCWI
RW21
0
0
W21A
415019.4855N
0901924.8955W
+01827
414902.0230N
0902023.8675W
00040.0
F
03.00
106.75
1168
40.0
50.0

CRC REMAINDER

D79E1B46

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K3
+02156
+02156



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>
CWI	RNAV (GPS) RWY 21	1C	CLINTON	IA	708	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM LOTTE TO CUDMA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	16.55				

<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	415442.00N/0903115.00W	1122	164	98	4E	1000				AT378	2500
TERRAIN	415442.00N/0903115.00W	922 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM PACAF TO CUDMA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	11.85				

<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 (19-000244)	420043.74N/0901331.19W	1106	250	50	4D	1000				AT394	2500
TERRAIN	415900.00N/0895736.00W	896 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM

WACKS

TO

CUDMA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	11.63				

<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 (19-000244)	420043.74N/0901331.19W	1106	250	50	4D	1000				AT394	2500
TERRAIN	420024.00N/0901130.00W	896 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

CUDMA (IF/IAF)

TO

XOLDY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	6.14				

<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	415545.00N/0901703.00W	1119	164	98	4E	500				AC98	1800
TERRAIN	415545.00N/0901703.00W	919 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

XOLDY

TO

RW21

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.19		DA				250				
<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>
NAVAID (19-024305)	415024.11N/0901925.39W	720	20	3	1A		34:1				958

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

XOLDY

TO

RW21

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.19		DA				378				
<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	415130.00N/0901927.00W	804	215	8	4B		23.4:1			AC8	1086

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

XOLDY

TO

OYUYA/2.00 NM TO RW21

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.19										
<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	415421.00N/0901645.00W	1027	215	8	4B	250				DG56 RA47	1380

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

OYUYA/2.00 NM TO RW21

TO

RW21

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	2.00		RW21	392	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	415233.00N/0901836.00W	843	215	8	4B	250					1100

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

CUDMA

TO

P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-5			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-000688)	420747.00N/0900824.00W	1249	250	50	4D	1000				AT251	2500
TERRAIN	420927.00N/0900924.00W	926 (900)								AS1500	2400

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

CVA VORTAC

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 771				
<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				3100
AAO	414227.00N/0902603.00W	981	215	8	4B	1000					2000
TERRAIN	414227.00N/0902603.00W	780 (800)								AS1500	2300

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

CVA VORTAC

<div>RNP</div> <div>0.30-1.00</div>	DISTANCE	PAT	MAP			HAT			HMAS		
											936
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3100
AAO	414227.00N/0902603.00W	981	215	8	4B	1000					2000
TERRAIN	414227.00N/0902603.00W	780 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LNAV

FROM

RW21

TO

CVA VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1000
<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				3100
AAO	414227.00N/0902603.00W	981	215	8	4B	1000					2000
TERRAIN	414227.00N/0902603.00W	780 (800)								AS1500	2300

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	414924.00N/0901800.00W	1.30	432	830	215	8	4B	300			1140
CATEGORY B											
STACK (19-000761)	414829.00N/0901737.00W	1.83	532	911	50	3	2A	300		XP29	1240
CATEGORY C											
STACK (19-000761)	414829.00N/0901737.00W	2.88	532	911	50	3	2A	300		XP29	1240

CIRCLING REMARKS:

KEEP WITH CURRENT PLATE VALUE.

MSA

CENTER

RW21

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (19-000716)	413248.70N/0902837.70W	202	18.8	2049	50	3	2A	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

TAA NOT DEVELOPED PER CENTRAL FPT.

CAT D MINS NA PER CENTRAL FPT.

ALL INTERMEDIATE SEGMENTS HAVE THE SAME CONTROLLING OBSTACLE.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

QUAD CITY APP CON, ZAU ARTCC

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> CWI	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> CWI	<u>DISTANCE</u>	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> DVN	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> DVN	<u>DISTANCE</u> 17.62	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 47

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME

KCWI 708

KDVN 751

RA = 46.6

<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>	
RW14 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G		
RW32 - MIRL (PCL), PAPI-4L (PCL)	NPI-G		
RW03 - MALSR (PCL), HIRL (PCL)	PIR-G		
RW21 - HIRL (PCL), REIL (PCL), VASI-4L (PCL)	PIR-G		

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 707.5	<u>TCH</u> 40.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 34.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -16C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -16C	<u>APT ISA</u> +13.6C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.

CRITICAL LOW TEMPERATURE BASED ON ACT.

DESCENT RATE (FPM): STANDARD TEMP 826 HIGH TEMP 1174.

"VISUAL PORTION OF FINAL" PENETRATIONS

<u>AIRPORT ID</u> CWI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>AMDT NO.</u> 1C	<u>CITY</u> CLINTON	<u>STATE</u> IA	<u>AIRPORT ELEVATION</u> 708	<u>FACILITY</u> RNAV
FINAL TYPE	LPV, LNAV/VNAV, AND LNAV					
34:1						
713 NAVAID (19-024304) 415022.5200N/0901922.5800W (0.99)						
<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.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1073 AAO 415527N/0901712W.

VEGETATION HEIGHT WITHIN 5 NM: 75 FT PER CENTRAL FPT.

VDP NA WHEN USING DVN ALTIMETER SETTING.

BARO-VNAV NA WHEN USING DVN ALTIMETER SETTING.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DVN ALTIMETER SETTING: INCREASE LPV DA TO 1005 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1133 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C 1/4 SM.

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	3.62
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	209.70
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	5.19
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	209.70
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)	415019.49N/0901924.90W
ARP COORDINATES	414950.70N/0901944.30W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 21 DISTANCE 0.54 NM
FAF COORDINATES	415450.11N/0901558.54W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ALLAN WILL (TIMOTHY DUNN)	AJV-A33	05/12/2025	AERONAUTICAL INFORMATION SPECIALIST