

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>		
SHL	RNAV (GPS) RWY 33	1G	SHELDON	IA		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1419	1419	RNAV (GPS) RWY 33	1F	12/28/2023	5E	1995
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV			ROUTINE			

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>
NEWRN		TUDUC		TF	FO	1.00	159.48	13.42	4000
COPYE		WOREB		TF	FB	1.00	089.50	5.82	4000
WOREB	IAF	TUDUC	NOPT	TF	FB	1.00	045.44	6.00	4000
RITTA	IAF	TUDUC	NOPT	TF	FB	1.00	269.45	16.42	4000
TUDUC	IF/IAF	ZOLUS		TF	FB	1.00	330.51	6.00	3000
ZOLUS	FAF	YEPUL/1.80 NM TO RW33		TF	FB	0.30	330.47	3.05	
YEPUL/1.80 NM TO RW33		RW33	MAP	TF	FO	0.30	330.47	1.80	
RW33	MAP	1696 MSL		CA			330.47		
1696 MSL		RINOC		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT RINOC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD SE TUDUC, RT, 330.51 INBOUND, 4000 IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 330.47 **FAF:** ZOLUS **DIST FAF TO MAP:** 4.85 **DIST FAF TO THLD:** 4.85
4. **MIN ALT:** TUDUC 4000, ZOLUS 3000, YEPUL/1.80 NM TO RW33 2020
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **277 HAT:** 0.75 **GS ANT:**
6. **MIN GP INCPT:** 3000 **GP ALT AT PFAF:** ZOLUS 3000 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 44.0
8. **MSA FROM:** RW33 3300

QUALITY
13
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 33 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 -17°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 150.37 INBOUND.
CHART FAS OBST: 1600 TANK (19-069020) 431019N/0954915W.
CHART VDP AT 1.27 NM TO RW33.
WAAS CHANNEL # 82128
REFERENCE PATH ID: W33A
LTP HAE: 403.6 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	1718	1	299	1718	1	299	1718	1	299		NA				
LNAV/VNAV DA	1696	1	277	1696	1	277	1696	1	277		NA				
LNAV MDA	1860	1	441	1860	1	441	1860	1 3/8	441		NA				
CIRCLING	1860	1	441	1920	1	501	2080	1 3/4	661		NA				

CHANGES - REASONS

- INCORPORATED CHANGES 1A THROUGH 1F.
- CHANGED MSA FROM 3400 TO 3300. - NEW TARGETS EVALUATION.
- FAS OBSTACLE CHANGED FROM A 1539 MSL TREE TO A 1600 MSL TANK. - NEW TARGETS EVALUATION.
- VDP CHANGED FROM 1.09 TO 1.27. - NEW TARGETS EVALUATION.
- LNAV MDA/HAT CHANGED FROM 1800/381 TO 1860/441 AND CAT C VISIBILITY FROM 1 1/8 TO 1 3/8. - NEW CONTROLLING OBSTACLE.
- CMDA/HAA CAT A CHANGED FROM 1820/401 TO 1860/441. - NEW CONTROLLING OBSTACLE.
- CRC REMAINDER CHANGED FROM 9AAA0514 TO 9512AC31 AND FPAP COORDINATES CHANGED FROM 431332.3800N/0955039.2100W TO 431332.3840N/0955039.2075W. - NEW TARGETS CALCULATIONS.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

FLIGHT CHECKED BY

SCOTT WIEBE

Digitally signed by

RAKE MCGRAW

Aug 13, 2026

OFFICE

AJF

DATE

08/11/2026

DEVELOPED BY

LIAM DONAHUE

Digitally signed by

RAKE MCGRAW

Aug 13, 2026

OFFICE

AJV-A33

DATE

05/08/2026

APPROVED BY

KYLE THOMPSON

Digitally signed by

RAKE MCGRAW

Aug 13, 2026

OFFICE

AJV-A4

DATE

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
KSHL
RW33
0
0
W33A
431211.3350N
0954948.5445W
+04036
431332.3840N
0955039.2075W
00044.0
F
03.00
106.75
1472
40.0
50.0

CRC REMAINDER

9512AC31

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K3
+04306
+04306



**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>
SHL	RNAV (GPS) RWY 33	1G	SHELDON	IA	1419	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM NEWRN **TO** TUDUC

RNP 1.00 **DISTANCE** 13.42 **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>
WINDMILL (19-027596)	430207.69N/0954047.19W	1873	500	50	5D	1000				AT1127	4000
TERRAIN	431545.00N/0954600.00W	1512 (1500)								AS1500	3000

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM COPYE **TO** WOREB

RNP 1.00 **DISTANCE** 5.82 **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	425918.00N/0955118.00W	1670	215	8	4B	1000				AT1330	4000
TERRAIN	425921.00N/0955121.00W	1469 (1500)								AS1500	3000

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
13
CHECKED

INITIAL

FROM

WOREB

TO

TUDUC

<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>
WINDMILL (19-027612)	430118.39N/0954201.73W	1853	500	50	5D	1000				AT1147	4000
TERRAIN	425921.00N/0955021.00W	1463 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

RITTA

TO

TUDUC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
1.00	16.42										
<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 (19-027655)	430258.28N/0953419.63W	2028	250	50	4D	1000				AT972	4000
TERRAIN	430303.00N/0953248.00W	1561 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

TUDUC (IF/IAF)

TO

ZOLUS

<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>
WINDMILL (19-027612)	430118.39N/0954201.73W	1853	500	50	5D	500				AT647	3000
TERRAIN	430757.00N/0954621.00W	1486 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

ZOLUS

TO

RW33

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.85		DA				299				
<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 (19-032209)	431146.06N/0954927.43W	1497	50	20	2C		34:1			AC20 MA49	1718

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

ZOLUS

TO

RW33

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	4.85		DA		277						
<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 (19-029122)	431126.68N/0954919.41W	1520	50	20	2C	150				XP6 AC20	1696

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:
XP TO MAINTAIN MINIMUMS.

FINAL: LNAV

FROM

ZOLUS

TO

YEPUL/1.80 NM TO RW33

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.05										
<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	430824.00N/0954648.00W	1687	215	8	4B	250				DG83	2020

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

YEPUL/1.80 NM TO RW33

TO

RW33

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.80		RW33		441						
<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>
TANK (19-069020)	431019.31N/0954915.33W	1600	20	3	1A	250					1860

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

TUDUC

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
		P-5									
<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 (19-027573)	430418.03N/0953822.63W	1956	500	50	5D	1000				AT1044	4000
TERRAIN	430503.00N/0953742.00W	1532 (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: LPV

FROM

DA

TO

RINOC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30											1507
<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 (19-032209)	431146.06N/0954927.43W	1497	50	20	2C		ASC			AC20	4000
AAO	432227.00N/0955315.00W	1706	215	8	4B	1000					1800
TERRAIN	432227.00N/0955315.00W	1505 (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

RINOC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30											1546
<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
AAO	432227.00N/0955315.00W	1706	215	8	4B	1000					1800
TERRAIN	432227.00N/0955315.00W	1505 (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

RW33

TO

RINOC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30-1.00											1760
<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
AAO	432227.00N/0955315.00W	1706	215	8	4B	1000					1800
TERRAIN	432227.00N/0955315.00W	1505 (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

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	431127.00N/0954821.00W	1.31	441	1554	215	8	4B	300			1860
CATEGORY B											
TOWER (19-041130)	431433.58N/0954925.37W	1.86	501	1608	20	10	1B	300			1920
CATEGORY C											
TOWER (19-000724)	431053.00N/0955157.30W	2.92	661	1730	250	50	4D	300		AC50	2080

CIRCLING REMARKS:

MSA

CENTER

RW33

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (27-000001)	433748.00N/0954042.00W	009	26.5	2296	500	50	5D	1000			3300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

50 FT VEGETATION USED PER FPT.

TAA NOT DEVELOPED PER FPT.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZMP ARTCC, FOD FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	SHL	24	SHL		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3P	SXK	24	SXK	19.60	Y	47

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
SKHL 1419, KSXK 1409
RA = 46.5.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW15 - REIL (PCL), MIRL (PCL), PAPI-2L (PCL)		NPI-F	
RW33 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)		NPI-F	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1412.6	44.0			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
-17C	+54C	-17C	-30C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 834 HIGH TEMP 1130.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	RWY 33
34:1	
1497 TREE (19-032209) 431146.0600N/0954927.4300W (2.71)	

PENETRATIONS REMARKS:



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PROCEDURE HAS MULTIPLE VGS PENETRATIONS - LIGHT POLES. OBSTACLES ARE FIXED-BY-FUNCTION.

CONTINGENCY NOTES:
BARO-VNAV AND VDP NA WHEN USING SIOUX COUNTY ALTIMETER SETTING.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SIOUX COUNTY ALTIMETER SETTING: INCREASE LPV DA TO 1765 FEET; INCREASE LNAV/VNAV DA TO 1743 FEET; INCREASE ALL MDAS 60 FEET.
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	3.26
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	335.47
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1500
DISTANCE FROM	THLD	TO 1500FT POINT	4.85
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	335.47
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1500

THRESHOLD COORDINATES (IF STR-IN) 431211.34N/0954948.54W

ARP COORDINATES 431230.20N/0955000.30W

RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 15 DISTANCE 0.35 NM

FAF COORDINATES 430746.77N/0954703.51W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

LIAM DONAHUE

OFFICE

AJV-A33

DATE

05/08/2026

TITLE

AERONAUTICAL INFORMATION SPECIALIST

