

**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>		
AIT	RNAV (GPS) RWY 34	1A	AITKIN	MN		
<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SUPERSEDED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>
1206	1206	RNAV (GPS) RWY 34	1	08/17/2017	0E	2015
<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

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LINDR	IAF	MIDPE	NOPT	TF	FB	1.00	329.74	13.83	3400
GOLLF	IAF	MIDPE	NOPT	TF	FB	1.00	006.61	36.68	3400
YEPSU	IAF	MIDPE	NOPT	TF	FB	1.00	054.56	17.44	3400
MIDPE	IF/IAF	YOCUV		TF	FB	1.00	344.49	6.00	3000
YOCUV	FAF	NEYIY/1.80 NM TO RW34		TF	FB	0.30	344.47	3.71	
NEYIY/1.80 NM TO RW34		RW34	MAP	TF	FO	0.30	344.47	1.80	
RW34	MAP	1548 MSL		CA			344.47		
1548 MSL		ZAPUB		DF	FO	1.00			3400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW34

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3400 DIRECT ZAPUB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)	
2. HOLD S MIDPE, RT, 344.49 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 6000.						
3. FAC: 344.47	FAF: YOCUV		DIST FAF TO MAP: 5.51	DIST FAF TO THLD: 5.51		
4. MIN ALT: MIDPE 3400, YOCUV 3000, NEYIY/1.80 NM TO RW34 1800						
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	342 HAT: 0.95	GS ANT:	
6. MIN GP INCPT: 3000	GP ALT AT PFAF: YOCUV 3000			OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 39.0			
8. MSA FROM: RW34 2900						



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 8 AND 26.
CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA WHEN USING HZX ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HZX ALTIMETER SETTING: INCREASE LPV DA TO 1588 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1660 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C 1/4 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LINDR ON V218 SOUTHBOUND, AND ARRIVALS AT YEPSU AND GOLLF ON T383 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 164.38 INBOUND.
CHART FAS OBST: 1420 TOWER (27-000405) 463225N/0933925W.
WAAS CHANNEL # 82431
REFERENCE PATH ID: W34A
CHART CIRCLING ICON.
LTP HAE: 339.7 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	1548	1 1/8	342	1548	1 1/8	342	1548	1 1/8	342		NA				
LNAV/VNAV DA	1620	1 3/8	414	1620	1 3/8	414	1620	1 3/8	414		NA				
LNAV MDA	1720	1	514	1720	1	514	1720	1 3/8	514		NA				
CIRCLING	1780	1	574	1780	1	574	1900	2	694		NA				

CHANGES - REASONS

1. PROFILE LINE 2: ADDED "MAX 6000" - 8260.19J, 8-6-7.
2. PROFILE LINE 4: REMOVED ASTERISK FROM "NEYIY1.80 NM TO RW34 1800" - NO LONGER REQUIRED BY CRITERIA.
3. PROFILE LINE 5: ADDED "342 HAT: 0.95" - 8260.19J, 8-6-7.
4. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - 8260.19J, 8-6-7.
5. ADDITIONAL FLIGHT DATA: ADDED OBSTACLE ID "(27-000405)" TO FAS OBST - 8260.19J, 8-6-11.C.
6. ADDITIONAL FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 342 HAT: 0.95 NM" - NO LONGER REQUIRED BY CRITERIA.
7. ADDED CHART PROFILE NOTE: "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - 8260.19J, 8-6-10.M; VGSI RWY 34 TCH CHANGED FROM 39.3 TO 30.1.
8. CHART NOTE CHANGED FROM "BARO-VNAV NA WHEN USING MC GREGOR ALTIMETER SETTING" TO "BARO-VNAV NA WHEN USING HZX ALTIMETER SETTING" - 8260.19J, 8-6-10.E.
9. CHART NOTE CHANGED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - 8260.19J, 8-6-10.R.
10. CHART NOTE CHANGED FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE MC GREGOR ALTIMETER SETTING AND INCREASE ALL DA 40 FEET AND ALL VISIBILITIES 1/8 SM, INCREASE ALL MDA 40 FEET AND LNAV CAT C VISIBILITY 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HZX ALTIMETER SETTING: INCREASE LPV DA TO 1588 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1660 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C 1/4 SM" - 8260.19J, 8-6-12.N.
11. REMOVED CHART NOTE: "DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" - 8260.19J, 8-6-8.
12. REMOVED CHART NOTE: "LNAV ONLY" - NO LONGER REQUIRED BY CRITERIA.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZMP, AMGR.

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by

DAVID DANNER

Nov 26, 2024

DATE

DEVELOPED BY

TIMOTHY JOHNSON

Digitally signed by

Timothy Johnson

Nov 25, 2024

OFFICE

AJV-A421

DATE

08/08/2024

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

Nov 26, 2024

OFFICE

AJV-A421

DATE

02/20/2025

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAIT
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	463243.4260N
LTP/FTP LONGITUDE	0934019.8580W
LTP/FTP ELLIPSOIDAL HEIGHT	+03397
FPAP LATITUDE	463409.2265N
FPAP LONGITUDE	0934054.5005W
THRESHOLD CROSSING HEIGHT (TCH)	00039.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	362CCF19

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03676
FPAP ORTHOMETRIC HEIGHT	+03676



**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>
AIT	RNAV (GPS) RWY 34	1A	AITKIN	MN	1206	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM LINDR **TO** MIDPE

RNP 1.00 **DISTANCE** 13.83 **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	460854.00N/0932642.00W	1569	164	98	4E	1000				AT831	3400
TERRAIN	461521.00N/0932730.00W	1365 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM GOLLF **TO** MIDPE

RNP 1.00 **DISTANCE** 36.68 **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>
TOWER (27-001354)	460656.00N/0933948.00W	1637	500	50	5D	1000				AT763	3400
TERRAIN	460045.00N/0934442.00W	1378 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM

YEPSU

TO

MIDPE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
1.00	17.44										
<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	461121.00N/0935239.00W	1614	164	98	4E	1000				AT786	3400
TERRAIN	461121.00N/0935239.00W	1414 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

MIDPE (IF/IAF)

TO

YOCUV

<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	462615.00N/0933854.00W	1555	164	98	4E	500				AT847 AC98	3000
TERRAIN	462615.00N/0933854.00W	1355 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

YOCUV

TO

RW34

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.51		DA				342				
<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 (KAITT0594)	463205.56N/0934007.06W	1333	20	3	1A		34:1			MA55	1548

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

YOCUV

TO

RW34

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.51		DA				414				
<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 (27-000405)	463225.00N/0933925.00W	1420	250	50	4D	150				AC50	1620

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

YOCUV

TO

NEYIY/1.80 NM TO RW34

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.71										
<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	462753.82N/0933659.46W	1509	50	20	2C	250				RA40	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

NEYIY/1.80 NM TO RW34

TO

RW34

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	1.80		RW34	514	

<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>
TWR (27-000405)	463225.00N/0933925.00W	1420	250	50	4D	250				AC50	1720

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

MIDPE

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>
AAO	462445.00N/0933151.00W	1631	164	98	4E	1000				AT769	3400
TERRAIN	462445.00N/0933151.00W	1431 (1400)								AS1500	2900

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

ZAPUB

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1320			
<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 (KAITT0594)	463205.56N/0934007.06W	1333	20	3	1A		ASC				3400
TOWER (27-021244)	464323.77N/0934217.01W	1674	20	3	1A	1000					2700
TERRAIN	464221.00N/0934348.00W	1415 (1400)								AS1500	2900

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

ZAPUB

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 1470				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (KAITT0594)	463205.56N/0934007.06W	1333	20	3	1A		ASC				3400
TOWER (27-021244)	464323.77N/0934217.01W	1674	20	3	1A	1000					2700
TERRAIN	464221.00N/0934348.00W	1415 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LNAV

FROM

RW34

TO

ZAPUB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1620
<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 (KAITT0594)	463205.56N/0934007.06W	1333	20	3	1A		ASC				3400
TOWER (27-021244)	464323.77N/0934217.01W	1674	20	3	1A	1000					2700
TERRAIN	464221.00N/0934348.00W	1415 (1400)								AS1500	2900

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											
TOWER (27-000405)	463225.00N/0933925.00W	1.31	574	1420	250	50	4D	300		AC50	1780
CATEGORY B											
TOWER (27-000405)	463225.00N/0933925.00W	1.85	574	1420	250	50	4D	300		AC50	1780
CATEGORY C											
TOWER (27-002126)	463130.35N/0934354.08W	2.91	694	1584	20	3	1A	300			1900

CIRCLING REMARKS:

MSA

CENTER

RW34

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (27-020551)	465519.47N/0935518.15W	336	24.8	1840	250	50	4D	1000			2900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

DLH APP CON, ZMP ARTCC, PNM FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	AIT	24	AIT	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	HZX	24	HZX	15.76	Y	40

WX REMARKS:

RASS PRESSURE PATTERNS SAME
AIT 1206, HZX 1228
RA = 39.4

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW08			
RW26			
RW16 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW34 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1205.9	39.0			3.00	30.1

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	+12.61C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 832 HIGH TEMP 1182.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV, LNAV		
34:1			
1300 TREE (KAITT0049) 463230.75N/0934006.49W (56.23)		1260 TREE (KAITT0114) 463239.20N/0934023.96W (50.11)	
1288 TREE (KAITT0039) 463228.90N/0934005.89W (38.58)		1271 TREE (KAITT0058) 463231.98N/0934007.35W (31.23)	

<u>AIRPORT ID</u> AIT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>AMDT NO.</u> 1A	<u>CITY</u> AITKIN	<u>STATE</u> MN	<u>AIRPORT ELEVATION</u> 1206	<u>FACILITY</u> RNAV
1280 TREE (KAITT0027) 463226.52N/0934006.64W (24.18)			1323 TREE (KAITT0564) 463211.69N/0934000.22W (21.09)			
1322 TREE (KAITT0568) 463210.67N/0934004.31W (19.41)			1940 TREE (KAITT0022) 463224.59N/0934002.57W (19.40)			
1320 TREE (KAITT0566) 463210.70N/0934004.27W (17.48)			1333 TREE (KAITT0594) 463205.56N/0934007.06W (17.27)			
1285 TREE (KAITT0013) 463210.17N/0934017.99W (17.21)			1226 TREE (KAITT0112) 463240.80N/0934012.96W (14.64)			
1284 TREE (KAITT0010) 463222.23N/0934006.08W (15.56)			1332 TREE (KAITT0597) 463206.93N/0933958.56W (15.51)			
1331 TREE (KAITT0559) 463211.89N/0934004.50W (14.02)			1278 TREE (KAITT0016) 463221.55N/0934014.70W (12.36)			
1280 TREE (KAITT0011) 463222.27N/0934006.13W (11.70)			1278 TREE (KAITT0012) 463219.75N/0934019.75W (9.98)			
1314 TREE (KAITT0574) 463210.62N/0934000.06W (8.93)			1282 TREE (KAITT0001) 463220.31N/0934007.35W (8.75)			
1315 TREE (KAITT0577) 463210.85N/0933956.45W (8.60)			1217 TREE (KAITT0120) 463241.63N/0934013.77W (8.47)			
1315 TREE (KAITT0580) 463210.87N/0933954.53W (7.60)			1318 TREE (KAITT0588) 463207.52N/0934005.13W (6.83)			
1298 TREE (KAITT0551) 463215.99N/0933957.14W (6.73)			1322 TREE (KAITT0592) 463207.23N/0933958.87W (6.54)			
1326 TREE (KAITT0600) 463205.60N/0934000.01W (6.50)			1224 TREE (KAITT0097) 463238.69N/0934012.64W (6.40)			
1296 TREE (KAITT0546) 463213.99N/0934009.54W (5.82)			1225 TREE (KAITT0093) 463236.16N/0934022.71W (5.69)			
1308 TREE (KAITT0567) 463211.28N/0934001.23W (5.47)			1232 TREE (KAITT0599) 463206.49N/0933956.55W (4.14)			
1309 TREE (KAITT0575) 463209.91N/0934002.93W (3.47)			1299 TREE (KAITT0555) 463210.50N/0934017.96W (3.45)			
1294 TREE (KAITT0550) 463213.61N/0934010.02W (3.00)			1316 TREE (KAITT0591) 463206.37N/0934007.30W (2.72)			
1294 TREE (KAITT0547) 463214.22N/0934008.15W (2.72)			1229 TREE (KAITT0075) 463234.59N/0934018.00W (2.59)			
1279 TREE (KAITT0526) 463219.73N/0934004.22W (2.36)			1278 TREE (KAITT0525) 463219.17N/0934007.25W (1.42)			
1272 TREE (KAITT0006) 463219.08N/0934018.50W (1.37)			1292 TREE (KAITT0549) 463213.37N/0934011.90W (1.34)			
1323 TREE (KAITT0603) 463204.09N/0934002.83W (0.72)			1223 ROAD (KAITT0087) 463236.63N/0934014.40W (0.46)			
1272 TREE (KAITT0004) 463219.04N/0934016.66W (0.24)			1322 TREE (KAITT0602) 463205.43N/0933956.74W (0.21)			
1222 ROAD (KAITT0090) 463237.03N/0934013.62W (0.18)						
<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>



ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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

THRESHOLD COORDINATES (IF STR-IN)	463243.43N/0934019.86W
ARP COORDINATES	463254.46N/0934035.88W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 16 DISTANCE 0.45 NM
FAF COORDINATES	462724.98N/0933811.56W
FIX NAME COORDINATES	

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
TIMOTHY JOHNSON	AJV-A421	08/08/2024	AERONAUTICAL INFORMATION SPECIALIST

