

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>		
STP	RNAV (GPS) RWY 32	2	ST PAUL	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SUPERSEDED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>
705	704	RNAV (GPS) RWY 32	1A	06/17/2021	0E	2020
<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>
LDASH	IAF	FOMRU		TF	FB	1.00	357.44	5.45	3000
PRESS	IAF	FOMRU		TF	FB	1.00	290.20	9.88	3000
FOMRU	IF	RULDE		TF	FB	1.00	326.12	6.00	2500
RULDE	FAF	HOVIN/2.30 NM TO RW32		TF	FB	0.30	326.09	3.21	
HOVIN/2.30 NM TO RW32		RW32	MAP	TF	FO	0.30	326.09	2.30	
RW32	MAP	1400 MSL		CA			326.09		1400
1400 MSL		WHISK		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 DIRECT WHISK AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT FOMRU
- FAC: 326.09 FAF: RULDE DIST FAF TO MAP: 5.51 DIST FAF TO THLD: 5.51
- MIN ALT: FOMRU 3000, RULDE 2500, HOVIN/2.30 NM TO RW32 1460
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 327 HAT: 0.90 GS ANT: IM:
- MIN GP INCPT: 2500 GP ALT AT PFAF: RULDE 2500 OM: MM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.2
- MSA FROM: RW32 3500



PBN REQUIREMENTS NOTE:

RNP APCH-GPS

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PRESS ON V2-97 SOUTHEAST BOUND AND V26 EASTBOUND.

ADDITIONAL FLIGHT DATA:

CHART KSGS AND 7MN1.
HOLD N, RT, 197.00 INBOUND.
CHART FAS OBST: 975 TREE (27-063207) 445428N/0930312W.
CHART VDP AT 1.55 NM TO RW32.
WAAS CHANNEL # 50123
REFERENCE PATH ID: W32A
CHART CIRCLING ICON.
LTP HAE: 187 M

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	1031	5000	327	1031	5000	327	1031	5000	327	1031	5000	327			
LNAV/VNAV DA	1240	1 1/2	536	1240	1 1/2	536	1240	1 1/2	536	1240	1 1/2	536			
LNAV MDA	1240	5500	536	1240	5500	536	1240	1 1/2	536	1240	1 1/2	536			
CIRCLING	1580	1 1/4	875	1580	1 1/4	875	1580	2 1/2	875	1600	3	895			

CHANGES - REASONS

1. CHANGED CHART NOTE FROM: "RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO: "RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED" - 8260.19J(K)2/VISIBILITY IS IN RVR.
2. ADDED CHART FAST OBSTACLE TO ADDITIONAL FLIGHT DATA: 975 TREE (27-063207) 445428N/0930312W - 8260.19J C.
3. RAISED CIRCLING CAT D MDA/HAA FROM: "1580/875" TO: "1600/895" - NEW OBSTACLE EVALUATION.
4. FPAP LAT/LONG CHANGED FROM: "445651.9830N/0930426.7460W" TO: "445651.9845N/0930426.7430W" - UPDATED AIRNAV DATA.
5. CRC REMAINDER CHANGED FROM: "F194C627" TO: "9EFA6666" - FPAP LAT/LONG CHANGED.
6. DELETED "1200 AAO 445154N/0925846W" FROM ADDITIONAL FLIGHT DATA - NEW OBSTACLE EVALUATION.
7. REPLACED LANV STEPDOWN FIX (JOSVU) WITH FIX HOVIN - TO MATCH ILS OR LOC 32 FINAL DESIGN/FPT REQUEST.
8. LOWERED LNAV/VNAV DA/HAT FROM 1258/554 TO 1240/536 - CONTROLLING OBSTACLE IN SLOPING AREA/MATCHING LNAV MDA.
9. LOWERED LNAV/VNAV ALL CATS VISIBILITY FROM 1 5/8 TO 1 1/2 - BASED ON LOWER DA/HAT VALUE.
10. CHANGED PLANVIEW NOTE FROM: "PROCEDURE NA FOR ARRIVALS AT PRESS ON V2-97 SOUTHEAST BOUND" TO: "PROCEDURE NA FOR ARRIVALS AT PRESS ON V2-97 SOUTHEAST BOUND AND V26 EASTBOUND - V26 EASTBOUND DOES NOT MEET TURN CRITERIA.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZMP, MSP APP CON, STP ATCT, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (THERON CYRUS)

OFFICE

AJV-A432

DATE

02/18/2025

APPROVED BY

CASIMIR L. TABAKA

OFFICE

AJV-A432

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSTP
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	445538.0945N
LTP/FTP LONGITUDE	0930316.6640W
LTP/FTP ELLIPSOIDAL HEIGHT	+01870
FPAP LATITUDE	445651.9845N
FPAP LONGITUDE	0930426.7430W
THRESHOLD CROSSING HEIGHT (TCH)	00040.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0888
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	9EFA6666

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02145
FPAP ORTHOMETRIC HEIGHT	+02145



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>
STP	RNAV (GPS) RWY 32	2	ST PAUL	MN	705	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
LDASH

TO
FOMRU

RNP
1.00

DISTANCE
5.45

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	444433.00N/0925406.00W	1168	215	8	4B	1000				AT832	3000
TERRAIN	444433.00N/0925406.00W	967 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
PRESS

TO
FOMRU

RNP
1.00

DISTANCE
9.88

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	444315.00N/0923930.00W	1270	215	8	4B	1000				AT730	3000
TERRAIN	444433.00N/0924118.00W	1059 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
21
CHECKED

INTERMEDIATE

FROM

FOMRU

TO

RULDE

RNP

1.00

DISTANCE

6.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	444724.00N/0925103.00W	1191	215	8	4B	500					1700
TERRAIN	445100.00N/0925612.00W	977 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

RULDE

TO

RW32

RNP

0.30

DISTANCE

5.51

PAT

MAP

DA

HAT

327

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (27-031873)	445516.91N/0930256.60W	776	20	3	1A		34.00:1			MA76	1031

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

RULDE

TO

RW32

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.51		DA				536				
<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 (27-031887)	445420.96N/0930304.30W	926	50	20	2C		23.96:1			AC20	1240

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

RULDE

TO

HOVIN/2.30 NM TO RW32

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	3.21										
<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	445154.00N/0925845.00W	1104	215	8	4B	250				DG106	1460

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

HOVIN/2.30 NM TO RW32

TO

RW32

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	2.30		RW32	536	

<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 (27-063207)	445428.03N/0930312.22W	975	50	20	2C	250				SA-7 XP22	1240

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP22: TO RETAIN CURRENT PUBLISHED MINIMA PER MANAGEMENT DIRECTION.

MISSED APPROACH: LPV

FROM

DA

TO

WHISK

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30-1.00					810

<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>
BUILDING (27-027654)	445647.16N/0930528.42W	1271	20	3	1A		ASC				3000
TOWER (27-000033)	450132.00N/0930239.00W	1527	250	50	4D	1000					2600
TERRAIN	450336.00N/0925606.00W	1076 (1100)								AS1500	2600

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

WHISK

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00										1079	
<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
TOWER (27-000033)	450132.00N/0930239.00W	1527	250	50	4D	1000					2600
TERRAIN	450336.00N/0925606.00W	1076 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW32

TO

WHISK

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1140
<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
TOWER (27-000033)	450132.00N/0930239.00W	1527	250	50	4D	1000					2600
TERRAIN	450336.00N/0925606.00W	1076 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID

STP

PROCEDURE NAME

RNAV (GPS) RWY 32

AMDT NO.

2

CITY

ST PAUL

STATE

MN

AIRPORT ELEVATION

705

FACILITY

RNAV

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											
BUILDING (27-027654)	445647.16N/0930528.42W	1.30	875	1271	20	3	1A	300			1580
CATEGORY B											
BUILDING (27-001066)	445653.35N/0930544.26W	1.83	875	1276	20	3	1A	300			1580
CATEGORY C											
BUILDING (27-001066)	445653.35N/0930544.26W	2.88	875	1276	20	3	1A	300			1580
CATEGORY D											
AAO	445533.00N/0925806.00W	3.76	895	1296	215	8	4B	300			1600

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW32	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (27-000499)	450344.84N/0930822.61W	336	8.9	2438	20	50	1D	1000			3500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

STP TOWER, MSP APP CON

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	STP	24	STP	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	SGS	24	SGS	4.80	Y	0

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KSTP 705, KSGS 821
RA = 0.0

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW09 - MIRL (PCL)		BSC-G	
RW27 - MIRL (PCL), PAPI-4R (PCL)		BSC-G	
RW13 - HIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW31 - REIL (PCL), HIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW14 - MALSR (PCL), HIRL (PCL), PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW32 - HIRL (PCL), REIL, PAPI-4L		PIR-G	APPROACH, ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	703.6	40.2			3.00	40.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<div>X</div>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	382
ON CENTERLINE	<div>X</div>	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-21C	+54C	-25C	+13.6C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.
DESCENT RATE (FPM): STANDARD TEMP 964 HIGH TEMP 1272.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 13:
20:1	



<u>AIRPORT ID</u> STP		<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>AMDT NO.</u> 2	<u>CITY</u> ST PAUL	<u>STATE</u> MN	<u>AIRPORT ELEVATION</u> 705	<u>FACILITY</u> RNAV
1211 BLDG (27-031857) 445655.75N/0930523.21W (155.78)				1208 BLDG (27-001008) 445655.00N/0930523.00W (155.70)			
1061 BLDG (27-001007) 445656.00N/0930519.00W (16.98)							
FINAL TYPE	LPV, LNAV/VNAV, AND LNAV						
34:1							
773 TREE (27-034992) 445521.23N/0930258.37W (11.99)				772 TREE (27-034993) 445521.04N/0930258.22W (10.34)			
770 TREE (27-032535) 445521.44N/0930258.59W (9.77)				766 TREE (27-035271) 445521.49N/0930258.16W (5.38)			
776 TREE (27-034970) 445517.43N/0930257.78W (4.9)				768 TREE (27-035053) 445520.05N/0930258.66W (4.42)			
767 TREE (27-062851) 445520.51N/0930258.52W (4.39)				756 TREE (27-034663) 445524.86N/0930257.91W (3.41)			
758 TREE (27-032533) 445523.76N/0930258.15W (2.98)				766 TREE (27-032537) 445520.51N/0930258.17W (2.97)			
773 TREE (27-034931) 445517.70N/0930258.04W (2.88)				775 TREE (27-062736) 445517.23N/0930256.93W (2.4)			
776 TREE (27-031873) 445516.91N/0930256.60W (2.22)				771 TREE (27-034928) 445518.06N/0930258.35W (2.13)			
765 TREE (27-032538) 445520.11N/0930258.25W (1.08)				771 TREE (27-034930) 445517.87N/0930257.69W (0.88)			
775 TREE (27-031889) 445516.84N/0930256.28W (0.67)				772 TREE (27-034972) 445517.63N/0930257.03W (0.51)			
776 TREE (27-062731) 445516.80N/0930255.37W (0.5)							
<u>PENETRATIONS REMARKS:</u>							
CIRCLING RWY 13 20:1 PENETRATIONS MARKED AND LIT.							

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

TAA NOT DEVELOPED PER FPT REQUEST.

CONTINGENCY NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SGS ALTIMETER SETTING.

BARO-VNAV NA WHEN USING SGS ALTIMETER SETTING.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FEET VEGETATION USED PER FPT CHECKLIST.

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	3.94
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	326.09
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1000
DISTANCE FROM	THLD	TO 1500FT POINT	5.51
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	326.09
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1000

THRESHOLD COORDINATES (IF STR-IN)	445538.09N/0930316.66W
ARP COORDINATES	445604.64N/0930337.23W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 32 DISTANCE 0.57 NM
FAF COORDINATES	445103.59N/0925856.86W
FIX NAME COORDINATES	IF FOMRU 444604.77N/0925414.72W

REMARKS

THLD DISPLACED 382FT, ACTUAL COORDINATES: 445534.97N/0930313.70W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (THERON CYRUS)	AJV-A432	02/18/2025	AERONAUTICAL INFORMATION SPECIALIST

