

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> 06D	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ROLLA	<u>STATE</u> ND		
<u>AIRPORT ELEVATION</u> 1823	<u>TDZE</u> 1819	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 5E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 08/10/2023	<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>
BALTA	IAF	UTACI	NOPT	TF	FB	1.00	030.32	39.12	3400
DVL DME	IAF	UTACI	NOPT	TF	FB	1.00	323.33	42.83	3400
UTACI	IF/IAF	SEMGE		TF	FB	1.00	325.08	6.17	3400
SEMGE	FAF	RW32	MAP	TF	FO	0.30	325.03	4.83	
RW32	MAP	2300 MSL		CA			325.03		2300
2300 MSL		BALTA		DF	FO	1.00			3800

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2300, THEN CLIMBING LEFT TURN TO 3800 DIRECT BALTA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SE UTACI, RT, 325.08 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	325.03	FAF: SEMGE	DIST FAF TO MAP: 4.83	DIST FAF TO THLD: 4.83	
4. MIN ALT:	UTACI 3400, SEMGE 3400				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.65	GS ANT:
6. MIN GP INCPT:	3400	GP ALT AT PFAF :	SEMGE 3400	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR
			TCH: 45.0		
8. MSA FROM:	RW32 3700				

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 7 AND 25.
CHART NOTE: CIRCLING RWY 14 NA AT NIGHT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CANDO MUNI ALTIMETER SETTING.
CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°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 CANDO ALTIMETER SETTING: AND INCREASE LPV DA TO 2183 FEET; INCREASE LNAV/VNAV DA TO 2286 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/2 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 274.34 INBOUND.
FAS OBST: 1994 AAO 484920N/0993408W.
CHART VDP AT 1.30 NM TO RW32.
WAAS CHANNEL # 81834
REFERENCE PATH ID: W32A
CHART CIRCLING ICON.
LTP HAE: 531.7 M



MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4, 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	2069	1	250	2069	1	250	2069	1	250	2069	1	250			
LNAV/VNAV DA	2162	1	343	2162	1	343	2162	1	343	2162	1	343			
LNAV MDA	2260	1	441	2260	1	441	2260	1 3/8	441	2260	1 3/8	441			
CIRCLING	2260	1	437	2340	1	517	2560	2	737	2700	2 3/4	877			

CHANGES - REASONS

1. LNAV/VNAV VIS ALL CATS CHANGED FROM "1 1/4 SM" TO "1 SM" - IAW 8260.3 VIS TABLE.
2. TERMINAL ROUTES: CHANGED LEG "DVL VOR/DME TO UTACI" TO "DVL DME TO UTACI" - PER FPT REQUEST AND VOR MON.
3. TERMINAL ROUTES: CA LEG CHANGED FROM "RW32 TO 2067" TO "RW23 TO 2300". ADDED ALTITUDE "2300" - 8260.58B 3-5-2(A)2.
4. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING LEFT TURN TO 3800 DIRECT BALTA AND HOLD" TO "CLIMB TO 2300, THEN CLIMBING LEFT TURN TO 3800 DIRECT BALTA AND HOLD" - 8260.58B 3-5-2(A)2.
5. NOTES: REMOVED CHART NOTE: DME/DME RNP -03 NA. - UPDATED PBN REQUIREMENTS NOTE.
6. NOTES: REMOVED DEGREES F VALUES FROM BARO-VNAV NA NOTE. - DEGREES FAHRENHEIT NO LONGER USED.
7. REQUIREMENTS NOTE: ADDED RNP APCH - GPS. - 8260.19I PARA 8-6-8.
8. PROFILE LINE 6: ADDED 250 HAT: 0.65 - IAW 8260.19I, PARA 8-6-7E(3).
9. CHANGED BACKUP ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CANDO MUNI ALTIMETER SETTING AND INCREASE ALL DA 114 FT AND LPV VISIBILITY 1/2 MILE ALL CATS AND LNAV/VNAV VISIBILITY 5/8 MILE ALL CATS; INCREASE ALL MDA 120 FT AND LNAV CAT C AND D VISIBILITY 1/2 MILE; INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE, CAT D VISIBILITY 1/4 MILE." TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CANDO ALTIMETER SETTING: AND INCREASE LPV DA TO 2183 FEET; INCREASE LNAV/VNAV DA TO 2276 FEET AND ALL VISIBILITIES 3/8 SM. INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/2 SM." - NEW EVALUATION.
10. PROFILE LINE 6: UPDATED "GP ALT AT PFAF: SEMGE" TO "GP ALT AT PFAF: SEMGE 3400" - 8260.19I 8-6-7F.
11. TERMINAL ROUTES: CHANGED SEGMENT UTACI TO SEMGE DISTANCE FROM "6.15" TO "6.17" - NEW PFAF LOCATION.
12. TERMINAL ROUTES: CHANGED SEGMENT SEMGE TO RW32 DISTANCE FROM "4.85" TO 4.83" - NEW PFAF LOCATION.
13. ADDED MAX 6000 TO PROFILE LINE 2 - IAW 8260.19I 8-6-7B(2)(B)
14. CRC REMAINDER CHANGE FROM "9F4FA19F" TO "0F0AAB40" - PER UPDATED DATA.
15. CHANGED DISTANCE FAF TO MAP AND THLD ON PROFILE LINE 3 FROM "4.85" TO "4.83" - NEW PFAF LOCATION.
16. ADDED 20:1 IS CLEAR TO LINE 7 - IAW 8260.19I 8-6-7G(3)
17. REMOVED *LNAV ONLY FROM ADDITIONAL FLIGHT DATA - NOT REQUIRED PER CURRENT CRITERIA.
18. VDP IN ADDITIONAL FLIGHT DATA CHANGED FROM "CHART VDP AT 1.43 MILES TO RW32" TO "CHART VDP AT 1.30 NM TO RW32" - NEW TARGETS CALCULATION.
19. FAS DATA: FPAP LATITUDE AND LONGITUDE CHANGED FROM "485403.8300N / 0993808.4800W" TO "485403.8400N / 0993808.4585W" - NEW PFAF LOCATION.
20. CHANGED FAS OBST IN ADDITIONAL FLIGHT DATA FROM "FAS OBST: 2039 AAO 484934N/0993514W" TO "FAS OBST: 1994 AAO 484920N/0993408W." - NEW CONTROLLING OBSTACLE.
21. LNAV/VNAV DA/HAT FROM "2172/353" TO "2162/343" - NEW CONTROLLING OBSTACLE.
22. LNAV MDA/HAT CHANGED FROM "2300/481" TO "2260/441" - NEW CONTROLLING OBSTACLE.
23. CIRCLING CAT A CMDA/HAA CHANGED FROM "2300/477" TO "2260/437" - REDUCTION IN STRAIGHT-IN MDA.

06/20/2023:THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 003/30/2023.

1. CHANGED REQUIRED EFFECTIVE DATE FROM "ROUTINE" TO "08/10/2023" - HARD DATED.

Digitally signed by

ERIC N SUSKI

Jun 20, 2023



AIRPORT ID
06D

PROCEDURE NAME
RNAV (GPS) RWY 32

ORIGINAL/AMENDMENT
1

CITY
ROLLA

STATE
ND

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

ERIC N SUSKI

OFFICE

DATE

Jun 20, 2023

Digitally signed by

ERIC N SUSKI

OFFICE

DATE

AJV-A431

03/30/2023

May 12, 2023

Digitally signed by

ERIC N SUSKI

OFFICE

DATE

AJV-A431

TITLE
MANAGER

APPROVED BY

ERIC N SUSKI

May 12, 2023



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	06D
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	485246.7495N
LTP/FTP LONGITUDE	0993700.9235W
LTP/FTP ELLIPSOIDAL HEIGHT	+05317
FPAP LATITUDE	485403.8400N
FPAP LONGITUDE	0993808.4585W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	0F0AAB40

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05537
FPAP ORTHOMETRIC HEIGHT	+05537



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> 06D	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>AMDT NO.</u> 1	<u>CITY</u> ROLLA	<u>STATE</u> ND	<u>AIRPORT ELEVATION</u> 1823	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
BALTA

TO
UTACI

<u>RNP</u>	<u>DISTANCE</u> 39.12	<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 (38-000651)	482436.00N/0994650.00W		2070	500	50	5D	1000				AT330	3400
TERRAIN	484324.00N/0993318.00W		1788 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
DVL DME

TO
UTACI

<u>RNP</u>	<u>DISTANCE</u> 42.83	<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>
AAO	484321.00N/0993121.00W		1989	164	98	4E	1000				AT411	3400
TERRAIN	484230.00N/0992948.00W		1745 (1700)								AS1500	3200

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM
UTACI (IF/IAF)

TO
SEMGE

RNP	DISTANCE 6.17	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	484412.00N/0993254.00W		2025	164	98	4E	500				AC98 AT777	3400
TERRAIN	484409.00N/0993254.00W		1824 (1800)								AS1500	3300

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

FINAL: LPV

FROM
SEMGE

TO
RW32

RNP	DISTANCE 4.83	PAT	MAP DA	HAT 250			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (38-024695)	485234.97N/0993646.99W		1867	50	20	2C		34:1			AC20	2069

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



FINAL: LNAV/VNAV

FROM
SEMGE

TO
RW32

RNP	DISTANCE 4.83	PAT	MAP DA	HAT 343	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC			MA93	2162

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM
SEMGE

TO
RW32

RNP	DISTANCE 4.83	PAT	MAP RW32	HAT 441	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	484919.58N/0993408.04W		1994	50	20	2C	250					2260

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
UTACI

TO
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	484409.00N/0993254.00W		2025	164	98	4E	1000				AT375	3400
TERRAIN	484409.00N/0993254.00W		1824 (1800)								AS1500	3300

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
BALTA

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1881					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3800
AAO	485418.00N/0994454.00W		2435	164	98	4E	1000					3500
TERRAIN	485418.00N/0994454.00W		2234 (2200)								AS1500	3700

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

BALTA

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2001					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	485246.76N/0994051.46W		2179	50	20	2C		ASC				3800
AAO	485418.00N/0994454.00W		2435	164	98	4E	1000					3500
TERRAIN	485418.00N/0994454.00W		2234 (2200)								AS1500	3700

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

MISSED APPROACH : LNAV

FROM

RW32

TO

BALTA

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2160					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3800
AAO	485418.00N/0994454.00W		2435	164	98	4E	1000					3500
TERRAIN	485418.00N/0994454.00W		2234 (2200)								AS1500	3700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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	485252.38N/0993837.18W	1.32	437	1954	50	20	2C	300			2260
CATEGORY B											
TREE	485304.61N/0994019.96W	1.87	517	2039	50	20	2C	300			2340
CATEGORY C											
TOWER (38-000718)	485052.42N/0993922.54W	2.95	737	2203	250	50	4D	300		AC50	2560
CATEGORY D											
WINDMILL (38-023019)	485713.59N/0993759.32W	3.85	877	2333	500	50	5D	300		AC50	2700

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW32	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	485906.00N/1000209.00W	286	17.7	2661	164	98	4E	1000			3700

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZMP ARTCC, GFK FSS

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> K06D	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> K06D	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> K9D7	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> K9D7	<u>DISTANCE</u> 28.66	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 114

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
06D 1823 9D7 1482
RA=113.8

<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), PAPI-2L (PCL)		NPI-F	
RW32 - MIRL (PCL), PAPI-2L (PCL)		NPI-F	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 1816.5	<u>TCH</u> 45.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 27.2
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -18C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -18C	<u>APT ISA</u> +11.39C
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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 979 HIGH TEMP 1292.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LPV, LNAV/VNAV, LNAV		
34:1			
1867 TREE (38-024695) 485234.97N/0993646.99W (12.27)		1867 TREE (38-024696) 485234.94N/0993645.44W (10.67)	
1827 TRAVERSE_WAY (38-024868) 485241.86N/0993659.86W (2.72)			

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.

TAA NOT DEVELOPED PER ATC REQUEST.

VEGETATION HEIGHT USED: 100 FT

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID 06D	PROCEDURE NAME RNAV (GPS) RWY 32	AMDT NO. 1	CITY ROLLA	STATE ND	AIRPORT ELEVATION 1823	FACILITY RNAV
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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	330.03
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1900
DISTANCE FROM	THLD	TO 1500FT POINT	4.83
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	330.03
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1900

THRESHOLD COORDINATES (IF STR-IN)

485246.75N/0993700.92W

ARP COORDINATES

485303.90N/0993715.34W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 14 DISTANCE 0.38 NM

FAF COORDINATES

484835.92N/0993321.54W

FIX NAME COORDINATES

REMARKS

NO ADDITONAL AIRSPACE REQUIRED.

QUALITY

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CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> ERIC N SUSKI (ZACHARY KRUEGER)	<u>OFFICE</u> AJV-A431	<u>DATE</u> 03/30/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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