

**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> BNA	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 20R	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> NASHVILLE	<u>STATE</u> TN
<u>AIRPORT ELEVATION</u> 599	<u>TDZE</u> 578	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 20R	<u>DATED</u> 04/27/2017	<u>MAG VAR</u> 3W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2010
			<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>
GUITR	IAF	PICKN		TF	FB	1.00	200.67	5.32	5000
PICKN		HIKRY		TF	FB	1.00	200.70	4.30	4000
HIKRY	IF	AKUFF		TF	FB	1.00	200.69	3.20	3000
AKUFF		OPERY		TF	FB	1.00	200.67	3.15	2000
OPERY	FAF	MARJG/1.71 NM TO RW20R		TF	FB	0.30	200.67	2.64	
MARJG/1.71 NM TO RW20R		RW20R	MAP	TF	FO	0.30	200.67	1.71	
RW20R	MAP	1200 MSL		CA			200.67		
1200 MSL		BEVEE		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW20R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 DIRECT BEVEE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- PROFILE STARTS AT HIKRY
- FAC: 200.67 FAF: OPERY DIST FAF TO MAP: DIST FAF TO THLD:
- MIN ALT: HIKRY 4000, AKUFF 3000, OPERY 2000, MARJG/1.71 NM TO RW20R 1160
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.51 GS ANT: IM:
- MIN GP INCPT: 2000 GP ALT AT PFAF: OPERY 2000 OM: MM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 60.4
- MSA FROM: RW20R 3100

QUALITY
34
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
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 -10°C OR ABOVE 54°C.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C AND D VISIBILITY TO RVR 6000.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 088.61 INBOUND.
CHART FAS OBST: 850 TOWER (47-024931) 361030N/0864009W.
WAAS CHANNEL # 78411
REFERENCE PATH ID: W20A
CHART CIRCLING ICON.
LTP HAE: 140.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2

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	778	4000	200	778	4000	200	778	4000	200	778	4000	200			
LNAV/VNAV DA	880	4000	302	880	4000	302	880	4000	302	880	4000	302			
LNAV MDA	980	4000	402	980	4000	402	980	5000	402	980	5000	402			
CIRCLING	1100	1	501	1120	1	521	1200	1 3/4	601	1380	2 1/2	781			



CHANGES - REASONS

1. TERMINAL ROUTES: DELETED "BNA VORTAC TO HIKRY" - NEW PROCEDURE DESIGN PER IFP REQUEST FORM.
2. TERMINAL ROUTES: DELETED "TANDS TO HIKRY" - NEW PROCEDURE DESIGN PER IFP REQUEST FORM.
3. TERMINAL ROUTES: ADDED "GUITR TO PICKN" - NEW PROCEDURE DESIGN PER IFP REQUEST FORM.
4. TERMINAL ROUTES: ADDED "PICKN TO HIKRY" - NEW PROCEDURE DESIGN PER IFP REQUEST FORM.
5. TERMINAL ROUTES: AMENDED FROM "HIKRY TO OPERY" TO "HIKRY TO AKUFF"- STEPDOWN FIX ADDED PER IFP REQUEST FORM.
6. TERMINAL ROUTES: ADDED "AKUFF TO OPERY" - STEPDOWN FIX ADDED PER IFP REQUEST FORM.
7. TERMINAL ROUTES: ADDED OPERY TO MARJG/1.71NM TO RW20R - TO ACHIEVE LOWER MINIMUMS, MATCH ILS OR LOC Y RWY 20R USE.
8. TERMINAL ROUTES: ADDED MARJG/1.71NM TO RW20R- TO ACHIEVE LOWER MINIMUMS, MATCH ILS OR LOC Y RWY 20R USE.
9. TERMINAL ROUTES: CA LEG CHANGED FROM "RW20R TO 778 MSL" TO "RW20R TO 1200 MSL" - NEW MISSED APPROACH PER IFP REQUEST FORM.
10. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 3000 DIRECT RONLE AND HOLD" TO "CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 DIRECT BEVEE AND HOLD" - NEW PROCEDURE DESIGN PER IFP REQUEST FORM.
11. PROFILE LINE 2: CHANGED FROM "HOLD N HIKRY, RT, 200.69 INBOUND, 4000 FT. IN LIEU OF PT (IAF)" TO "PROFILE STARTS AT HIKRY - NEW PROCEDURE DESIGN PER IFP REQUEST FORM.
12. PROFILE LINE 4: CHANGED FROM "HIKRY 4000, OPERY 2000" TO "HIKRY 4000, AKUFF 3000, OPERY 2000, MARJG/1.71 NM TO RW20R 1160" - STEPDOWN FIX ADDED PER IFP REQUEST FORM.
13. PROFILE LINE 5: MOVED NOTE "200 HAT: 0.51" FROM ADDITIONAL FLIGHT DATA TO LINE 5 - IAW 8260.19J 8-6-7 E.(3)
14. PROFILE LINE 7: ADDED "20:1 IS CLEAR" - IAW 8260.19J 8-6-7.G(3)(A).
15. PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS" - IAW 8260.19J 8-6-8.
16. NOTES: REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" - PER 8260.19J 8-6-8.
17. NOTES: CHANGED FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C (13°F) OR ABOVE 54°C (130°F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10°C OR ABOVE 54°C" - NEW TEMP DATA USED.
18. NOTES: CHANGED FROM "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV CAT D VISIBILITY TO 1 5/8 SM AND LNAV CATS C AND D VISIBILITY TO 1 3/4 SM" TO "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C AND D VISIBILITY TO RVR 6000." - UPDATED MINS PER 8260.3F TABLE 3-3-1.
19. NOTES: UPDATED FROM "CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 20L" TO "CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED" - IAW 8260.19J 8-6-12.O(8).
20. NOTES: UPDATED FROM "CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS" TO "CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS" - IAW 8260.19J 8-6-12.O(8)(D).
21. ADDITIONAL FLIGHT DATA: MISSED HOLDING CHANGED FROM "HOLD S, LT, 020.61 INBOUND" TO "HOLD W, RT, 088.61 INBOUND" - NEW MISSED APPROACH DESIGN PER IFP REQUEST FORM.
22. ADDITIONAL FLIGHT DATA: FAS OBSTACLE CHANGED FROM "CHART FAS OBST: 899 TREE 361030N/0864008W" TO "CHART FAS OBST: 850 TOWER (47-024931) 361030N/0864009W" - NEW PROCEDURE DESIGN AND EVALUATION PERFORMED PER IFP REQUEST FORM.
23. ADDITIONAL FLIGHT DATA: REMOVED ASTERISK FROM "CHART VDP AT 1.64 NM TO RW20R*" AND DELETED "*LNAV ONLY" - NO LONGER REQUIRED PER 8260.19J.
24. MINIMUMS: LNAV/VNAV CHANGED FROM 1038/460 ALL CATS TO 880/302 ALL CATS AND VIS CHANGED FROM "1 3/8 ALL CATS" TO "4000 ALL CATS" - LOWERED MINS PER FPT REQUEST AND PER 8260.3F TABLE 3-3-1.
25. MINIMUMS: LNAV MINS CHANGED FROM 1160/582 ALL CATS TO 980/402 ALL CATS AND VIS CHANGED FROM CHANGED FROM 1 3/8 CATS C AND D TO RVR 5000 CATS C AND D - LOWERED MINS PER FPT REQUEST AND PER 8260.3F TABLE 3-3-1.
26. MINIMUMS: CIRCLING CAT A CHANGED FROM 1160 TO 1100, CAT B CHANGED FROM 1160 TO 1120 - LOWERED MINS PER FPT REQUEST.
27. FAS DATA: CRC REMAINDER CHANGED FROM "15C13A69" TO "46F5E060" - LTP/FTP COORDINATES CHANGED FROM "360816.2325N/0864042.8380W" TO "360816.2320N/0864042.8335W" AND FPAP COORDINATES CHANGED FROM "360651.2045N/0864116.1805W" TO "360651.2060N/0864116.1835W"

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZME, BNA APP CON, BNA ATCT, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

BRITNEY ARMENTROUT

OFFICE

AJV-A422

DATE

05/06/2025

APPROVED BY

RAKE MCGRAW

OFFICE

AJV-A422

DATE

TITLE

MANAGER



AIRPORT ID
BNA

PROCEDURE NAME
RNAV (GPS) Y RWY 20R

ORIGINAL/AMENDMENT
4

CITY
NASHVILLE

STATE
TN

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
KBNA
RW20R
0
Y
0
W20A
360816.2320N
0864042.8335W
+01401
360651.2060N
0864116.1835W
00060.4
F
03.00
106.75
0400
40.0
35.0

CRC REMAINDER

46F5E060

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K7
+01693
+01693

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>
BNA	RNAV (GPS) Y RWY 20R	4	NASHVILLE	TN	599	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM GUITR **TO** PICKN

RNP 1.00 DISTANCE 5.32 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	362842.00N/0863448.00W	1139	215	8	4B	1000				AT2861	5000
TERRAIN	362554.00N/0863621.00W	912 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM PICKN **TO** HIKRY

RNP 1.00 DISTANCE 4.30 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 (47-002244)	362236.90N/0863510.20W	1025	50	20	2C	1000				AT1975	4000
TERRAIN	362142.00N/0863733.00W	803 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

HIKRY

TO

AKUFF

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	3.20										
<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 (47-000200)	361743.00N/0863932.00W	906	100	20	3C	500				AT1594	3000
TERRAIN	361851.00N/0863818.00W	659 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

AKUFF

TO

OPERY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
1.00	3.15										
<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	361600.00N/0863703.00W	811	215	8	4B	500				AT689	2000
TERRAIN	361218.00N/0863739.00W	606 (600)								AS1000	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

OPERY

TO

RW20R

<u>RNP</u> 0.30	<u>DISTANCE</u> 4.35	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200	<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>
							ASC				778

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

OPERY

TO

RW20R

<div><div>RNP</div><div>0.30</div></div>	<div><div>DISTANCE</div><div>4.35</div></div>	<div><div>PAT</div></div>	<div><div>MAP</div><div>DA</div></div>	<div><div>HAT</div><div>302</div></div>	<div><div>HMAS</div></div>						
<div><div>OBSTRUCTION</div></div>	<div><div>COORDINATES</div></div>	<div><div>ELEV MSL</div></div>	<div><div>HORZ</div></div>	<div><div>VERT</div></div>	<div><div>AC</div></div>	<div><div>ROC</div></div>	<div><div>OCS</div></div>	<div><div>CG</div></div>	<div><div>CGTA</div></div>	<div><div>ADJUSTMENTS</div></div>	<div><div>MIN ALT</div></div>
TREE	360827.00N/0864112.00W	711	215	8	4B	161				AC8	880

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

OPERY

TO

MARJG/1.71 NM TO RW20R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.64										
<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 (47-024931)	361030.39N/0864008.71W	850	20	3	1A	250				XP60	1160

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:
TO MAINTAIN CURRENT MINS.

FINAL: LNAV STEPDOWN

FROM

MARJG/1.71 NM TO RW20R

TO

RW20R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.71		RW20R		402						
<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	360827.00N/0864112.00W	711	215	8	4B	250					980

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LPV

FROM

DA

TO

BEVEE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u> 597		
<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
TOWER (47-000131)	360827.45N/0865156.48W	2049	20	3	1A	1000					3100
TERRAIN	360354.00N/0864703.00W	1154 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LNAV/VNAV

FROM

DA

TO

BEVEE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 719				
<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
TOWER (47-000131)	360827.45N/0865156.48W	2049	20	3	1A	1000					3100
TERRAIN	360354.00N/0864703.00W	1154 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LNAV

FROM

RW20R

TO

BEVEE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00										880	
<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
TOWER (47-000131)	360827.45N/0865156.48W	2049	20	3	1A	1000					3100
TERRAIN	360354.00N/0864703.00W	1154 (1200)								AS1500	2700

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	360539.00N/0863918.00W	1.30	501	783	215	8	4B	300			1100
CATEGORY B											
TOWER (47-000499)	360949.00N/0864254.00W	1.83	521	816	20	3	1A	300			1120
CATEGORY C											
TOWER (47-024931)	361030.39N/0864008.71W	2.87	601	850	20	3	1A	300		XP50	1200
CATEGORY D											
AAO	360257.00N/0864318.00W	3.75	781	1073	215	8	4B	300			1380

CIRCLING REMARKS:

TO MAINTAIN CURRENT MINS.

MSA

CENTER

RW20R

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (47-002263)	360250.42N/0864948.93W	237	9.2	2049	500	50	5D	1000			3100

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

BNA APP CON, BNA TOWER

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	BNA	24	BNA	1.00	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

BACKUP ALTIMETER NOT REQUIRED AS AIRPORT HAS REDUNDANT SOURCES.

<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>
RW02L - ALSF-2, TDZ, C/LINE, HIRL, PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW02C - MALSR, HIRL		PIR-G	APPROACH
RW02R - ALSF-2, TDZ, HIRL, C/LINE		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW13 - HIRL, REIL		PIR-G	
RW20L - MALSR, HIRL, C/LINE		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW20C - HIRL, REIL, PAPI-4L		PIR-G	ROLL OUT
RW20R - MALSF, C/LINE, HIRL, PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW31 - HIRL, REIL, PAPI-4R		PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	555.6	60.4			3.00	78.5

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>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-10C	+54C	-10C	+13.81C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 962 HIGH TEMP 1270.

"VISUAL PORTION OF FINAL" PENETRATIONS

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.

100 FT TREES USED PER EASTERN FPT.

TAA NOT DEVELOPED PER ATC REQUEST.

ATC REQUESTS SIMULTANEOUS APPROACH OPERATIONS WITH ALL RWY 20L ILS AND RNAV PROCEDURES.
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	3.72
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.54
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	197.67
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	800
DISTANCE FROM	THLD	TO 1500FT POINT	5.70
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	3.40
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	197.67
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD COORDINATES (IF STR-IN)	360816.23N/0864042.83W
ARP COORDINATES	360728.11N/0864041.45W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 2C DISTANCE 1.35 NM
FAF COORDINATES	361225.05N/0863905.12W
FIX NAME COORDINATES	IF AKUFF 361525.62N/0863754.14W

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
BRITNEY ARMENTROUT	AJV-A422	05/06/2025	AERONAUTICAL INFORMATION SPECIALIST

