

**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.

<b>AIRPORT ID</b> 3B1	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 32	<b>ORIGINAL/AMENDMENT</b> ORIG-A	<b>CITY</b> GREENVILLE	<b>STATE</b> ME
<b>AIRPORT ELEVATION</b> 1402	<b>TDZE</b> 1392	<b>SUPERSEDED</b> RNAV (GPS) RWY 32	<b>DATED</b> 11/30/2023	<b>MAG VAR</b> 18W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b>	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 1995
			<b>CANCEL/SUSPEND</b>	

**TAA**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>ALTITUDE</b>
1. 226/30 CW 045/30	NOPT	226/7 CW 045/7		5800
2. 226/7 CW 045/7		DRVER	IF/IAF	4700
3. 045/30 CW 136/30		045/8 CW 136/8		5400
4. 045/8 CW 136/8		DUMSE	IAF	4900
5. 136/30 CW 226/30		136/8 CW 226/8		7600
6. 136/8 CW 226/8		SMUDG	IAF	5900

**TERMINAL ROUTES**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>LEG TYPE</b>	<b>FO/FB</b>	<b>RNP</b>	<b>COURSE</b>	<b>DISTANCE</b>	<b>ALTITUDE</b>
DUMSE	IAF	DRVER	NOPT	TF	FB	1.00	045.49	7.30	4700
SMUDG	IAF	DRVER	NOPT	TF	FB	1.00	225.61	7.30	4700
DRVER	IF/IAF	WILKO		TF	FB	1.00	315.55	6.00	3600
WILKO	FAF	RW32	MAP	TF	FO	0.30	315.46	6.64	
RW32	MAP	2200 MSL		CA			315.46		2200
2200 MSL		WEIPY		DF	FB	1.00			
WEIPY		WELUG		TF	FO	1.00	313.13	5.57	5100

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW32

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2200 THEN CLIMBING RIGHT TURN TO 5100 DIRECT WEIPY AND ON TRACK 313.13 TO WELUG AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5100.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF** (IAF)
2. HOLD SE DRIVER, RT, 315.55 INBOUND, 4700 IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 315.46                      **FAF:** WILKO                      **DIST FAF TO MAP:** 6.64                      **DIST FAF TO THLD:** 6.64
4. **MIN ALT:** DRIVER 4700, WILKO 3600
5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **275 HAT:** 0.77                      **GS ANT:**
6. **MIN GP INCPT:** 3600                      **GP ALT AT PFAF:** WILKO 3600                      **OM:**                      **MM:**                      **IM:**
7. **GP ANGLE:** 3.10                      **34:1:** IS NOT CLEAR                      **20:1:** IS CLEAR                      **TCH:** 40.0
8. **MSA FROM:**

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
 CHART NOTE: CIRCLING RWY 3, 21 NA AT NIGHT.  
 CHART NOTE: BARO-VNAV NA.  
 CHART NOTE: VDP NA WHEN USING BGR ALTIMETER SETTING.  
 CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE BGR ALTIMETER SETTING: INCREASE LPV DA TO 1952 FEET AND ALL VISIBILITIES 5/8 SM, INCREASE LNAV/VNAV DA TO 2145 FEET AND ALL VISIBILITIES 5/8 SM; INCREASE ALL MDAS 300 FEET AND LNAV ALL VISIBILITIES 1 1/8 SM, AND CIRCLING VISIBILITY CAT A/B 1/4 SM.  
 CHART NOTE: CIRCLING NA NE OF RWY 14-32.

**ADDITIONAL FLIGHT DATA:**

CHART GREENVILLE SPB (K52B)  
 HOLD NW, LT, 148.14 INBOUND.  
 CHART FAS OBST: 1591 TREE (23-062606) 452654N/0692946W.  
 CHART CONDOR 1 MOA.  
 CHART CONDOR 2 MOA.  
 CHART VDP AT 1.95 NM TO RW32.  
 WAAS CHANNEL # 40145  
 REFERENCE PATH ID: W32A  
 LTP HAE: 394.1 M

**MINIMUMS:**

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

**ALTERNATE:** NA

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
LPV DA	1667	1	275	1667	1	275	1667	1	275	1667	1	275			
LNAV/VNAV DA	1860	1 3/8	468	1860	1 3/8	468	1860	1 3/8	468	1860	1 3/8	468			
LNAV MDA	2060	1	668	2060	1	668	2060	1 7/8	668	2060	1 7/8	668			
CIRCLING	2060	1	658	2300	1 1/4	898	2440	3	1038	2660	3	1258			



**CHANGES - REASONS**

1. PROFILE LINE 5: CHANGED FROM "250 HAT: 0.69" TO "275 HAT: 0.77" – LPV MINIMUMS INCREASED.
2. NOTES: CHANGED CHART NOTE FROM "BARO-VNAV AND VDP NA WHEN USING BANGOR ALTIMETER SETTING" TO "VDP NA WHEN USING BGR ALTIMETER SETTING" – IAW 8260.19J 8-6-10.
3. NOTES: REMOVED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23°C OR ABOVE 54°C" AND ADDED "CHART NOTE: BARO-VNAV NA" - PRECIPITOUS TERRAIN IN THE FINAL SEGMENT.
4. NOTES: CHANGES CHART NOTE "WHEN LOCAL ALTIMETER NOT RECEIVED, USE BANGOR ALTIMETER SETTING: INCREASE LPV DA TO 1927 FEET AND ALL VISIBILITIES 1/2 SM, INCREASE LNAV/VNAV DA TO 2095 FEET AND ALL VISIBILITIES 7/8 SM; INCREASE ALL MDAS 300 FEET AND LNAV VISIBILITIES CAT A/B 1/4 SM AND CAT C/D 1/2 SM, AND CIRCLING VISIBILITY CAT A/B 1/4 SM" TO "WHEN LOCAL ALTIMETER NOT RECEIVED, USE BGR ALTIMETER SETTING: INCREASE LPV DA TO 1952 FEET AND ALL VISIBILITIES 5/8 SM, INCREASE LNAV/VNAV DA TO 2145 FEET AND ALL VISIBILITIES 5/8 SM; INCREASE ALL MDAS 300 FEET AND LNAV ALL VISIBILITIES 1 1/8 SM, AND CIRCLING VISIBILITY CAT A/B 1/4 SM" – IAW 8260.19J 8-6-10F(4) AND NEW MINIMUMS.
5. NOTES: ADDED "CHART NOTE: CIRCLING NA NE OF RWY 14-32" – IAW 8260.19J 8-6-12O(5).
6. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP FROM "1.77 NM TO RW32" TO "1.95 NM TO RW32" – NEW LNAV MINIMUMS.
7. MINIMUMS: CHANGED LPV DA/HAT ALL CATS FROM "1642/250" TO "1667/275", LNAV/VNAV DA/HAT ALL CATS FROM "1810/418" TO "1860/468" AND LNAV MDA/HAT ALL CATS FROM "2000/608" TO "2060/668" - PRECIPITOUS TERRAIN IN THE FINAL SEGMENT.
8. MINIMUMS: CHANGED CIRCLING CAT A MDA/HAA FROM "2040/638" TO "2060/658" - IAW 8260.19J 8-7-1 (23).
9. MINIMUMS: CHANGED LNAV/VNAV VISIBILITY ALL CATS FROM "1 1/8" TO "1 3/8" AND LNAV VISIBILITY CATS C AND D FROM "1 3/4" TO "1 7/8" - IAW 8260.3G TABLE 3-3-1.

**COORDINATED WITH:**

**A4A** 
**ALPA** 
**AOPA** 
**APA** 
**HAI** 
**NBAA**

**OTHER:** ZBW, AMGR

**FLIGHT CHECKED BY**

KENNETH E JACK

*Digitally signed by*

**RAKE MCGRAW**

Sep 30, 2025

**OFFICE**

AJF

**DATE**

09/27/2025

**DEVELOPED BY**

RAKE MCGRAW (EMMANUEL R. GONZALES)

*Digitally signed by*

**RAKE MCGRAW**

Sep 30, 2025

**OFFICE**

AJV-A431

**DATE**

07/08/2025

**APPROVED BY**

RAKE MCGRAW

*Digitally signed by*

**RAKE MCGRAW**

Sep 30, 2025

**OFFICE**

AJV-A422

**DATE**

**TITLE**  
MANAGER



AIRPORT ID  
3B1

PROCEDURE NAME  
RNAV (GPS) RWY 32

ORIGINAL/AMENDMENT  
ORIG-A

CITY  
GREENVILLE

STATE  
ME

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	3B1
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	452736.1040N
LTP/FTP LONGITUDE	0693237.6630W
LTP/FTP ELLIPSOIDAL HEIGHT	+03941
FPAP LATITUDE	452817.0290N
FPAP LONGITUDE	0693430.1120W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 3781BAAA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+04187
FPAP ORTHOMETRIC HEIGHT	+04187



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

<u>AIRPORT ID</u> 3B1	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>AMDT NO.</u> ORIG-A	<u>CITY</u> GREENVILLE	<u>STATE</u> ME	<u>AIRPORT ELEVATION</u> 1402	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**STRAIGHT-IN AREA**

<u>FROM</u> 226/30 CW 045/30	<u>TO</u> 226/7 CW 045/7
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	453312.00N/0691436.00W	3724	164	98	4E	2000					5800
TERRAIN	453036.00N/0690812.00W	2982 (3000)								AS1500	4500

**COMPUTATIONS**

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

**STRAIGHT-IN AREA**

<u>FROM</u> 226/7 CW 045/7	<u>TO</u> DRVER
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	452457.00N/0692045.00W	2638	164	98	4E	2000					4700
TERRAIN	452545.00N/0691306.00W	1541 (1500)								AS1500	3000

**COMPUTATIONS**

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



**AIRPORT ID**  
3B1

**PROCEDURE NAME**  
RNAV (GPS) RWY 32

**AMDT NO.**  
ORIG-A

**CITY**  
GREENVILLE

**STATE**  
ME

**AIRPORT ELEVATION**  
1402

**FACILITY**  
RNAV

**LEFT BASE AREA**

**FROM**  
045/30 CW 136/30

**TO**  
045/8 CW 136/8

RNP                      DISTANCE                      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	452903.00N/0694242.00W	3380	164	98	4E	2000					5400
TERRAIN	452903.00N/0694242.00W	3192 (3200)								AS1500	4700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**LEFT BASE AREA**

**FROM**  
045/8 CW 136/8

**TO**  
DUMSE

RNP                      DISTANCE                      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	452457.00N/0692212.00W	2868	164	98	4E	2000					4900
TERRAIN	452239.00N/0692415.00W	1935 (1900)								AS1500	3400

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
3B1

**PROCEDURE NAME**  
RNAV (GPS) RWY 32

**AMDT NO.**  
ORIG-A

**CITY**  
GREENVILLE

**STATE**  
ME

**AIRPORT ELEVATION**  
1402

**FACILITY**  
RNAV

**RIGHT BASE AREA**

**FROM**  
136/30 CW 226/30

**TO**  
136/8 CW 226/8

RNP                      DISTANCE                      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	455415.00N/0685518.00W	5506	164	98	4E	2000					7600
TERRAIN	455418.00N/0685518.00W	5255 (5300)								AS1500	6800

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**RIGHT BASE AREA**

**FROM**  
136/8 CW 226/8

**TO**  
SMUDG

RNP                      DISTANCE                      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	453315.00N/0691445.00W	3895	164	98	4E	2000					5900
TERRAIN	453318.00N/0691448.00W	3648 (3600)								AS1500	5100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
3B1

**PROCEDURE NAME**  
RNAV (GPS) RWY 32

**AMDT NO.**  
ORIG-A

**CITY**  
GREENVILLE

**STATE**  
ME

**AIRPORT ELEVATION**  
1402

**FACILITY**  
RNAV

**INITIAL**

**FROM**  
DUMSE

**TO**  
DRVER

**RNP**  
1.00

**DISTANCE**  
7.30

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	451406.00N/0692112.00W	1503	164	98	4E	1000				AT2197	4700
TERRAIN	451539.00N/0692154.00W	1131 (1100)								AS1500	2600

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL**

**FROM**  
SMUDG

**TO**  
DRVER

**RNP**  
1.00

**DISTANCE**  
7.30

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	452554.00N/0691915.00W	2615	164	98	4E	1000				PR100 AT985	4700
TERRAIN	452700.00N/0691612.00W	2329 (2300)								AS1500	3800

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
3B1

**PROCEDURE NAME**  
RNAV (GPS) RWY 32

**AMDT NO.**  
ORIG-A

**CITY**  
GREENVILLE

**STATE**  
ME

**AIRPORT ELEVATION**  
1402

**FACILITY**  
RNAV

**INTERMEDIATE**

**FROM**  
DRVER (IF/IAF)

**TO**  
WILKO

**RNP**  
1.00

**DISTANCE**  
6.00

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	452457.00N/0692212.00W	2868	164	98	4E	500				AC98 PR70	3600
TERRAIN	452457.00N/0692215.00W	2644 (2600)								AS1000	3600

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LPV**

**FROM**  
WILKO

**TO**  
RW32

**RNP**  
0.30

**DISTANCE**  
6.64

**PAT**

**MAP**  
DA

**HAT**  
275

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE (23-062845)	452729.34N/0693233.42W	1452	20	3	1A		32.90:1			SA-13 MA203 PR25	1667

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
3B1

**PROCEDURE NAME**  
RNAV (GPS) RWY 32

**AMDT NO.**  
ORIG-A

**CITY**  
GREENVILLE

**STATE**  
ME

**AIRPORT ELEVATION**  
1402

**FACILITY**  
RNAV

**FINAL: LNAV/VNAV**

**FROM**  
WILKO

**TO**  
RW32

**RNP**  
0.30

**DISTANCE**  
6.64

**PAT**

**MAP**  
DA

**HAT**  
468

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE (23-062958)	452755.25N/0693247.40W	1510	20	3	1A	161				MA146 PR43	1860

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LNAV**

**FROM**  
WILKO

**TO**  
RW32

**RNP**  
0.30

**DISTANCE**  
6.64

**PAT**

**MAP**  
RW32

**HAT**  
668

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE (23-062606)	452654.42N/0692945.95W	1591	20	3	1A	250				XL33 MA126 PR60	2060

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
3B1

**PROCEDURE NAME**  
RNAV (GPS) RWY 32

**AMDT NO.**  
ORIG-A

**CITY**  
GREENVILLE

**STATE**  
ME

**AIRPORT ELEVATION**  
1402

**FACILITY**  
RNAV

**HOLD-IN-LIEU OF PT**

**FROM**  
DRVER **TO**  
P-6

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
P-6

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	452457.00N/0692212.00W	2868	164	98	4E	1000				AT832	4700
TERRAIN	452457.00N/0692215.00W	2644 (2600)								AS1500	4100

**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**  
WELUG

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
0.30 1444

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
ANTENNA (23-040295)	452933.60N/0693405.62W	1991	20	10	1B		ASC				5100
AAO	452933.00N/0694157.00W	2635	215	8	4B	1000					3700
TERRAIN	452936.00N/0694200.00W	2423 (2400)								AS1500	3900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

5100 MISSED APPROACH ALTITUDE DUE TO 3615 (3600) MSL TERRAIN 454600.00N/0701218.00W IN CIH PATTERN.



**AIRPORT ID**  
3B1

**PROCEDURE NAME**  
RNAV (GPS) RWY 32

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ORIG-A

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**STATE**  
ME

**AIRPORT ELEVATION**  
1402

**FACILITY**  
RNAV

**MISSED APPROACH: LNAV/VNAV**

**FROM**  
DA **TO**  
WELUG

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
0.30 1649

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
ANTENNA (23-040295)	452933.60N/0693405.62W	1991	20	10	1B		ASC				5100
AAO	452933.00N/0694157.00W	2635	215	8	4B	1000					3700
TERRAIN	452936.00N/0694200.00W	2423 (2400)								AS1500	3900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

5100 MISSED APPROACH ALTITUDE DUE TO 3615 (3600) MSL TERRAIN 454600.00N/0701218.00W IN CIH PATTERN.

**MISSED APPROACH: LNAV**

**FROM**  
RW32 **TO**  
WELUG

**RNP** **DISTANCE** **PAT** **MAP** **HAT** **HMAS**  
0.30-1.00 1867

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
ANTENNA (23-040295)	452933.60N/0693405.62W	1991	20	10	1B		ASC				5100
AAO	452933.00N/0694157.00W	2635	215	8	4B	1000					3700
TERRAIN	452936.00N/0694200.00W	2423 (2400)								AS1500	3900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

5100 MISSED APPROACH ALTITUDE DUE TO 3615 (3600) MSL TERRAIN 454600.00N/0701218.00W IN CIH PATTERN.



**AIRPORT ID**  
3B1

**PROCEDURE NAME**  
RNAV (GPS) RWY 32

**AMDT NO.**  
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**STATE**  
ME

**AIRPORT ELEVATION**  
1402

**FACILITY**  
RNAV

**CIRCLING**  ALL CATS  CAT A  CAT B  CAT C  CAT D  CAT E  NOT AUTHORIZED

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>RADIUS</b>	<b>HAA</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
CATEGORY A											
TREE	452724.00N/0693312.00W	1.31	658	1501	215	8	4B	300		SI/XP239	2060
CATEGORY B											
TREE (23-062597)	452706.30N/0693032.34W	1.85	898	1513	20	3	1A	300		XP487	2300
CATEGORY C											
TOWER (23-000352)	452501.10N/0693503.11W	2.92	1038	1790	250	50	4D	300		XP350	2440
CATEGORY D											
TREE	452800.00N/0693851.00W	3.84	1258	1977	215	8	4B	300		XP383	2660

**CIRCLING REMARKS:**

XP - TO MATCH PREVIOUS MINIMUMS PER MANAGER.

**MSA/ESA**

**CENTER**

**RADIUS**

**REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**



**AIRPORT ID**  
3B1

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ME

**AIRPORT ELEVATION**  
1402

**FACILITY**  
RNAV

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

ZBW ARTCC, BANGOR FSS

**WX SERVICE**  
AWOS-A

**LOCATION**  
3B1

**HRS OPERATION**  
24

**ALTIMETER SOURCE**  
3B1

**DISTANCE**

**WMSCR**  
N

**ADJUSTMENTS**  
0

**BACK-UP WX SERVICE**  
ASOS

**LOCATION**  
BGR

**HRS OPERATION**  
24

**ALTIMETER SOURCE**  
BGR

**DISTANCE**  
49.91

**WMSCR**  
Y

**ADJUSTMENTS**  
285

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME  
K3B1 1402, KBGR 192  
RA = 284.2.

**PRIMARY NAVAID**

**MONITOR POINT**

**HRS OPERATION**

**CAT**

<b>APPROACH AND RUNWAY LIGHTING SYSTEM</b>	<b>RUNWAY MARKINGS</b>	<b>RUNWAY VISUAL RANGE</b>
RW03	BSC-P	
RW21	BSC-P	
RW14 - MIRL (PCL), REIL (PCL), PAPI-4R (PCL)	NPI-P	
RW32 - MIRL (PCL), PAPI-4L (PCL)	NPI-P	

**GLIDESLOPE ANGLE**  
3.10

**ELEV RWY THRESHOLD**  
1373.6

**TCH**  
40.0

**ELEV GS ANTENNA**

**DISTANCE FROM RWY**

**VGSI ANGLE**  
3.10

**TCH**  
40.0

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD  
ON CENTERLINE

FT FROM THRESHOLD  
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

**CRITICAL TEMPERATURES**

**CRITICAL LOW**  
-23C

**CRITICAL HIGH**  
+54C

**ACT**  
-23C

**APT ISA**  
+12.22C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM 4-YEAR HISTORY (2019-2022).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 1007 HIGH TEMP 1285.

**"VISUAL PORTION OF FINAL" PENETRATIONS**

FINAL TYPE	LPV, LNAV/VNAV, AND LNAV.
34:1	
1410 TREE (23-062618) 452729.8100N/0693221.9700W (4.45)	1407 TREE (23-062799) 452729.0400N/0693223.4400W (3.13)
1409 TREE (23-062610) 452729.7000N/0693221.8100W (3)	1408 TREE (23-062503) 452730.1800N/0693221.9800W (2.98)

QUALITY  
13  
CHECKED

**AIRPORT ID**  
3B1

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RNAV

1406 TREE (23-062710) 452728.5600N/0693224.1000W (2.7)	1417 TREE (23-062494) 452726.0300N/0693220.0200W (2.64)
1406 TREE (23-062493) 452729.3300N/0693222.8800W (1.49)	1390 TREE (23-062764) 452730.5700N/0693229.9600W (0.37)
1406 TREE (23-062574) 452729.4700N/0693222.1000W (0.23)	

**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.

100 FT VEGETATION USED PER FPT.

VGS PENETRATIONS (23-062933 AND 23-062806) ARE ACCEPTABLE OBSTACLES, CONFIRMED RUNWAY LIGHTS PER AIRPORT MANAGMENT.

CIRCLING RWY 3, 21 NA AT NIGHT (NO SURVEY - 20:1 PENETRATIONS ASSUMED).

WAIVER: REQUEST TO NOT DEVELOP CAPTURE FIX IAW FAAO 8260.58B, APPENDIX C.PARA 2A(1) - INTERMEDIATE IS STRAIGHT-IN ALIGNED/NO TURNS

ORDER 8260.3 CHAPTER 2 APPLIED TO 2200 AAO 452449.19N/0692352.50W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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3B1

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FACILITY  
RNAV

**PART D: AIRSPACE**

**DOCKET #**

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

<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1000FT POINT</b>	4.82
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1000FT POINT</b>	1.20
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	297.46
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	2000
<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1500FT POINT</b>	10.44
<b>WIDTH OF</b>	<b>INTERMEDIATE</b>	<b>SEGMENT AT 1500FT POINT</b>	4.00
<b>TRUE COURSE OF</b>	<b>INTERMEDIATE</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	297.55
<b>HIGH TERRAIN IN</b>	<b>INTERMEDIATE</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	2600

<b>THRESHOLD COORDINATES (IF STR-IN)</b>	452736.10N/0693237.66W
<b>ARP COORDINATES</b>	452746.19N/0693305.94W
<b>RUNWAY APCH END AND DIST FURTHEST FROM ARP</b>	
<b>FAF COORDINATES</b>	452432.64N/0692415.16W
<b>FIX NAME COORDINATES</b>	

**REMARKS**

IAF DUMSE 451518.04N 0692128.87W 30 NM RADIUS  
IAF SMUDG 452814.58N 0691154.23W 30 NM RADIUS  
IF/IAF DRIVER 452146.42N 0691642.10W 30 NM RADIUS

**PART E: PREPARED BY**

<b>NAME</b>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
RAKE MCGRAW (EMMANUEL R. GONZALES)	AJV-A431	07/08/2025	AERONAUTICAL INFORMATION SPECIALIST

