

**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><br>BED        | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 29 | <u>ORIGINAL/AMENDMENT</u><br>ORIG | <u>CITY</u><br>BEDFORD                    | <u>STATE</u><br>MA        |
| <u>AIRPORT ELEVATION</u><br>132 | <u>TDZE</u><br>128                         | <u>SUPERSEDED</u>                 | <u>ORIGINAL/AMENDMENT</u><br>NONE         | <u>DATED</u>              |
| <u>FACILITY</u><br>RNAV         | <u>COORDINATES OF FACILITIES</u>           | <u>ACTUAL EFFECTIVE DATE</u>      | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>MAG VAR</u><br>16W     |
|                                 |                                            |                                   |                                           | <u>EPOCH YEAR</u><br>1995 |
|                                 |                                            |                                   |                                           | <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> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| LWRNC       | IAF             | BYLND     |                 | TF              | FB           | 1.00       | 196.72        | 11.60           | 2000            |
| RIKAH       | IAF             | ONEIF     |                 | TF              | FB           | 1.00       | 087.83        | 11.39           | 2000            |
| ONEIF       |                 | BYLND     |                 | TF              | FB           | 1.00       | 154.39        | 5.08            | 2000            |
| BYLND       | IF              | TWOIF     |                 | TF              | FB           | 1.00       | 219.13        | 4.94            | 1700            |
| TWOIF       |                 | BYSEA     |                 | TF              | FB           | 1.00       | 275.20        | 2.08            | 1400            |
| BYSEA       | FAF             | RW29      | MAP             | TF              | FO           | 0.30       | 290.20        | 3.85            |                 |
| RW29        | MAP             | 600 MSL   |                 | CA              |              |            | 290.20        |                 | 600             |
| 600 MSL     |                 | SOSYO     |                 | DF              | FO           | 1.00       |               |                 | 2000            |

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW29

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2000 DIRECT SOSYO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
2. PROFILE STARTS AT BYLND
3. FAC: 290.20 FAF: BYSEA DIST FAF TO MAP: 3.85 DIST FAF TO THLD: 3.85
4. MIN ALT: BYLND 2000, TWOIF 1700, BYSEA 1400
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.64 GS ANT:
6. MIN GP INCPT: 1400 GP ALT AT PFAF: BYSEA 1400 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 52.0
8. MSA FROM: RW29 3300

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CATS C AND D VISIBILITY TO 1 5/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 293.00 INBOUND.  
FAS OBST: 447 AAO 422742N/0711154W.  
CHART VDP AT 1.64 NM TO RW29.  
WAAS CHANNEL # 87047  
REFERENCE PATH ID: W29A  
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.00 DEGREES.  
LTP HAE: 9.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, 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       | 378    | 1/2 | 250     | 378    | 1/2 | 250     | 378    | 1/2   | 250     | 378    | 1/2   | 250     |        |     |         |
| LNAV/VNAV DA | 639    | 1   | 511     | 639    | 1   | 511     | 639    | 1     | 511     | 639    | 1     | 511     |        |     |         |
| LNAV MDA     | 700    | 1/2 | 572     | 700    | 1/2 | 572     | 700    | 1 1/4 | 572     | 700    | 1 1/4 | 572     |        |     |         |
| CIRCLING     | 720    | 1   | 588     | 720    | 1   | 588     | 880    | 2 1/4 | 748     | 920    | 2 1/2 | 788     |        |     |         |

CHANGES - REASONS

ORIGINAL PROCEDURE

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZBW, BOS APP CON, BED ATCT, BED AMGR

FLIGHT CHECKED BY

OFFICE DATE

DEVELOPED BY  
CASIMIR L. TABAKA (BARBARA GORMAN)

OFFICE  
AJV-A432  
DATE  
05/27/2025

APPROVED BY  
CASIMIR L. TABAKA

OFFICE  
AJV-A430  
DATE  
TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

| DATA FIELD                               | DATA          |
|------------------------------------------|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KBED          |
| RUNWAY                                   | RW29          |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W29A          |
| LTP/FTP LATITUDE                         | 422809.9695N  |
| LTP/FTP LONGITUDE                        | 0711628.4155W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | +00098        |
| FPAP LATITUDE                            | 422816.3865N  |
| FPAP LONGITUDE                           | 0711828.4945W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00052.0       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.00         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0000          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 50.0          |
| CRC REMAINDER                            | DA167B89      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K6     |
| LTP ORTHOMETRIC HEIGHT  | +00375 |
| FPAP ORTHOMETRIC HEIGHT | +00375 |



**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> |
|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| BED               | RNAV (GPS) RWY 29     | ORIG            | BEDFORD     | MA           | 132                      | RNAV            |

**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL**

**FROM** LWRNC **TO** BYLND

**RNP** 1.00 **DISTANCE** 11.60 **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                | 423827.00N/0710624.00W | 617             | 215         | 8           | 4B        | 1000       |            |           |             | AT383              | 2000           |
| TERRAIN            | 423827.00N/0710627.00W | 416 (400)       |             |             |           |            |            |           |             | AS1000             | 1400           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL**

**FROM** RIKAH **TO** ONEIF

**RNP** 1.00 **DISTANCE** 11.39 **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                | 423436.00N/0712633.00W | 666             | 215         | 8           | 4B        | 1000       |            |           |             | AT334              | 2000           |
| TERRAIN            | 423506.00N/0712154.00W | 403 (400)       |             |             |           |            |            |           |             | AS1000             | 1400           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



INITIAL: STEPDOWN

FROM

ONEIF

TO

BYLND

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|------------|------------|-------------|-----------|-------------|--------------------|----------------|
| 1.00               | 5.08                   |                 |             |             |            |            |             |           |             |                    |                |
| <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                | 423627.00N/0710857.00W | 456             | 215         | 8           | 4B         | 1000       |             |           |             | AT544              | 2000           |
| TERRAIN            | 423627.00N/0710857.00W | 255 (300)       |             |             |            |            |             |           |             | AS1000             | 1300           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

BYLND

TO

TWOIF

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|------------|------------|-------------|-----------|-------------|--------------------|----------------|
| 1.00               | 4.94                   |                 |             |             |            |            |             |           |             |                    |                |
| <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                | 422754.00N/0710624.00W | 506             | 215         | 8           | 4B         | 500        |             |           |             | AT694              | 1700           |
| TERRAIN            | 422754.00N/0710624.00W | 305 (300)       |             |             |            |            |             |           |             | AS1000             | 1300           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

TWOIF

TO

BYSEA

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|------------|------------|-------------|-----------|-------------|--------------------|----------------|
| 1.00               | 2.08                   |                 |             |             |            |            |             |           |             |                    |                |
| <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 (25-000072)  | 422719.76N/0711045.99W | 649             | 20          | 3           | 1A         | 500        |             |           |             |                    | 1200           |
| TERRAIN            | 422648.00N/0711054.00W | 354 (400)       |             |             |            |            |             |           |             | AS1000             | 1400           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

BYSEA

TO

RW29

| <u>RNP</u>         | <u>DISTANCE</u>    | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            | <u>HMAS</u> |           |             |                    |                |
|--------------------|--------------------|-----------------|-------------|-------------|------------|------------|-------------|-----------|-------------|--------------------|----------------|
| 0.30               | 3.85               |                 | DA          |             | 250        |            |             |           |             |                    |                |
| <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         |           |             |                    | 378            |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

BYSEA

TO

RW29

| <u>RNP</u> | <u>DISTANCE</u> | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | <u>HMAS</u> |
|------------|-----------------|------------|------------|------------|-------------|
| 0.30       | 3.85            |            | DA         | 511        |             |

| <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               | 422730.00N/0711439.00W | 324             | 250         | 10          | 4B        |            | 23.86:1    |           |             |                    | 639            |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

BYSEA

TO

RW29

| <u>RNP</u> | <u>DISTANCE</u> | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | <u>HMAS</u> |
|------------|-----------------|------------|------------|------------|-------------|
| 0.30       | 3.85            |            | RW29       | 572        |             |

| <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                | 422742.00N/0711154.00W | 447             | 215         | 8           | 4B        | 250        |            |           |             |                    | 700            |

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

SOSYO

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               |                        |                 |             |             |           |            |            | 188         |             |                    |                |
| <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        |             |             |                    | 2000           |
| AAO                | 423024.00N/0712633.00W | 581             | 215         | 8           | 4B        | 1000       |            |             |             |                    | 1600           |
| TERRAIN            | 422842.00N/0712342.00W | 360 (400)       |             |             |           |            |            |             |             | AS1000             | 1400           |

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

SOSYO

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               |                        |                 |             |             |           |            |            | 478         |             |                    |                |
| <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        |             |             |                    | 2000           |
| AAO                | 423024.00N/0712633.00W | 581             | 215         | 8           | 4B        | 1000       |            |             |             |                    | 1600           |
| TERRAIN            | 422842.00N/0712342.00W | 360 (400)       |             |             |           |            |            |             |             | AS1000             | 1400           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW29

TO

SOSYO

| <u>RNP</u><br>0.30-1.00 | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           | <u>HAT</u> | <u>HMAS</u><br>600 |           |             |                    |                |
|-------------------------|------------------------|-----------------|-------------|-------------|-----------|------------|--------------------|-----------|-------------|--------------------|----------------|
| <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                |           |             |                    | 2000           |
| AAO                     | 423024.00N/0712633.00W | 581             | 215         | 8           | 4B        | 1000       |                    |           |             |                    | 1600           |
| TERRAIN                 | 422842.00N/0712342.00W | 360 (400)       |             |             |           |            |                    |           |             | AS1000             | 1400           |

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          |                        |        |     |          |      |      |    |     |     |             |         |
| ANTENNA (25-034382) | 422724.08N/0711559.43W | 1.30   | 588 | 414      | 20   | 10   | 1B | 300 |     |             | 720     |
| CATEGORY B          |                        |        |     |          |      |      |    |     |     |             |         |
| TREE (25-051223)    | 422603.61N/0711810.45W | 1.81   | 588 | 420      | 20   | 10   | 1B | 300 |     |             | 720     |
| CATEGORY C          |                        |        |     |          |      |      |    |     |     |             |         |
| TOWER (25-022505)   | 422923.66N/0711312.00W | 2.84   | 748 | 566      | 20   | 3    | 1A | 300 |     |             | 880     |
| CATEGORY D          |                        |        |     |          |      |      |    |     |     |             |         |
| TOWER (25-025110)   | 422927.04N/0711255.00W | 3.71   | 788 | 570      | 250  | 50   | 4D | 300 |     | AC50        | 920     |

CIRCLING REMARKS:

MSA

CENTER

RW29

RADIUS

25

| SECTOR  | OBSTRUCTION | COORDINATES            | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | AAO         | 422921.00N/0715312.00W | 289     | 27.2     | 2205     | 215  | 8    | 4B | 1000 |     |             | 3300    |

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION HEIGHT 100 FEET PER FPT.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

|                           |                 |                      |                         |                 |              |                    |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|--------------|--------------------|
| <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                      | BED             | 24                   | BED                     |                 | 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> |
| ASOS                      | BOS             | 24                   | BOS                     | 14.08           | Y            | 47                 |

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
KBED 132, KBOS 30  
RA = 46.5.

| <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> |            |
| RW05 - REIL (PCL), MIRL (PCL), PAPI-4L     | NPI-G                  |                            |            |
| RW23 - REIL (PCL), MIRL (PCL), PAPI-4R     | NPI-G                  |                            |            |
| RW11 - MALSR (PCL), HIRL (PCL), PAPI-4L    | PIR-G                  | APPROACH                   |            |
| RW29 - MALSR (PCL), HIRL (PCL), PAPI-4R    | PIR-G                  | ROLL OUT                   |            |

|                         |                           |            |                        |                          |                   |            |
|-------------------------|---------------------------|------------|------------------------|--------------------------|-------------------|------------|
| <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                    | 123.0                     | 52.0       |                        |                          | 3.00              | 52.0       |

FINAL APPROACH COURSE AIMING

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

CRITICAL TEMPERATURES

|                     |                      |            |                |
|---------------------|----------------------|------------|----------------|
| <u>CRITICAL LOW</u> | <u>CRITICAL HIGH</u> | <u>ACT</u> | <u>APT ISA</u> |
| -19C                | +54C                 | -19C       | +14.74C        |

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 956 HIGH TEMP 1262.

"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.

PROCEDURE DESIGN AND OFFSET DUE TO ATC REQUIREMENT TO STAY 9.5NM AWAY FROM BOS VOR/DME.

CONTINGENCY NOTES:  
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BOS ALTIMETER SETTING AND INCREASE LPV DA TO 425 FEET; INCREASE LNAV/VNAV DA TO 686 FEET AND VISIBILITY ALL CATS 1/8 SM; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM.  
BARO-VNAV AND VDP NA WITH BOS ALTIMETER SETTING.  
FOR INOPERATIVE ALS WHEN USING BOS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM, AND LNAV CATS C AND D VISIBILITY TO 1 3/4 SM.  
ORDER 8260.3 CHAPTER 2 APPLIED TO 555 AAO 422648.00N/0711054.00W.

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                 | 3.53   |
| WIDTH OF        | FINAL        | SEGMENT AT 1000FT POINT         | 1.84   |
| TRUE COURSE OF  | FINAL        | SEGMENT CONTAINING 1000FT POINT | 274.20 |
| HIGH TERRAIN IN | FINAL        | SEGMENT CONTAINING 1000FT POINT | 300    |
| DISTANCE FROM   | THLD         | TO 1500FT POINT                 | 5.42   |
| WIDTH OF        | INTERMEDIATE | SEGMENT AT 1500FT POINT         | 4.00   |
| TRUE COURSE OF  | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 259.20 |
| HIGH TERRAIN IN | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 400    |

|                                            |                            |
|--------------------------------------------|----------------------------|
| THRESHOLD COORDINATES (IF STR-IN)          | 422809.97N/0711628.42W     |
| ARP COORDINATES                            | 422811.80N/0711720.40W     |
| RUNWAY APCH END AND DIST FURTHEST FROM ARP | RUNWAY 29 DISTANCE 0.64 NM |
| FAF COORDINATES                            | 422753.18N/0711117.39W     |
| FIX NAME COORDINATES                       |                            |

REMARKS

PART E: PREPARED BY

|                                    |          |            |                                     |
|------------------------------------|----------|------------|-------------------------------------|
| NAME                               | OFFICE   | DATE       | TITLE                               |
| CASIMIR L. TABAKA (BARBARA GORMAN) | AJV-A432 | 05/27/2025 | AERONAUTICAL INFORMATION SPECIALIST |