

**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><u>AIRPORT ID</u></b><br>7S6         | <b><u>PROCEDURE NAME</u></b><br>RNAV (GPS) RWY 19 | <b><u>ORIGINAL/AMENDMENT</u></b><br>ORIG | <b><u>CITY</u></b><br>WHITE SULPHUR SPRINGS      | <b><u>STATE</u></b><br>MT        |
| <b><u>AIRPORT ELEVATION</u></b><br>5065 | <b><u>TDZE</u></b><br>5049                        | <b><u>SUPERSEDED</u></b>                 | <b><u>ORIGINAL/AMENDMENT</u></b><br>NONE         | <b><u>DATED</u></b>              |
| <b><u>FACILITY</u></b><br>RNAV          | <b><u>COORDINATES OF FACILITIES</u></b>           | <b><u>ACTUAL EFFECTIVE DATE</u></b>      | <b><u>REQUIRED EFFECTIVE DATE</u></b><br>ROUTINE | <b><u>MAG VAR</u></b><br>11E     |
|   |   |  |  | <b><u>EPOCH YEAR</u></b><br>2025 |
|   |   |  |  | <b><u>CANCEL/SUSPEND</u></b>     |

**TAA**

| <u>FROM</u>         | <u>FIX TYPE</u> | <u>TO</u>      | <u>FIX TYPE</u> | <u>ALTITUDE</u> |
|---------------------|-----------------|----------------|-----------------|-----------------|
| 1. 083/30 CW 263/30 | NOPT            | 083/5 CW 263/5 |                 | 11400           |
| 2. 263/5 CW 083/5   |                 | WAWWO          | IF/IAF          | 10500           |
| 3. 263/30 CW 083/30 |                 | 263/5 CW 083/5 |                 | 11700           |
| 4. 083/5 CW 263/5   |                 | WAWWO          | IF/IAF          | 10500           |

**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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| WAWWO                 | IF/IAF          | HAKMU                 |                 | TF              | FB           | 1.00       | 173.46        | 5.70            | 8400            |
| HAKMU                 |                 | DUSTS                 | PFAF            | TF              | FB           | 1.00       | 173.45        | 2.50            | 8200            |
| DUSTS                 | FAF             | WHELK/5.20 NM TO RW19 |                 | TF              | FB           | 0.30       | 188.46        | 4.57            |                 |
| WHELK/5.20 NM TO RW19 |                 | RW19                  | MAP             | TF              | FO           | 0.30       | 188.46        | 5.20            |                 |
| RW19                  | MAP             | 5700 MSL              |                 | CA              |              |            | 188.46        |                 |                 |
| 5700 MSL              |                 | DAWHO                 |                 | DF              | FB           | 1.00       |               |                 |                 |
| DAWHO                 |                 | CONNS                 |                 | TF              | FO           | 1.00       | 207.32        | 4.93            | 10000           |

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW19

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 5700 THEN CLIMB TO 10000 DIRECT DAWHO AND ON TRACK 207.32 TO CONNS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
39  
CHECKED

PROFILE:

|    |  |   |                 |              |                  |          |                   |      |          |      |         |  |  |     |  |
|----|--|---|-----------------|--------------|------------------|----------|-------------------|------|----------|------|---------|--|--|-----|--|
| 1. | PT   | SIDE OF COURSE  | OUTBOUND        | FT WITHIN    | MILES OF         | (IAF)    |                   |      |          |      |         |  |  |     |  |
| 2. | HOLD N WAWWO, RT, 173.46 INBOUND, 10500 FT. IN LIEU OF PT (IF/IAF), MAX 10500. |   |                 |              |                  |          |                   |      |          |      |         |  |  |     |  |
| 3. | FAC:   | 188.46  | FAF:            | DUSTS        | DIST FAF TO MAP: | 9.77     | DIST FAF TO THLD: | 9.77 |          |      |         |  |  |     |  |
| 4. | MIN ALT:   | WAWWO 10500, HAKMU 8400, DUSTS 8200, WHELK/5.20 NM TO RW19 6740 |                 |              |                  |          |                   |      |          |      |         |  |  |     |  |
| 5. | DIST TO THLD FROM OM:  |   | MM:             |              | IM:              |          | 150 HAT:          |      | 366 HAT: | 1.04 | GS ANT: |  |  |     |  |
| 6. | MIN GP INCPT:  | 8200  | GP ALT AT PFAF: | DUSTS 8200   |                  |          |                   |      | OM:      |      | MM:     |  |  | IM: |  |
| 7. | GP ANGLE:  | 3.00  | 34:1:           | IS NOT CLEAR | 20:1:            | IS CLEAR | TCH:              | 35.0 |          |      |         |  |  |     |  |
| 8. | MSA FROM:  |   |                 |              |                  |          |                   |      |          |      |         |  |  |     |  |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25°C OR ABOVE 54°C.  
CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: CIRCLING NA TO RWYS 13 AND 31.  
CHART NOTE: CIRCLING NA FOR CATS C AND D E OF RWY 01-19.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 044.00 INBOUND.  
FAS OBST: 5611 AAO 463430N/1105245W.  
CHART VDP AT 2.48 NM TO RW19.  
WAAS CHANNEL # 65648  
REFERENCE PATH ID: W19A  
CHART AT OR ABOVE 10500 AT WAWWO.  
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.00 DEGREES.  
LTP HAE: 1527.3 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 900-2 3/4

| 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       | 5415   | 1     | 366     | 5415   | 1     | 366     | 5415   | 1     | 366     | 5415   | 1     | 366     |        |     |         |
| LNAV/VNAV DA | 5495   | 1 3/8 | 446     | 5495   | 1 3/8 | 446     | 5495   | 1 3/8 | 446     | 5495   | 1 3/8 | 446     |        |     |         |
| LNAV MDA     | 5880   | 1     | 831     | 5880   | 1 1/4 | 831     | 5880   | 2 1/2 | 831     | 5880   | 2 1/2 | 831     |        |     |         |
| CIRCLING     | 5880   | 1 1/4 | 815     | 5920   | 1 1/4 | 855     | 5920   | 2 1/2 | 855     | 5920   | 2 3/4 | 855     |        |     |         |

CHANGES - REASONS



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZLC, BZN, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY  
DANIEL WESTON

Digitally signed by  
DANIEL L WESTON  
Jul 25, 2024

OFFICE  
AJV-A422

DATE  
03/08/2024

APPROVED BY  
RAKE MCGRAW

OFFICE  
AJV-A422

DATE

TITLE  
MANAGER

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  
7S6  
RW19  
0  
0  
W19A  
463008.9560N  
1105428.2680W  
+15273  
462844.9440N  
1105511.0930W  
00035.0  
F  
03.00  
106.75  
0000  
40.0  
50.0

CRC REMAINDER

EEEE0912

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE  
LTP ORTHOMETRIC HEIGHT  
FPAP ORTHOMETRIC HEIGHT

K1  
+15388  
+15388



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

|                          |  |                         |                                      |                    |                                  |                         |
|--------------------------|--|-------------------------|--------------------------------------|--------------------|----------------------------------|-------------------------|
| <u>AIRPORT ID</u><br>7S6 | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 19 | <u>AMDT NO.</u><br>ORIG | <u>CITY</u><br>WHITE SULPHUR SPRINGS | <u>STATE</u><br>MT | <u>AIRPORT ELEVATION</u><br>5065 | <u>FACILITY</u><br>RNAV |
|--------------------------|--|-------------------------|--------------------------------------|--------------------|----------------------------------|-------------------------|

**PART A: OBSTRUCTION DATA SEGMENTS**

**STRAIGHT-IN AREA**

**FROM**  
083/30 CW 263/30

**TO**  
083/5 CW 263/5

| <u>RNP</u>         | <u>DISTANCE</u>        | <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                | 465806.00N/1103624.00W | 9380            | 215         | 8           | 4B        | 2000       |            |           |             |                    | 11400          |
| TERRAIN            | 465806.00N/1103624.00W | 9179 (9200)     |             |             |           |            |            |           |             | AS1500             | 10700          |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**STRAIGHT-IN AREA**

**FROM**  
263/5 CW 083/5

**TO**  
WAWWO

| <u>RNP</u>         | <u>DISTANCE</u>        | <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                | 465018.00N/1104306.00W | 8396            | 215         | 8           | 4B        | 2000       |            |             |             | AT104              | 10500          |
| TERRAIN            | 465018.00N/1104306.00W | 8195 (8200)     |             |             |           |            |            |             |             | AS1500             | 9700           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



STRAIGHT-IN AREA

FROM

263/30 CW 083/30

TO

263/5 CW 083/5

| <u>RNP</u>         | <u>DISTANCE</u>        | <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                | 462557.00N/1111109.00W | 9692            | 215         | 8           | 4B        | 2000       |            |             |             |                    | 11700          |
| TERRAIN            | 462554.00N/1111112.00W | 9491 (9500)     |             |             |           |            |            |             |             | AS1500             | 11000          |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM

083/5 CW 263/5

TO

WAWWO

| <u>RNP</u>         | <u>DISTANCE</u>        | <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                | 465018.00N/1104306.00W | 8396            | 215         | 8           | 4B        | 2000       |            |             |             | AT104              | 10500          |
| TERRAIN            | 464715.00N/1104357.00W | 7913 (7900)     |             |             |           |            |            |             |             | AS1500             | 9400           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

WAWWO (IF/IAF)

TO

HAKMU

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            | <u>HMAS</u> |           |             |                      |                |
|--------------------|------------------------|-----------------|-------------|-------------|------------|------------|-------------|-----------|-------------|----------------------|----------------|
| 1.00               | 5.70                   |                 |             |             |            |            |             |           |             |                      |                |
| <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                | 464421.00N/1104612.00W | 7609            | 215         | 8           | 4B         | 500        |             |           |             | SA-35 PR150<br>AT176 | 8400           |
| TERRAIN            | 464415.00N/1104618.00W | 7326 (7300)     |             |             |            |            |             |           |             | AS1000               | 8300           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

HAKMU

TO

DUSTS

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             | <u>HAT</u> |            | <u>HMAS</u> |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|------------|------------|-------------|-----------|-------------|--------------------|----------------|
| 1.00               | 2.50                   |                 |             |             |            |            |             |           |             |                    |                |
| <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                | 464221.00N/1104833.00W | 6903            | 215         | 8           | 4B         | 500        |             |           |             | PR110 AT687        | 8200           |
| TERRAIN            | 464145.00N/1104833.00W | 6571 (6600)     |             |             |            |            |             |           |             | AS1500             | 8100           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

DUSTS

TO

RW19

| <u>RNP</u>                    | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|-------------------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30                          | 9.77                   |                 | DA          |             |           |            | 366        |             |             |                    |                |
| <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> |
| TRANSMISSION_LINE (30-101095) | 463026.81N/1105416.57W | 5107            | 20          | 3           | 1A        |            | 34.00:1    |             |             |                    | 5415           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

DUSTS

TO

RW19

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 9.77                   |                 | DA          |             |           |            | 446        |             |             |                    |                |
| <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               | 463100.00N/1105309.00W | 5180            | 215         | 8           | 4B        |            | 23.44:1    |             |             |                    | 5495           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

DUSTS

TO

WHELK/5.20 NM TO RW19

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    | CHECKED        |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               | 4.57                   |                 |             |             |           |            |            |             |             |                    |                |
| <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                | 463851.00N/1105115.00W | 6283            | 215         | 8           | 4B        | 250        |            |             |             | XL189              | 6740           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

WHELK/5.20 NM TO RW19

TO

RW19

| RNP  | DISTANCE | PAT | MAP  | HAT | HMAS |
|------|----------|-----|------|-----|------|
| 0.30 | 5.20     |     | RW19 | 831 |      |

| OBSTRUCTION | COORDINATES            | ELEV MSL | HORZ | VERT | AC | ROC | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------|------------------------|----------|------|------|----|-----|-----|----|------|-------------|---------|
| AAO         | 463430.00N/1105245.00W | 5611     | 215  | 8    | 4B | 250 |     |    |      |             | 5880    |

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

WAWWO

TO

P-10

| RNP | DISTANCE | PAT  | MAP | HAT | HMAS |
|-----|----------|------|-----|-----|------|
|     |          | P-10 |     |     |      |

| OBSTRUCTION | COORDINATES            | ELEV MSL    | HORZ | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------|------------------------|-------------|------|------|----|------|-----|----|------|-------------|---------|
| AAO         | 465636.00N/1104133.00W | 8809        | 215  | 8    | 4B | 1000 |     |    |      | PR350 AT341 | 10500   |
| TERRAIN     | 465636.00N/1104133.00W | 8608 (8600) |      |      |    |      |     |    |      | AS1500      | 10100   |

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

CONNS

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               |                        |                 |             |             |           |            |            |             |             | 5177               |                |
| <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        |             |             |                    | 10000          |
| AAO                | 461803.00N/1110712.00W | 7815            | 215         | 8           | 4B        | 1000       |            |             |             | SA-221 PR150       | 8800           |
| TERRAIN            | 461730.00N/1110700.00W | 7125 (7100)     |             |             |           |            |            |             |             | AS1500             | 8600           |

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

CONNS

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30               |                        |                 |             |             |           |            |            |             |             | 5334               |                |
| <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        |             |             |                    | 10000          |
| AAO                | 461803.00N/1110712.00W | 7815            | 215         | 8           | 4B        | 1000       |            |             |             | SA-221 PR150       | 8800           |
| TERRAIN            | 461730.00N/1110700.00W | 7125 (7100)     |             |             |           |            |            |             |             | AS1500             | 8600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW19

TO

CONNS

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  |             |           |            | <u>HAT</u> | <u>HMAS</u> |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-------------|-------------|--------------------|----------------|
| 0.30-1.00          |                        |                 |             |             |           |            |            |             |             | 5780               |                |
| <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        |             |             |                    | 10000          |
| AAO                | 461803.00N/1110712.00W | 7815            | 215         | 8           | 4B        | 1000       |            |             |             | SA-221 PR150       | 8800           |
| TERRAIN            | 461730.00N/1110700.00W | 7125 (7100)     |             |             |           |            |            |             |             | AS1500             | 8600           |

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

| <u>OBSTRUCTION</u>  | <u>COORDINATES</u>     | <u>RADIUS</u> | <u>HAA</u> | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|---------------------|------------------------|---------------|------------|-----------------|-------------|-------------|-----------|------------|------------|--------------------|----------------|
| CATEGORY A          |                        |               |            |                 |             |             |           |            |            |                    |                |
| POLE (30-100467)    | 462956.32N/1105230.10W | 1.40          | 815        | 5313            | 20          | 10          | 1B        | 300        |            | SI                 | 5880           |
| CATEGORY B          |                        |               |            |                 |             |             |           |            |            |                    |                |
| TERRAIN (30-102986) | 462809.35N/1105240.98W | 2.00          | 855        | 5607 (5607)     | 20          | 10          | 1B        | 300        |            |                    | 5920           |
| CATEGORY C          |                        |               |            |                 |             |             |           |            |            |                    |                |
| TOWER (30-020663)   | 463239.24N/1105343.84W | 3.16          | 855        | 5289            | 20          | 3           | 1A        | 300        |            |                    | 5920           |
| CATEGORY D          |                        |               |            |                 |             |             |           |            |            |                    |                |
| AAO                 | 462612.00N/1105906.00W | 4.15          | 855        | 5529            | 215         | 8           | 4B        | 300        |            |                    | 5920           |

CIRCLING REMARKS:

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

|                               |                        |                            |                                |                         |                       |                         |
|-------------------------------|------------------------|----------------------------|--------------------------------|-------------------------|-----------------------|-------------------------|
| <u>WX SERVICE</u><br>AWOS-3PT | <u>LOCATION</u><br>7S6 | <u>HRS OPERATION</u><br>24 | <u>ALTIMETER SOURCE</u><br>7S6 | <u>DISTANCE</u><br>0.10 | <u>SERVICE-A</u><br>Y | <u>ADJUSTMENTS</u><br>0 |
| <u>BACK-UP WX SERVICE</u>     | <u>LOCATION</u>        | <u>HRS OPERATION</u>       | <u>ALTIMETER SOURCE</u>        | <u>DISTANCE</u>         | <u>SERVICE-A</u>      | <u>ADJUSTMENTS</u>      |

WX REMARKS:

REDUNDANT WEATHER AVAILABLE, NO BACKUP REQUIRED.

|  |                        |                            |            |
|--|------------------------|----------------------------|------------|
| <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> |            |
| RW13                                       |                        |                            |            |
| RW31                                       |                        |                            |            |
| RW01 - MIRL (PCL), PAPI-2L (PCL)           | NPI-G                  |                            |            |
| RW19 - MIRL (PCL), PAPI-2L (PCL)           | NPI-G                  |                            |            |

|                                 |                                     |                    |                        |                          |                           |                    |
|---------------------------------|-------------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|
| <u>GLIDESLOPE ANGLE</u><br>3.00 | <u>ELEV RWY THRESHOLD</u><br>5048.6 | <u>TCH</u><br>35.0 | <u>ELEV GS ANTENNA</u> | <u>DISTANCE FROM RWY</u> | <u>VGSI ANGLE</u><br>3.00 | <u>TCH</u><br>35.0 |
|---------------------------------|-------------------------------------|--------------------|------------------------|--------------------------|---------------------------|--------------------|

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><br>-25C | <u>CRITICAL HIGH</u><br>+54C | <u>ACT</u><br>-25C | <u>APT ISA</u><br>+4.97C |
|-----------------------------|------------------------------|--------------------|--------------------------|

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 1026 HIGH TEMP 1354.

"VISUAL PORTION OF FINAL" PENETRATIONS

|   |                          |   |
|---|--------------------------|---|
| FINAL TYPE  | LPV, LNAV/VNAV, AND LNAV |   |
| 34:1  |                          |   |
| TRANSMISSION LINE (30-101524) 463022.82N/1105416.52W (6.88) |                          | TRANSMISSION LINE (30-101095) 463026.81N/1105416.57W (5.93) |
| <u>PENETRATIONS REMARKS:</u>                                |                          |   |
|   |                          |   |



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.

ORDER 8260.3 CHAPTER 2 APPLIED TO 6657 AAO 463933.00N/1105130.00W AND 6040 AAO 463524.00N/1105242.00W.

PROCEDURE NA AT NIGHT DUE TO NO COMMISSIONED LIGHT SOURCE AT 7S6.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #24-ANM-85

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                 | 9.28   |
| WIDTH OF        | FINAL        | SEGMENT AT 1000FT POINT         | 1.20   |
| TRUE COURSE OF  | FINAL        | SEGMENT CONTAINING 1000FT POINT | 199.46 |
| HIGH TERRAIN IN | FINAL        | SEGMENT CONTAINING 1000FT POINT | 6500   |
| DISTANCE FROM   | FAF          | TO 1500FT POINT                 | 5.2    |
| WIDTH OF        | INTERMEDIATE | SEGMENT AT 1500FT POINT         | 4.00   |
| TRUE COURSE OF  | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 173.46 |
| HIGH TERRAIN IN | INTERMEDIATE | SEGMENT CONTAINING 1500FT POINT | 8300   |

|  |                           |
|--|---------------------------|
| THRESHOLD COORDINATES (IF STR-IN)          | 463008.96N/1105428.27W    |
| ARP COORDINATES                            | 462944.08N/1105442.90W    |
| RUNWAY APCH END AND DIST FURTHEST FROM ARP | RUNWAY 1 DISTANCE 0.56 NM |
| FAF COORDINATES                            | 463921.44N/1104945.66W    |
| FIX NAME COORDINATES                       |                           |

REMARKS

PART E: PREPARED BY

|               |          |            |                                     |
|---------------|----------|------------|-------------------------------------|
| NAME          | OFFICE   | DATE       | TITLE                               |
| DANIEL WESTON | AJV-A422 | 03/08/2024 | AERONAUTICAL INFORMATION SPECIALIST |

