

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>6V4         | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 13 | <u>ORIGINAL/AMENDMENT</u><br>ORIG | <u>CITY</u><br>WALL                                         | <u>STATE</u><br>SD        |
| <u>AIRPORT ELEVATION</u><br>2813 | <u>TDZE</u><br>2810                        | <u>ORIGINAL/AMENDMENT</u><br>NONE | <u>DATED</u>                                                | <u>EPOCH YEAR</u><br>2030 |
| <u>FACILITY</u><br>RNAV          | <u>COORDINATES OF FACILITIES</u>           | <u>ACTUAL EFFECTIVE DATE</u>      | <u>REQUIRED EFFECTIVE DATE</u><br>CONCURRENT WITH 23-AGL-35 | <u>CANCEL/SUSPEND</u>     |
| <u>SUPERSEDED</u>                |                                            |                                   |                                                             |                           |
| <u>MAG VAR</u><br>6E             |                                            |                                   |                                                             |                           |

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> |
|-----------------------|-----------------|--------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| WASTA                 | IF/IAF          | BBFLO              |                 | TF              | FB           | 1.00       | 129.01        | 4.00            | 4400            |
| BBFLO                 | FAF             | GGAAP/2.38 NM RW13 |                 | TF              | FB           | 0.30       | 129.06        | 2.50            |                 |
| GGAAP/2.38 NM TO RW13 |                 | RW13               | MAP             | TF              | FO           | 0.30       | 129.06        | 2.38            |                 |
| RW13                  | MAP             | 3213 MSL           |                 | CA              |              |            | 129.06        |                 |                 |
| 3213 MSL              |                 | GGRAS              |                 | DF              | FO           | 1.00       |               |                 | 5000            |

MISSED APPROACH

MAP:

LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT GGRAS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

|                                                                           |                |                |                       |                        |         |
|---------------------------------------------------------------------------|----------------|----------------|-----------------------|------------------------|---------|
| 1. PT                                                                     | SIDE OF COURSE | OUTBOUND       | FT WITHIN             | MILES OF               | (IAF)   |
| 2. HOLD NW WASTA, RT, 125.01 INBOUND, 4600 IN LIEU OF PT (IAF), MAX 6000. |                |                |                       |                        |         |
| 3. FAC: 129.06                                                            | FAF: BBFLO     |                | DIST FAF TO MAP: 4.88 | DIST FAF TO THLD: 4.88 |         |
| 4. MIN ALT: WASTA 4600, BBFLO 4400, GGAAP/2.38 NM RW13 3600               |                |                |                       |                        |         |
| 5. DIST TO THLD FROM OM:                                                  | MM:            | IM:            | 150 HAT:              | GS ANT:                |         |
| 6. MIN GP INCPT:                                                          | GP ALT AT FAF: |                |                       | OM:                    | MM: IM: |
| 7. GP ANGLE:                                                              | 34:1: IS CLEAR | 20:1: IS CLEAR | TCH:                  |                        |         |
| 8. MSA FROM: RW13 4600                                                    |                |                |                       |                        |         |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 18 AND 36.  
CHART NOTE: USE RAP ALTIMETER SETTING; WHEN NOT RECEIVED, USE PHP ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET.

ADDITIONAL FLIGHT DATA:

FAS OBST: 2882 TREE 440142N/1021630W.  
BBFLO TO RW13: 3.00/43.  
CHART RAP ASOS.  
HOLD SE, RT, 305.22 INBOUND.

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 | HAT/HAA |
| LNAV MDA   | 3280   | 1   | 470     | 3280   | 1   | 470     | 3280   | 1 3/8 | 470     |        | NA  |         |        |     |         |
| CIRCLING   | 3420   | 1   | 607     | 3420   | 1   | 607     | 3440   | 1 3/4 | 627     |        | NA  |         |        |     |         |

CHANGES - REASONS

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDV, RCA APP CON, AMGR

FLIGHT CHECKED BY

MATTHEW A HAUG

Digitally signed by

ALLAN WILL

Jun 15, 2026

OFFICE

AJF

DATE

05/21/2026

DEVELOPED BY

ALLAN WILL (STEVEN BROWN)

Digitally signed by

ALLAN WILL

Jun 15, 2026

OFFICE

AJV-A33

DATE

02/24/2026

APPROVED BY

KYLE THOMPSON

Digitally signed by

ALLAN WILL

Jun 15, 2026

OFFICE

AJV-A33

DATE

TITLE  
MANAGER



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

|                          |                                            |                         |                     |                    |                                  |                         |
|--------------------------|--------------------------------------------|-------------------------|---------------------|--------------------|----------------------------------|-------------------------|
| <u>AIRPORT ID</u><br>6V4 | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 13 | <u>AMDT NO.</u><br>ORIG | <u>CITY</u><br>WALL | <u>STATE</u><br>SD | <u>AIRPORT ELEVATION</u><br>2813 | <u>FACILITY</u><br>RNAV |
|--------------------------|--------------------------------------------|-------------------------|---------------------|--------------------|----------------------------------|-------------------------|

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM  
WASTA (IF/IAF)

TO  
BBFLO

| <u>RNP</u><br>1.00 | <u>DISTANCE</u><br>4.00 | <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                | 440354.00N/1022112.00W  | 2956            | 215         | 8           | 4B        | 500        |            |             |             | AT944              | 4400           |
| TERRAIN            | 440354.00N/1022112.00W  | 2755 (2800)     |             |             |           |            |            |             |             | AS1500             | 4300           |

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM  
BBFLO

TO  
GGAAP/2.38 NM RW13

|                    |                         |                 |             |             |           |            |            |           |             |                    |                |
|--------------------|-------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| <u>RNP</u><br>0.30 | <u>DISTANCE</u><br>2.50 | <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                | 440239.00N/1021851.00W  | 3091            | 215         | 8           | 4B        | 250        |            |           |             | RA169 DG90         | 3600           |

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

GGAAP/2.38 NM TO RW13

TO

RW13

| <u>RNP</u> | <u>DISTANCE</u> | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | <u>HMAS</u> |
|------------|-----------------|------------|------------|------------|-------------|
| 0.30       | 2.38            |            | RW13       | 470        |             |

| <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               | 440142.00N/1021630.00W | 2882            | 215         | 8           | 4B        | 250        |            |           |             | RA129              | 3280           |

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

WASTA

TO

P-6

| <u>RNP</u> | <u>DISTANCE</u> | <u>PAT</u> | <u>MAP</u> | <u>HAT</u> | <u>HMAS</u> |
|------------|-----------------|------------|------------|------------|-------------|
|            |                 | P-6        |            |            |             |

| <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 (46-022664)  | 440549.95N/1023549.77W | 3318            | 50          | 20          | 2C        | 1000       |            |           |             |                    | 4400           |
| TERRAIN            | 440854.00N/1023821.00W | 3087 (3100)     |             |             |           |            |            |           |             | AS1500             | 4600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW13

TO

GGRAS

| <u>RNP</u><br>0.30-1.00 | <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> |
|                         |                        |                 |             |             |           |            | ASC        |             |             |                    | 5000           |
| TREE                    | 435621.00N/1021309.00W | 3137            | 215         | 8           | 4B        | 1000       |            |             |             | SA-43              | 4100           |
| TERRAIN                 | 435730.00N/1021403.00W | 2936 (2900)     |             |             |           |            |            |             |             | AS1500             | 4400           |

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              |                        |        |     |          |      |      |    |     |     |             |         |
| WATER_TOWER (46-036386) | 435902.09N/1021413.93W | 1.34   | 607 | 2986     | 20   | 3    | 1A | 300 |     | RA129       | 3420    |
| CATEGORY B              |                        |        |     |          |      |      |    |     |     |             |         |
| WATER_TOWER (46-036386) | 435902.09N/1021413.93W | 1.91   | 607 | 2986     | 20   | 3    | 1A | 300 |     | RA129       | 3420    |
| CATEGORY C              |                        |        |     |          |      |      |    |     |     |             |         |
| TREE                    | 435730.00N/1021415.00W | 3.01   | 627 | 3003     | 250  | 10   | 4B | 300 |     | RA129       | 3440    |

CIRCLING REMARKS:

MSA

CENTER

RW13

RADIUS

25

| SECTOR  | OBSTRUCTION | COORDINATES            | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | AAO         | 440345.00N/1025524.00W | 271     | 28.9     | 3521     | 215  | 8    | 4B | 1000 |     |             | 4600    |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDV ARTCC, RCA APP CON, HON FSS

| <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                      | RAP             | 24                   | RAP                     | 34.75           | Y            | 129                |
| <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                      | PHP             | 24                   | PHP                     | 28.52           | Y            | 151                |

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
6V4 2813, RAP 3163  
RA = 129.0  
6V4 2813, PHP 2209  
RA= 150.2

| <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> |
| RW36                                       |                      |                        |                            |
| RW18                                       |                      |                        |                            |
| RW13 - LIRL (PCL), PAPI-2L                 |                      | NPI-G                  |                            |
| RW31 - LIRL (PCL), PAPI-2L                 |                      | NPI-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              | 43.3       |

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> |
|---------------------|----------------------|------------|----------------|
|---------------------|----------------------|------------|----------------|

CRITICAL TEMPERATURE REMARKS:

"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:

NO TAA PER ATC.

50 FT VEGETATION USED PER FPT.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CIRCLING RWYS 18/36 NA DUE TO TURF RWYS WITH NO RAPT APPROVAL.

VDP NOT PUBLISHABLE DUE TO; REMOTE PRIMARY ALTIMETER.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #23-AGL-35

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                 | 3.21   |
| WIDTH OF        | FINAL | SEGMENT AT 1000FT POINT         | 1.20   |
| TRUE COURSE OF  | FINAL | SEGMENT CONTAINING 1000FT POINT | 135.06 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 2900   |
| DISTANCE FROM   | THLD  | TO 1500FT POINT                 | 4.88   |
| WIDTH OF        | FINAL | SEGMENT AT 1500FT POINT         | 2.13   |
| TRUE COURSE OF  | FINAL | SEGMENT CONTAINING 1500FT POINT | 135.06 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1500FT POINT | 2900   |

|                                            |                            |
|--------------------------------------------|----------------------------|
| THRESHOLD COORDINATES (IF STR-IN)          | 440015.81N/1021540.90W     |
| ARP COORDINATES                            | 435958.81N/1021515.27W     |
| RUNWAY APCH END AND DIST FURTHEST FROM ARP | RUNWAY 13 DISTANCE 0.42 NM |
| FAF COORDINATES                            | 440343.18N/1022027.46W     |
| FIX NAME COORDINATES                       |                            |

REMARKS

PART E: PREPARED BY

|                           |         |            |                                     |
|---------------------------|---------|------------|-------------------------------------|
| NAME                      | OFFICE  | DATE       | TITLE                               |
| ALLAN WILL (STEVEN BROWN) | AJV-A33 | 02/24/2026 | AERONAUTICAL INFORMATION SPECIALIST |

