

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
VOR STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.23**

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>        | <u>PROCEDURE NAME</u>            | <u>ORIGINAL/AMENDMENT</u>    | <u>CITY</u>                    | <u>STATE</u>          |                |                   |
|--------------------------|----------------------------------|------------------------------|--------------------------------|-----------------------|----------------|-------------------|
| 44C                      | VOR -A                           | 6                            | BELOIT                         | WI                    |                |                   |
| <u>AIRPORT ELEVATION</u> | <u>TDZE</u>                      | <u>SUPERSEDED</u>            | <u>ORIGINAL/AMENDMENT</u>      | <u>DATED</u>          | <u>MAG VAR</u> | <u>EPOCH YEAR</u> |
| 817                      |                                  | VOR -A                       | 5D                             | 03/25/2021            | 3E             | 1965              |
| <u>FACILITY</u>          | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> | <u>REQUIRED EFFECTIVE DATE</u> | <u>CANCEL/SUSPEND</u> |                |                   |
| JVL                      |                                  |                              | ROUTINE                        |                       |                |                   |

**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> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|

**MISSED APPROACH**

**MAP:**

6.95 NM AFTER JVL VOR/DME OR AT MADMY/JVL 6.95 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2700 THEN RIGHT TURN DIRECT JVL VOR/DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT L SIDE OF COURSE 297.56 OUTBOUND 2700 FT WITHIN 10 MILES OF JVL VOR/DME (IAF)  
2.  
3. FAC: 117.56 FAF: JVL VOR/DME DIST FAF TO MAP: 6.95 DIST FAF TO THLD:  
4. MIN ALT: JVL VOR/DME 2700  
8. MSA FROM: JVL VOR/DME 3100

**NOTES:**

CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: USE JVL ALTIMETER SETTING; WHEN NOT RECEIVED, USE RFD ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET.  
CHART MAXIMUM 6000 PRIOR TO JVL VOR/LOM IN PROFILE.

**ADDITIONAL FLIGHT DATA:**

CHART JVL AWOS-3  
HOLD NW, RT, 117.56 INBOUND.  
FAS OBST: 1132 AAO 423306N/0890432W.  
FAC CROSSES MIDPOINT OF RWY 7-25.



**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 |
| CIRCLING   | 1460   | 1   | 643     | 1540   | 1   | 723     |        | NA  |         |        | NA  |         |        |     |         |

**CHANGES - REASONS**

- PROFILE LINE 1: SIDE OF COURSE CHANGED FROM 297.75 TO 297.56. - MAP LOCATION.  
- PROFILE LINE 3: FAC CHANGED FROM 117.75 TO 117.56. - NEW MAP LOCATION.  
- CHANGE MAP FROM "7.00 NM AFTER JVL VOR/DME OR AT MADMY/7.00 DME FIX" TO "6.95 NM AFTER JVL VOR/DME OR AT MADMY/JVL 6.95 DME". - MAP MOVED 357 NW TO BE WITHIN FAP-FEP, FPT NOTIFIED, IAW 8260.3E 5-2-5.  
- PROFILE LINE 3: DIST FAF TO MAP CHANGED FROM 7.00 TO 6.95. - MAP MOVED 357 FT NW TO BE WITHIN FAP-FEP, FPT NOTIFIED  
- NOTES: ADDED CHART NOTE: PROCEDURE NA AT NIGHT. - NO RUNWAY OIS SURVEY. 20:1'S ASSUMED.  
- NOTES: UPDATED CHART NOTE FROM "USE JANESVILLE ALTIMETER SETTING, WHEN NOT RECEIVED, USE CHICAGO/ROCKFORD INTL ALTIMETER SETTING" TO "USE JVL ALTIMETER SETTING; WHEN NOT RECEIVED, USE RFD ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET." - LOCATION ID USED IAW 8260.19J8-6-10D.  
- NOTES: ADDED "CHART MAXIMUM 6000 PRIOR TO JVL VOR/LOM IN PROFILE". - REDUCED PT SIZE TO AVOID OBSTACLES, FPT NOTIFIED. - IAW 8260.3E 2-4-5 MEMO.  
- ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1070 TANK 423107N/0885736W CHANGED TO "FAS OBST: 1132 AAO 423306N/0890432W". - NEW TERRAIN EVAL USING 3DEP.  
- MINIMUMS: CIRCLING CAT A MDA CHANGED FROM 1440 TO 1460. - UPDATED DATA INCREASE RASS ADJUSTMENT.  
- RFD ALTIMETER SETTING MINIMUMS REMOVED, ADDED AS BACKUP ALTIMETER NOTES.

6/24/25: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 6/09/25.  
- REMOVED THE EXTRA "CHART NOTE" FROM JVL ALTIMETER NOTE  
- ADDED "CHART JVL AWOS-3" TO ADDITIONAL FLIGHT DATA.

**COORDINATED WITH:**  

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZAU ARTCC, RFD ATCT, WI AERO, AMGR

|                                                 |                                                                       |                           |                           |                         |
|-------------------------------------------------|-----------------------------------------------------------------------|---------------------------|---------------------------|-------------------------|
| <b>FLIGHT CHECKED BY</b><br>MARC RAYMOND WEBBER | <i>Digitally signed by</i><br><b>CASIMIR L TABAKA</b><br>Jun 24, 2025 | <b>OFFICE</b><br>FIOG     | <b>DATE</b><br>06/06/2025 |                         |
| <b>DEVELOPED BY</b><br>LEO PALMER               | <i>Digitally signed by</i><br><b>LEO PALMER</b><br>Jun 24, 2025       | <b>OFFICE</b><br>AJV-A421 | <b>DATE</b><br>06/12/2024 |                         |
| <b>APPROVED BY</b><br>DAVID DANNER              | <i>Digitally signed by</i><br><b>CASIMIR L TABAKA</b><br>Jun 24, 2025 | <b>OFFICE</b><br>AJV-A421 | <b>DATE</b><br>07/03/2025 | <b>TITLE</b><br>MANAGER |



**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> |
|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| 44C               | VOR -A                | 6               | BELOIT      | WI           | 817                      | JVL             |

**PART A: OBSTRUCTION DATA SEGMENTS**

**INTERMEDIATE: PT**

**FROM** 10 NM **TO** JVL VOR/DME

RNP 1.00 DISTANCE 10.00 PAT MAP HAT HMAS

| <u>OBSTRUCTION</u> | <u>COORDINATES</u>     | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|------------|-----------|-------------|--------------------|----------------|
| TOWER (55-001430)  | 423659.00N/0891802.00W | 1326            | 50          | 20          | 2C        | 500        |            |           |             | AT874              | 2700           |
| TERRAIN            | 424003.00N/0891639.00W | 1023 (1000)     |             |             |           |            |            |           |             | AS1500             | 2500           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL**

**FROM** JVL VOR/DME **TO** 6.95 NM AFTER JVL VOR/DME OR AT MADMY/JVL 6.95 DME

RNP 1.00 DISTANCE 6.95 PAT MAP 6.95 NM AFTER JVL VOR/DME OR AT MADMY/JVL 6.95 DME 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                | 423306.00N/0890432.00W | 1132            | 215         | 8           | 4B        | 250        |            |           |             | XL48 RA21          | 1460           |

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



PROCEDURE TURN

FROM

JVL VOR/DME

TO

10 NM

RNP

DISTANCE

PAT

MAP

HAT

HMAS

| OBSTRUCTION       | COORDINATES            | ELEV MSL    | HORZ | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-------------|------|------|----|------|-----|----|------|-------------|---------|
| TOWER (55-001430) | 423659.00N/0891802.00W | 1326        | 50   | 20   | 2C | 1000 |     |    |      | AT347       | 2700    |
| TERRAIN           | 424230.00N/0891809.00W | 1072 (1100) |      |      |    |      |     |    |      | AS1500      | 2600    |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MAX 6000 REQUIRED FOR OBSTACLE AVOIDANCE.

MISSED APPROACH

FROM

6.95 NM AFTER JVL VOR/DME OR AT MADMY/JVL 6.95 DME

TO

JVL VOR/DME

RNP

1.00

DISTANCE

PAT

MAP

HAT

HMAS

1122

| OBSTRUCTION       | COORDINATES            | ELEV MSL    | HORZ | VERT | AC | ROC  | OCS | CG | CGTA | ADJUSTMENTS | MIN ALT |
|-------------------|------------------------|-------------|------|------|----|------|-----|----|------|-------------|---------|
|                   |                        |             |      |      |    |      | ASC |    |      |             | 2700    |
| TOWER (55-000269) | 423312.00N/0885742.00W | 1263        | 250  | 50   | 4D | 1000 |     |    |      |             | 2300    |
| TERRAIN           | 422903.00N/0884851.00W | 1017 (1000) |      |      |    |      |     |    |      | AS1500      | 2500    |

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                    |                        |        |     |          |      |      |    |     |     |             |         |
| TANK (55-027641)              | 423106.83N/0885735.74W | 1.30   | 643 | 1070     | 250  | 50   | 4D | 300 |     | SI          | 1460    |
| CATEGORY B                    |                        |        |     |          |      |      |    |     |     |             |         |
| TRANSMISSION LINE (55-084671) | 423127.26N/0885637.51W | 1.83   | 723 | 1162     | 250  | 50   | 4D | 300 |     | RA21 AC50   | 1540    |

CIRCLING REMARKS:

MSA

CENTER  
JVL VOR/DME

RADIUS  
25

| SECTOR  | OBSTRUCTION       | COORDINATES            | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | TOWER (55-001319) | 424340.40N/0891358.40W | 328     | 11.7     | 2049     | 500  | 50   | 5D | 1000 |     |             | 3100    |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

RFD APP CON

| <u>WX SERVICE</u>         | <u>LOCATION</u> | <u>HRS OPERATION</u> | <u>ALTIMETER SOURCE</u> | <u>DISTANCE</u> | <u>WMSCR</u> | <u>ADJUSTMENTS</u> |
|---------------------------|-----------------|----------------------|-------------------------|-----------------|--------------|--------------------|
| AWOS-3                    | JVL             | 24                   | JVL                     | 8.05            | Y            | 21                 |
| <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                      | RFD             | 24                   | RFD                     | 19.05           | Y            | 55                 |

WX REMARKS:

PRESSURE PATTERNS THE SAME  
K44C 817, KJVL 802  
RA=20.8

PRESSURE PATTERNS THE SAME  
K44C 817, KRFD 742  
RA=54.3

| <u>PRIMARY NAVAID</u> | <u>MONITOR POINT</u> | <u>HRS OPERATION</u> | <u>CAT</u> |
|-----------------------|----------------------|----------------------|------------|
| JVL VOR/DME           | MOCC                 | 1                    | 1          |

| <u>APPROACH AND RUNWAY LIGHTING SYSTEM</u> | <u>RUNWAY MARKINGS</u> | <u>RUNWAY VISUAL RANGE</u> |
|--------------------------------------------|------------------------|----------------------------|
| RW07 - LIRLNSTD (PCL)                      |                        |                            |
| RW25 - LIRLNSTD (PCL)                      | BSC-F                  |                            |

| <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> |
|-------------------------|---------------------------|------------|------------------------|--------------------------|-------------------|------------|
|-------------------------|---------------------------|------------|------------------------|--------------------------|-------------------|------------|

FINAL APPROACH COURSE AIMING

|                  |                          |                    |                              |
|------------------|--------------------------|--------------------|------------------------------|
| RUNWAY THRESHOLD | <input type="checkbox"/> | FT FROM THRESHOLD  | DISPLACED THRESHOLD DISTANCE |
| ON CENTERLINE    | <input type="checkbox"/> | 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

PENETRATIONS REMARKS:

NO OIS SURVEY - 34:1'S AND 20:1s ASSUMED



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - REMOTE ALTIMETER SETTINGS IN USE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION 100 FEET, PER FPT.

VDA N/A - CIRCLING ALIGNMENT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1145 AAO 423339.00N/0890609.00W.

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   | MAP   | TO 1000FT POINT                 | 4.28   |
| WIDTH OF        | FINAL | SEGMENT AT 1000FT POINT         | 2.96   |
| TRUE COURSE OF  | FINAL | SEGMENT CONTAINING 1000FT POINT | 120.56 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1000FT POINT | 900    |
| DISTANCE FROM   | MAP   | TO 1500FT POINT                 | 6.35   |
| WIDTH OF        | FINAL | SEGMENT AT 1500FT POINT         | 2.76   |
| TRUE COURSE OF  | FINAL | SEGMENT CONTAINING 1500FT POINT | 120.56 |
| HIGH TERRAIN IN | FINAL | SEGMENT CONTAINING 1500FT POINT | 900    |

|                                            |                           |
|--------------------------------------------|---------------------------|
| THRESHOLD COORDINATES (IF STR-IN)          |                           |
| ARP COORDINATES                            | 422952.00N/0885803.40W    |
| RUNWAY APCH END AND DIST FURTHEST FROM ARP | RUNWAY 7 DISTANCE 0.27 NM |
| FAF COORDINATES                            | 423328.83N/0890618.93W    |
| FIX NAME COORDINATES                       |                           |

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

|            |          |            |                                     |
|------------|----------|------------|-------------------------------------|
| NAME       | OFFICE   | DATE       | TITLE                               |
| LEO PALMER | AJV-A421 | 06/12/2024 | AERONAUTICAL INFORMATION SPECIALIST |

