

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
EZS	SHAWANO	WI	3	

TAKEOFF MINIMUMS:

RWY 35: STANDARD.

RWY 12: 500-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 329 FT/NM TO 1600.

RWY 17: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 365 FT/NM TO 1100.

RWY 30: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 248 FT/NM TO 1100.

TEXTUAL DEPARTURE PROCEDURES:

RWY 12: CLIMB ON HEADING 114.51 TO 1300 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12: LIGHT POLES 13 FT FROM DER, 78 FT LEFT OF CENTERLINE, 3 FT AGL/813 FT MSL.

TREE, FENCE BEGINNING 47 FT FROM DER, 309 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/837 FT MSL.

FENCE 60 FT FROM DER, 310 FT LEFT OF CENTERLINE, 9 FT AGL/815 FT MSL.

TREES BEGINNING 157 FT FROM DER, 466 FT RIGHT OF CENTERLINE, UP TO 878 FT MSL.

TREE, FENCE BEGINNING 167 FT FROM DER, 309 FT LEFT OF CENTERLINE, UP TO 821 FT MSL.

TREES BEGINNING 745 FT FROM DER, 29 FT LEFT OF CENTERLINE, UP TO 894 FT MSL.

TREES BEGINNING 848 FT FROM DER, 261 FT RIGHT OF CENTERLINE, UP TO 74 FT AGL/884 FT MSL.

TREES BEGINNING 1315 FT FROM DER, 165 FT RIGHT OF CENTERLINE, UP TO 890 FT MSL.

TREES BEGINNING 1984 FT FROM DER, 57 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/896 FT MSL.

TREES BEGINNING 2505 FT FROM DER, 13 FT LEFT OF CENTERLINE, UP TO 903 FT MSL.

TREES BEGINNING 2759 FT FROM DER, ON CENTERLINE, UP TO 83 FT AGL/897 FT MSL.

TREES BEGINNING 2836 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/907 FT MSL.

TREES BEGINNING 2884 FT FROM DER, 54 FT RIGHT OF CENTERLINE, UP TO 907 FT MSL.

TREE 3528 FT FROM DER, 621 FT LEFT OF CENTERLINE, 908 FT MSL.

TREE 1.1 NM FROM DER, 2103 FT RIGHT OF CENTERLINE, 64 FT AGL/996 FT MSL.

TREES BEGINNING 1.2 NM FROM DER, 1792 FT RIGHT OF CENTERLINE, UP TO 1118 FT MSL.

TREES, VEHICLES ON ROADWAY, TRANSMISSION LINES, POLES, ELECTRICAL SYSTEMS BEGINNING, 1.3 NM FROM DER, 1763 FT RIGHT OF CENTERLINE, UP TO 1130 FT MSL.

POLE, TOWER BEGINNING 2.2 NM FROM DER, 4015 FT RIGHT OF CENTERLINE, UP TO 203 FT AGL/1217 FT MSL.

TOWER 2.3 NM FROM DER, 3005 FT RIGHT OF CENTERLINE, 222 FT AGL/1240 FT MSL.

NOTE: RWY 17: TREES BEGINNING 2 FT FROM DER, 73 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/911 FT MSL.

TREES BEGINNING 59 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/914 FT MSL.

TREES BEGINNING 826 FT FROM DER, 9 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/914 FT MSL.

TREES BEGINNING 1289 FT FROM DER, 8 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/917 FT MSL.

TREES BEGINNING 2045 FT FROM DER, 77 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/917 FT MSL.

TREES BEGINNING 2112 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/921 FT MSL.

TREES BEGINNING 2508 FT FROM DER, 206 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/921 FT MSL.

TREES BEGINNING 2744 FT FROM DER, 127 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/924 FT MSL.

TREES BEGINNING 3207 FT FROM DER, 47 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/927 FT MSL.

TREES BEGINNING 3557 FT FROM DER, 177 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/931 FT MSL.

TREE 3737 FT FROM DER, 804 FT LEFT OF CENTERLINE, 100 FT AGL/934 FT MSL.

TREES BEGINNING 3759 FT FROM DER, 110 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/924 FT MSL.

TREES BEGINNING 3794 FT FROM DER, 98 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/944 FT MSL.

TREE 3815 FT FROM DER, 1234 FT RIGHT OF CENTERLINE, 100 FT AGL/927 FT MSL.

TREES BEGINNING 3872 FT FROM DER, 399 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/931 FT MSL.

TREES BEGINNING 3907 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/947 FT MSL.

TREES BEGINNING 4052 FT FROM DER, 190 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/963 FT MSL.

TREES BEGINNING 4571 FT FROM DER, 348 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/976 FT MSL.

TREES BEGINNING 4695 FT FROM DER, 140 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/986 FT MSL.

TREE 4988 FT FROM DER, 1552 FT RIGHT OF CENTERLINE, 100 FT AGL/990 FT MSL.

TREES, TANK BEGINNING 5045 FT FROM DER, 39 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1032 FT MSL.

TREES BEGINNING 5440 FT FROM DER, 119 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/957 FT MSL.

TREES BEGINNING 5666 FT FROM DER, 39 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/960 FT MSL.

TREE 5790 FT FROM DER, 248 FT LEFT OF CENTERLINE, 100 FT AGL/963 FT MSL.

TREE 5847 FT FROM DER, 457 FT LEFT OF CENTERLINE, 100 FT AGL/967 FT MSL.

TREES BEGINNING 5903 FT FROM DER, 666 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/983 FT MSL.

TREE 6016 FT FROM DER, 1084 FT LEFT OF CENTERLINE, 100 FT AGL/986 FT MSL.

TREES BEGINNING 6073 FT FROM DER, 169 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/990 FT MSL.

TREES BEGINNING 1 NM FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 1019 FT MSL.

TREES BEGINNING 1.1 NM FROM DER, 128 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1022 FT MSL.

TREES BEGINNING 1.3 NM FROM DER, 2488 FT LEFT OF CENTERLINE, 1029 FT MSL.
TREES BEGINNING 1.4 NM FROM DER, 2200 FT LEFT OF CENTERLINE, 1062 FT MSL.
TREE 1.5 NM FROM DER, 2877 FT LEFT OF CENTERLINE, 100 FT AGL/1049 FT MSL.

NOTE: RWY 30: BUILDING, VEHICLES ON ROAD BEGINNING 15 FT FROM DER, 444 FT RIGHT OF CENTERLINE, UP TO 26 FT AGL/835 FT MSL.
BUILDING 195 FT FROM DER, 517 FT LEFT OF CENTERLINE, 15 FT AGL/826 FT MSL.
BUILDING, FENCE BEGINNING 196 FT FROM DER, 329 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/840 FT MSL.
TREE 251 FT FROM DER, 460 FT RIGHT OF CENTERLINE, 874 FT MSL.
TREES BEGINNING 371 FT FROM DER, 339 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/891 FT MSL.
TREES, VEHICLES ON ROAD BEGINNING 399 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/880 FT MSL.
TREES, VEHICLES ON ROAD BEGINNING 437 FT FROM DER, 201 FT RIGHT OF CENTERLINE, UP TO 893 FT MSL.
TREES, VEHICLES ON ROAD, POLES BEGINNING 443 FT FROM DER, ON CENTERLINE, UP TO 94 FT AGL/901 FT MSL.
TREES BEGINNING 581 FT FROM DER, 470 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/894 FT MSL.
TREES BEGINNING 679 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/897 FT MSL.
TREES BEGINNING 1144 FT FROM DER, 132 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/904 FT MSL.
TREES BEGINNING 1228 FT FROM DER, 737 FT LEFT OF CENTERLINE, UP TO 118 FT AGL/932 FT MSL.
TREE 1248 FT FROM DER, 755 FT LEFT OF CENTERLINE, 119 FT AGL/933 FT MSL.
TREES BEGINNING 1255 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 120 FT AGL/934 FT MSL.
TREES BEGINNING 1350 FT FROM DER, 234 FT RIGHT OF CENTERLINE, UP TO 98 FT AGL/906 FT MSL.
TREES BEGINNING 1560 FT FROM DER, 79 FT RIGHT OF CENTERLINE, UP TO 113 FT AGL/923 FT MSL.
TREES BEGINNING 1715 FT FROM DER, ON CENTERLINE, UP TO 125 FT AGL/935 FT MSL.
TREES BEGINNING 4654 FT FROM DER, 583 FT LEFT OF CENTERLINE, UP TO 134 FT AGL/953 FT MSL.
WATER TOWER, TANK 1 NM FROM DER, 1256 FT RIGHT OF CENTERLINE, 1001 FT MSL.

NOTE: RWY 35: TREES, VEHICLES ON ROAD, BUILDINGS BEGINNING 51 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/908 FT MSL.
TREE 106 FT FROM DER, 519 FT RIGHT OF CENTERLINE, 80 FT AGL/887 FT MSL.
TREES, BUILDING, POLE BEGINNING 118 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/908 FT MSL.
TREE 4022 FT FROM DER, 1200 FT LEFT OF CENTERLINE, 100 FT AGL/911 FT MSL.

CONTROLLING OBSTACLES:

RWY 12: 1124 FT MSL TREE 444614.46N/0883141.12W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE), 1240 FT MSL TOWER 444546.00N/0883025.00W (CEILING) (VISIBILITY).
RWY 17: 1032 FT MSL TREE 444612.00N/0883333.00W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE), 1048 FT MSL TREE 444542.00N/0883221.00W (VISIBILITY), 1061 FT MSL TREE 444545.00N/0883224.00W (CEILING).
RWY 30: 999 FT MSL TANK 444758.45N/0883519.14W (VISIBILITY), 1001 FT MSL WATER_TOWER 444758.44N/0883519.12W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE) (CEILING).
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 12: 1209 FT MSL TOWER 444527.82N/0883101.44W.

REMARKS:

100 FT VEGETATION USED PER FPT.

Digitally signed by

FLIGHT INSPECTED BY
SCOTT WIEBE

ROBERT G HAMILTON
Apr 24, 2025

OFFICE
AJF
DATE
04/22/2025

DEVELOPED BY
JOSHUA DUGAN

Digitally signed by
ROBERT G HAMILTON
Apr 24, 2025

OFFICE
AJV-A431
DATE
01/15/2025

APPROVED BY
ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
Apr 24, 2025

OFFICE
AJV-A431
DATE
05/08/2025
TITLE
MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒

OTHER: ZAU, GRB APP CON, AMGR, AVN-250

CHANGES - REASONS:

1. UPDATED TAKEOFF MINIMUMS RWY 17 FROM 245 FT PER NM TO 1200 TO 365 FT PER NM TO 1100 - NEW CONTROLLING OBSTACLE
2. UPDATED TAKEOFF MINIMUMS RWY 12 FROM 600-3 TO 500 2 3/4 - NEW CONTROLLING OBSTACLE.
3. UPDATED TAKEOFF MINIMUMS RWY 30 FROM 300 1 1/2 TO 300 1 3/8 - NEW CONTROLLING OBSTACLE.
4. ADDED TEXTUAL DEPARTURE RWY 12 - NEW CONTROLLING OBSTACLE.
- 5.. UPDATED TAKEOFF OBSTACLE NOTES ALL RUNWAYS - NEW OBSTACLES CLEARS NOTAM 3/6732.
6. CONTROLLING OBSTACLES ADDED NEW CONTROLLING OBSTACLES RWY 12, 17, 30 - IAW 8260.46J APPENDIX D 2-E-3(B)-3
7. REMARKS ADDED 100 FT VEGETATION USED PER FPT - IAW 8260.46J APPENDIX D 2-J

05/19/25: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 4/24/25.
TEXTUAL DEPARTURE: ADDED BEFORE PROCEEDING ON COURSE.