

**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.

AIRPORT	AIRPORT ID	CITY	STATE	AMDT NO	ACTUAL EFFECTIVE DATE
MIDDLETON MUNI-MOREY FLD	C29	MIDDLETON	WI	2A	2 DECEMBER 2021

TAKEOFF MINIMUMS:

RWY 1,19: NA - TURF

RWY 10: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 233 FT PER NM TO 1200, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FEET PRIOR TO DER.

RWY 28: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 293 FT PER NM TO 1400.

TEXTUAL DEPARTURE PROCEDURES:

RWY 10: CLIMB ON HEADING 100.64 TO 2600 BEFORE TURNING RIGHT.

RWY 28: CLIMB ON HEADING 280.65 TO 2600 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10: BUILDING 72 FT FROM DER, 421 FT RIGHT OF CENTERLINE, 25 FT AGL/951 FT MSL.

VEGETATION 128 FT FROM DER, 316 FT LEFT OF CENTERLINE, 933 FT MSL.

POLE 583 FT FROM DER, 516 FT RIGHT OF CENTERLINE, 32 FT AGL/953 FT MSL.

POLE 874 FT FROM DER, 461 FT RIGHT OF CENTERLINE, 33 FT AGL/954 FT MSL.

TERRAIN 1041 FT FROM DER, 755 FT LEFT OF CENTERLINE, 972 FT MSL.

POLES BEGINNING 1148 FT FROM DER, 523 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/973 FT MSL.

TREE 1168 FT FROM DER, 591 FT RIGHT OF CENTERLINE, 991 FT MSL.

BUILDING, TREES BEGINNING 1276 FT FROM DER, 199 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/975 FT MSL.

TREES, TRANSMISSION LINES, POLES BEGINNING 1299 FT FROM DER, 225 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/1002 FT MSL.

POLES, TRANSMISSION LINES BEGINNING 2823 FT FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 1003 FT MSL.

WATER TOWER 1 NM FROM DER, 1833 FT LEFT OF CENTERLINE, 94 FT AGL/1087 FT MSL.

TANK 1 NM FROM DER, 1821 FT LEFT OF CENTERLINE, 113 FT AGL/1108 FT MSL.

NOTE: RWY 28: VEGETATION 36 FT FROM DER, 173 FT LEFT OF CENTERLINE, 930 FT MSL.

VEGETATION 198 FT FROM DER, 346 FT RIGHT OF CENTERLINE, 938 FT MSL.

TREE 524 FT FROM DER, 470 FT LEFT OF CENTERLINE, 944 FT MSL.

TREES BEGINNING 843 FT FROM DER, 647 FT LEFT OF CENTERLINE, UP TO 52 FT AGL/985 FT MSL.

TREES BEGINNING 1199 FT FROM DER, 574 FT LEFT OF CENTERLINE, UP TO 999 FT MSL.

TREES BEGINNING 2160 FT FROM DER, 425 FT LEFT OF CENTERLINE, UP TO 1023 FT MSL.

TREE, BUILDING BEGINNING 2416 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 1026 FT MSL.

TREE 2626 FT FROM DER, 17 FT RIGHT OF CENTERLINE, 1008 FT MSL.

TREES BEGINNING 2633 FT FROM DER, 109 FT LEFT OF CENTERLINE, UP TO 1031 FT MSL.

TREE 2708 FT FROM DER, 1 FT RIGHT OF CENTERLINE, 1019 FT MSL.

TREE 3081 FT FROM DER, 134 FT RIGHT OF CENTERLINE, 1022 FT MSL.

TREES BEGINNING 3088 FT FROM DER, 135 FT RIGHT OF CENTERLINE, UP TO 1037 FT MSL.

TREE 4291 FT FROM DER, 481 FT RIGHT OF CENTERLINE, 1038 FT MSL.

TREE 5015 FT FROM DER, 70 FT RIGHT OF CENTERLINE, 1071 FT MSL.

TREE 5145 FT FROM DER, 74 FT LEFT OF CENTERLINE, 1095 FT MSL.

TREES BEGINNING 5293 FT FROM DER, 24 FT RIGHT OF CENTERLINE, UP TO 1109 FT MSL.

TREES BEGINNING 5307 FT FROM DER, 112 FT LEFT OF CENTERLINE, UP TO 1098 FT MSL.

TREE, BUILDING BEGINNING 5458 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 1105 FT MSL.

TREE 1 NM FROM DER, 302 FT LEFT OF CENTERLINE, 1107 FT MSL.

TREE 1 NM FROM DER, 420 FT LEFT OF CENTERLINE, 1121 FT MSL.

TREE 1 NM FROM DER, 652 FT LEFT OF CENTERLINE, 1124 FT MSL.

TREE 1 NM FROM DER, 564 FT LEFT OF CENTERLINE, 1127 FT MSL.

TREE 1.3 NM FROM DER, 2609 FT LEFT OF CENTERLINE, 63 FT AGL/1139 FT MSL.

TRANSMISSION LINE BEGINNING 1.5 NM FROM DER, 214 FT LEFT OF CENTERLINE, UP TO 131 FT AGL/1206 FT MSL.

TRANSMISSION LINE 1.5 NM FROM DER, 579 FT RIGHT OF CENTERLINE, 123 FT AGL/1202 FT MSL.

TRANSMISSION LINE BEGINNING 1.6 NM FROM DER, 1294 FT RIGHT OF CENTERLINE, UP TO 141 FT AGL/1217 FT MSL.



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MIDDLETON MUNI-MOREY FLD	KC29	MIDDLETON	WI	2A	2 DECEMBER 2021

CONTROLLING OBSTACLES:

RWY 10: 1108 FT MSL TANK 430654.30N/0893006.20W

RWY 28: 1217 FT MSL T-L TOWER 430722.26N/0893433.47W (CEILING) 1210 FT MSL T-L TOWER 430740.49N/0893433.56W (VISIBILITY) 1206 FT MSL T-L TOWER 430645.36N/0893434.14W (CLIMB GRADIENT/CLIMB-TO ALTITUDE).

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: 2549 MSL FT TOWER 430320.54N/0893206.33W.

REMARKS:

FLIGHT INSPECTED BY

SHAWN D MAXWELL

Digitally signed by

JASON KRETSCHMER

Sep 27, 2021

OFFICE

FPO

DATE

09/09/2021

DEVELOPED BY

JASON KRETSCHMER (CHARLES THIBODEAUX)

Digitally signed by

JASON KRETSCHMER

Feb 25, 2021

OFFICE

AJV-A421

DATE

12/08/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Feb 25, 2021

OFFICE

AJV-A420

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:**ZAU, MSN ATCT, APT MGR

CHANGES - REASONS:

- CHANGED RWY 10 TAKEOFF MINIMUMS FROM STANDARD TO 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 233 FT PER NM TO 1200, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FEET PRIOR TO DER. - NEW OBSTACLE TANK (55-001158) 1108 MSL.

- UPDATED RWY 10 TAKEOFF OBSTACLE NOTES - NEW OBSTACLE SURVEY .

- ADDED RWY 10 CONTROLLING OBSTACLE 1108 FT MSL TANK 430654.30N/0893006.20W - NEW OBSTACLES SURVEY.

