

**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.

|                    |                |                       |                |
|--------------------|----------------|-----------------------|----------------|
| <b>CITY, STATE</b> | <b>AIRPORT</b> | <b>EFFECTIVE DATE</b> | <b>AMDT NO</b> |
| FREMONT, MI        | FREMONT MUNI   | 8 NOVEMBER 2018       | ORIG-A         |

**TAKEOFF MINIMUMS:**

RWY 01, 10, 19, 28: STANDARD

**TEXTUAL DEPARTURE PROCEDURES:**

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 01: LIGHTING 40 FT FROM DER, 90 FT RIGHT OF CENTERLINE, 4 FT AGL/772 FT MSL. LIGHTING 40 FT FROM DER, 89 FT LEFT OF CENTERLINE, 4 FT AGL/772 FT MSL. TERRAIN 78 FT FROM DER, 483 FT LEFT OF CENTERLINE, 774 FT MSL. TRANSMISSION LINE 1154 FT FROM DER, 727 FT LEFT OF CENTERLINE, 49 FT AGL/817 FT MSL. TREE, CATENARY, POLE, TRANSMISSION LINE BEGINNING 1157 FT FROM DER, 41 FT RIGHT OF CENTERLINE, UP TO 843 FT MSL. TREE 1247 FT FROM DER, 659 FT LEFT OF CENTERLINE, 830 FT MSL. TREES BEGINNING 1358 FT FROM DER, 493 FT LEFT OF CENTERLINE, UP TO 842 FT MSL. TREE 2047 FT FROM DER, 970 FT LEFT OF CENTERLINE, 843 FT MSL. TREE 2632 FT FROM DER, 412 FT RIGHT OF CENTERLINE, 844 FT MSL.

NOTE: RWY 10: LIGHTING 6 FT FROM DER, 19 FT RIGHT OF CENTERLINE, 2 FT AGL/771 FT MSL. LIGHTING 7 FT FROM DER, 19 FT LEFT OF CENTERLINE, 2 FT AGL/771 FT MSL. TREES BEGINNING 910 FT FROM DER, 399 FT RIGHT OF CENTERLINE, UP TO 839 FT MSL. TREE 1458 FT FROM DER, 485 FT RIGHT OF CENTERLINE, 841 FT MSL. POLE 1486 FT FROM DER, 380 FT RIGHT OF CENTERLINE, 48 FT AGL/812 FT MSL. TREES BEGINNING 2254 FT FROM DER, 16 FT LEFT OF CENTERLINE, UP TO 855 FT MSL. TREE 2850 FT FROM DER, 326 FT RIGHT OF CENTERLINE, 863 FT MSL. TREE 3040 FT FROM DER, 225 FT RIGHT OF CENTERLINE, 867 FT MSL.

NOTE: RWY 19: LIGHTING 39 FT FROM DER, 124 FT RIGHT OF CENTERLINE, 4 FT AGL/755 FT MSL. LIGHTING 40 FT FROM DER, 125 FT LEFT OF CENTERLINE, 4 FT AGL/755 FT MSL. TRANSMISSION LINE 1139 FT FROM DER, 616 FT RIGHT OF CENTERLINE, 30 FT AGL/784 FT MSL. TREES BEGINNING 1759 FT FROM DER, 878 FT LEFT OF CENTERLINE, UP TO 810 FT MSL. TREE 2038 FT FROM DER, 318 FT RIGHT OF CENTERLINE, 806 FT MSL. TREES BEGINNING 2107 FT FROM DER, 239 FT RIGHT OF CENTERLINE, UP TO 813 FT MSL. TREES BEGINNING 2175 FT FROM DER, 395 FT RIGHT OF CENTERLINE, UP TO 814 FT MSL. TREES BEGINNING 2184 FT FROM DER, 464 FT RIGHT OF CENTERLINE, UP TO 822 FT MSL. TREES BEGINNING 2399 FT FROM DER, 1131 FT LEFT OF CENTERLINE, UP TO 824 FT MSL.

NOTE: RWY 28: TREE 742 FT FROM DER, 657 FT LEFT OF CENTERLINE, 829 FT MSL. TREES BEGINNING 951 FT FROM DER, 652 FT LEFT OF CENTERLINE, UP TO 838 FT MSL. TREE 1798 FT FROM DER, 498 FT RIGHT OF CENTERLINE, 863 FT MSL.

**CONTROLLING OBSTACLES:**

**REMARKS:**

|                             |  |                       |              |
|-----------------------------|--|-----------------------|--------------|
| <b>FLIGHT INSPECTED BY:</b> | <i>Digitally signed by</i><br><b>ROBERT G HAMILTON</b><br>Jul 23, 2018 | <b>OFFICE SYMBOL:</b> | <b>DATE:</b> |
| JEFFREY W HARING            |  | FICO                  | 7/17/18      |

|                      |  |                       |              |
|----------------------|--|-----------------------|--------------|
| <b>DEVELOPED BY:</b> | <i>Digitally signed by</i><br><b>GEORGETTE P BARNETT</b><br>Aug 17, 2017 | <b>OFFICE SYMBOL:</b> | <b>DATE:</b> |
| GEORGETTE BARNETT    |  | AJV-5422              | 08/15/2017   |

|                     |  |                       |              |
|---------------------|--|-----------------------|--------------|
| <b>APPROVED BY:</b> | <i>Digitally signed by</i><br><b>ROBERT G HAMILTON</b><br>Jul 23, 2018 | <b>OFFICE SYMBOL:</b> | <b>DATE:</b> |
| JULIE MORGAN        |  | AJV-5420              |              |

**REQUIRED EFFECTIVE DATE:**  
ROUTINE

**COORDINATED WITH:**

|                          |                                     |                                     |                          |                          |                                     |
|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| <b>A4A</b>               | <b>ALPA</b>                         | <b>AOPA</b>                         | <b>APA</b>               | <b>HAI</b>               | <b>NBAA</b>                         |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**OTHER:**  
ZAU, MKG APP CON, AMGR

**CHANGES - REASONS:**

1. RUNWAY NUMBERS CHANGED FROM RWY 36, 09, 18, 27, TO RWY 01, 10, 19, 28 - AIRPORT MAGVAR CHANGED FROM 4W/1995 TO 6W/2020.
2. UPDATED LOW CLOSE-IN OBSTACLES - NEW OBSTACLE DATA SURVEY.



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3. CHANGED RWY 27 TAKEOFF MINIMUMS: CHANGED FROM "300-1 1/2 OR STANDARD WITH A MINIMUM CLIMB OF 211 FEET PER NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FEET PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FEET PRIOR TO DEPARTURE END OF RUNWAY" TO "STANDARD" - NEW OBSTACLE DATA IN DATABASE.

