

**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>
KMLI	MOLINE	IL	3	23 FEBRUARY 2023

**TAKEOFF MINIMUMS:**

**RWY 27, 31:** STANDARD.  
**RWY 5:** 300-1 OR STANDARD WITH MINIMUM CLIMB OF 490 FT PER NM TO 800.  
**RWY 9:** 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 315 FT PER NM TO 900.  
**RWY 13:** 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 900.  
**RWY 23:** 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 705 FT PER NM TO 800.

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 5:** CLIMB ON HEADING 047.86 TO 2100 BEFORE TURNING LEFT.  
**RWY 9:** CLIMB ON HEADING 090.18 TO 1500 BEFORE TURNING LEFT.  
**RWY 13:** CLIMB ON HEADING 126.38 TO 1200 BEFORE TURNING.  
**RWY 23:** CLIMB ON HEADING 227.86 TO 1200 BEFORE TURNING.  
**RWY 27:** CLIMB ON HEADING 270.20 TO 1200 BEFORE TURNING.  
**RWY 31:** CLIMB ON HEADING 306.39 TO 1600 BEFORE TURNING.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 05:** SIGN 10 FT FROM DER, 113 FT RIGHT OF CENTERLINE, 3 FT AGL/584 FT MSL.  
 POLE 1167 FT FROM DER, 738 FT LEFT OF CENTERLINE, 56 FT AGL/643 FT MSL.  
 TOWER, POLE BEGINNING 1223 FT FROM DER, 673 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/656 FT MSL.  
 TREE 2514 FT FROM DER, 819 FT LEFT OF CENTERLINE, 685 FT MSL.  
 ANTENNA 2593 FT FROM DER, 1082 FT LEFT OF CENTERLINE, 134 FT AGL/741 FT MSL.  
 TOWER 2596 FT FROM DER, 1116 FT LEFT OF CENTERLINE, 130 FT AGL/737 FT MSL.

**NOTE: RWY 09:** LIGHTING 10 FT FROM DER, 5 FT LEFT OF CENTERLINE, 1 FT AGL/575 FT MSL.  
 LIGHTING 11 FT FROM DER, 4 FT RIGHT OF CENTERLINE, 1 FT AGL/575 FT MSL.  
 POLE 772 FT FROM DER, 683 FT LEFT OF CENTERLINE, 30 FT AGL/596 FT MSL.  
 TREES BEGINNING 4376 FT FROM DER, 1463 FT RIGHT OF CENTERLINE, UP TO 735 FT MSL.  
 TREES BEGINNING 4557 FT FROM DER, 1432 FT RIGHT OF CENTERLINE, UP TO 752 FT MSL.  
 TREES BEGINNING 4807 FT FROM DER, 1468 FT RIGHT OF CENTERLINE, UP TO 756 FT MSL.  
 TREES BEGINNING 5106 FT FROM DER, 1722 FT RIGHT OF CENTERLINE, UP TO 763 FT MSL.  
 TREE 5652 FT FROM DER, 1960 FT RIGHT OF CENTERLINE, 749 FT MSL.

**NOTE: RWY 13:** TREE 1408 FT FROM DER, 663 FT RIGHT OF CENTERLINE, 645 FT MSL.  
 TREES BEGINNING 1582 FT FROM DER, 432 FT RIGHT OF CENTERLINE, UP TO 647 FT MSL.  
 TREES BEGINNING 1591 FT FROM DER, 718 FT RIGHT OF CENTERLINE, UP TO 661 FT MSL.  
 TREES BEGINNING 1923 FT FROM DER, 719 FT RIGHT OF CENTERLINE, UP TO 674 FT MSL.  
 TREE 2785 FT FROM DER, 927 FT RIGHT OF CENTERLINE, 679 FT MSL.  
 TREES BEGINNING 2828 FT FROM DER, 573 FT RIGHT OF CENTERLINE, UP TO 685 FT MSL.  
 TREE 3059 FT FROM DER, 1173 FT RIGHT OF CENTERLINE, 686 FT MSL.  
 TREES BEGINNING 3233 FT FROM DER, 330 FT RIGHT OF CENTERLINE, UP TO 707 FT MSL.  
 TREE 3420 FT FROM DER, 1343 FT RIGHT OF CENTERLINE, 708 FT MSL.  
 TREES, TERRAIN BEGINNING 3479 FT FROM DER, 295 FT RIGHT OF CENTERLINE, UP TO 732 FT MSL.  
 TREES BEGINNING 3842 FT FROM DER, 291 FT RIGHT OF CENTERLINE, UP TO 740 FT MSL.  
 TREES BEGINNING 4099 FT FROM DER, 127 FT RIGHT OF CENTERLINE, UP TO 750 FT MSL.  
 TREES BEGINNING 4248 FT FROM DER, 47 FT RIGHT OF CENTERLINE, UP TO 756 FT MSL.  
 TREE, POLE, BUILDING BEGINNING 4400 FT FROM DER, 127 FT RIGHT OF CENTERLINE, UP TO 771 FT MSL.  
 TREES BEGINNING 4648 FT FROM DER, 169 FT RIGHT OF CENTERLINE, UP TO 772 FT MSL.  
 TREE 4650 FT FROM DER, 190 FT LEFT OF CENTERLINE, 709 FT MSL.  
 TREES BEGINNING 4817 FT FROM DER, 1161 FT RIGHT OF CENTERLINE, UP TO 779 FT MSL.  
 TREES BEGINNING 4993 FT FROM DER, 281 FT RIGHT OF CENTERLINE, UP TO 784 FT MSL.  
 TRANSMISSION LINE BEGINNING 5299 FT FROM DER, 405 FT LEFT OF CENTERLINE, UP TO 149 FT AGL/738 FT MSL.  
 TREES BEGINNING 5882 FT FROM DER, 1918 FT LEFT OF CENTERLINE, UP TO 763 FT MSL.  
 TREES BEGINNING 6014 FT FROM DER, 1151 FT LEFT OF CENTERLINE, UP TO 767 FT MSL.  
 TRANSMISSION LINE, TREES BEGINNING 1 NM FROM DER, 1843 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/785 FT MSL.  
 TREES BEGINNING 1.1 NM FROM DER, 1435 FT LEFT OF CENTERLINE, UP TO 777 FT MSL.  
 TREES BEGINNING 1.1 NM FROM DER, 1558 FT RIGHT OF CENTERLINE, UP TO 800 FT MSL.  
 TREES BEGINNING 1.2 NM FROM DER, 1420 FT LEFT OF CENTERLINE, UP TO 789 FT MSL.  
 TREES BEGINNING 1.3 NM FROM DER, 1657 FT LEFT OF CENTERLINE, UP TO 792 FT MSL.

**NOTE: RWY 23:** TREE 1573 FT FROM DER, 733 FT LEFT OF CENTERLINE, 663 FT MSL.  
 TREE 1607 FT FROM DER, 810 FT RIGHT OF CENTERLINE, 635 FT MSL.  
 TREE 1623 FT FROM DER, 759 FT LEFT OF CENTERLINE, 676 FT MSL.  
 TREE 1714 FT FROM DER, 784 FT LEFT OF CENTERLINE, 706 FT MSL.



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TREE 1717 FT FROM DER, 683 FT RIGHT OF CENTERLINE, 643 FT MSL.  
 TREES BEGINNING 1771 FT FROM DER, 560 FT LEFT OF CENTERLINE, UP TO 734 FT MSL.  
 TREE 1812 FT FROM DER, 858 FT LEFT OF CENTERLINE, 735 FT MSL.  
 TREE, POLE BEGINNING 1832 FT FROM DER, 276 FT LEFT OF CENTERLINE, UP TO 737 FT MSL.  
 TREES BEGINNING 1833 FT FROM DER, 550 FT RIGHT OF CENTERLINE, UP TO 645 FT MSL.  
 TREES BEGINNING 1904 FT FROM DER, 92 FT RIGHT OF CENTERLINE, UP TO 663 FT MSL.  
 TREES BEGINNING 2560 FT FROM DER, 216 FT LEFT OF CENTERLINE, UP TO 743 FT MSL.  
 TREE 2755 FT FROM DER, 205 FT RIGHT OF CENTERLINE, 666 FT MSL.  
 TREE 2756 FT FROM DER, 21 FT RIGHT OF CENTERLINE, 674 FT MSL.  
 TREES BEGINNING 2813 FT FROM DER, 238 FT LEFT OF CENTERLINE, UP TO 751 FT MSL.  
 TREES BEGINNING 2972 FT FROM DER, 193 FT RIGHT OF CENTERLINE, UP TO 698 FT MSL.  
 TREE, POLE BEGINNING 3082 FT FROM DER, 49 FT LEFT OF CENTERLINE, UP TO 754 FT MSL.  
 TREES BEGINNING 3109 FT FROM DER, 132 FT RIGHT OF CENTERLINE, UP TO 729 FT MSL.  
 TREE, POLE, BUILDING BEGINNING 3261 FT FROM DER, 16 FT LEFT OF CENTERLINE, UP TO 773 FT MSL.  
 TREES BEGINNING 3594 FT FROM DER, 39 FT RIGHT OF CENTERLINE, UP TO 739 FT MSL.  
 TREE 4537 FT FROM DER, 373 FT RIGHT OF CENTERLINE, 745 FT MSL.  
 TREE 4546 FT FROM DER, 183 FT RIGHT OF CENTERLINE, 748 FT MSL.  
 TREE, BUILDING BEGINNING 4550 FT FROM DER, 76 FT RIGHT OF CENTERLINE, UP TO 749 FT MSL.  
 TREES BEGINNING 5193 FT FROM DER, 29 FT RIGHT OF CENTERLINE, UP TO 754 FT MSL.  
 TRANSMISSION LINE BEGINNING 1.3 NM FROM DER, 742 FT LEFT OF CENTERLINE, UP TO 107 FT AGL/807 FT MSL.

**NOTE: RWY 27:** LIGHTING 9 FT FROM DER, 5 FT LEFT OF CENTERLINE, 1 FT AGL/579 FT MSL.  
 LIGHTING 10 FT FROM DER, 4 FT RIGHT OF CENTERLINE, 1 FT AGL/579 FT MSL.

**NOTE: RWY 31:** LIGHTING 39 FT FROM DER, 150 FT RIGHT OF CENTERLINE, 3 FT AGL/586 FT MSL.  
 TREE 1644 FT FROM DER, 270 FT LEFT OF CENTERLINE, 629 FT MSL.  
 TREE 2712 FT FROM DER, 263 FT RIGHT OF CENTERLINE, 654 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 5:** 741 FT MSL ANTENNA 412717.73N/0903005.74W (CEILING/CLIMB GRADIENT/CLIMB TO ALTITUDE), 737 FT MSL TOWER 412718.00N/0903006.00W (VISIBILITY).

**RWY 9:** 763 FT MSL TREE 412636.94N/0902819.41W (CEILING), 749 FT MSL TREE 412634.48N/0902812.30W (VISIBILITY), 752 FT MSL TREE 412639.92N/0902826.53W (CLIMB GRADIENT/CLIMB TO ALTITUDE).

**RWY 13:** 800 FT MSL TREE 412533.54N/0902843.54W (CEILING), 787 FT MSL TREE 412601.23N/0902800.93W (VISIBILITY), 771 FT MSL TREE 412555.32N/0902906.04W (CLIMB GRADIENT/CLIMB TO ALTITUDE).

**RWY 23:** 829 FT MSL TREE 412518.92N/0903159.56W (CEILING/VISIBILITY), 734 FT MSL TREE 412611.48N/0903106.19W (CLIMB GRADIENT), 773 FT MSL TREE 412602.17N/0903121.37W (CLIMB TO ALTITUDE).

**OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:**

**RWY 5, 9, 13, 23, 27, 31:** 2048 FT MSL TOWER 413248.70N/0902837.70W.

**REMARKS:**

FULL AMENDMENT DUE TO RWY 5/23 LENGTH BEING SHORTENED FROM 5015 TO 3515.  
 100 FT VEGETATION USED.

**FLIGHT INSPECTED BY** *Digitally signed by*

GLEN B FREEMAN **ERIC N SUSKI**  
 Jan 12, 2023

**OFFICE**  
 FPO

**DATE**  
 01/10/2023

**DEVELOPED BY**

*Digitally signed by*  
 LIAM DONAHUE **LIAM DONAHUE**  
 Jun 06, 2022

**OFFICE**

AJV-A431

**DATE**

04/08/2022

**APPROVED BY**

*Digitally signed by*  
 CASIMIR TABAKA **ERIC N SUSKI**  
 Jan 12, 2023

**OFFICE**

AJV-A430

**DATE**

11/03/2022

**TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZAU, QUAD CITY APP CON, MLI TOWER, AMGR



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**CHANGES - REASONS:**

1. ADDED TAKEOFF MINIMUMS OF 300-1 OR STANDARD WITH MINIMUM CLIMB OF 490 FT PER NM TO 800 TO RWY 5. - NEW ICA PENETRATIONS.
2. CHANGED RWY 5 DEPARTURE PROCEDURE FROM: CLIMB ON HEADING 062.85 TO 2000 BEFORE TURNING LEFT TO: CLIMB ON HEADING 047.86 TO 2100 BEFORE TURNING LEFT. - OBSTACLE THAT WAS CAUSING AN IMMEDIATE TURN NO LONGER A FACTOR AND DEPARTURE ROUTE EVAL CALLS FOR AN INCREASE FROM 2000 TO 2100 PRIOR TO TURNING LEFT.
3. UPDATED TAKEOFF OBSTACLE NOTES. - NEW SURVEY.
4. ADDED CEILING, CG/CLIMB TO ALTITUDE, AND VISIBILITY CONTROLLING OBSTACLES FOR RWY 5. - NEW SURVEY.
5. CHANGED RWY 23 CONTROLLING OBSTACLES FROM: 807 FT MSL TRANSMISSION LINE 412529.00N/0903206.00W (CEILING), 793 FT MSL TRANSMISSION LINE TO: 829 FT MSL TREE 412518.92N/0903159.56W (CEILING/VISIBILITY), 734 FT MSL TREE 412611.48N/0903106.19W (CLIMB GRADIENT), 773 FT MSL TREE 412602.17N/0903121.37W (CLIMB TO ALTITUDE). - NEW SURVEY PLUS MAP STUDY.
6. REMOVED 1062 FT MSL TOWER FROM OBSTACLES MANDATING ODP ROUTE DEVELOPMENT - OBSTACLE NO LONGER A FACTOR.
7. ADDED FULL AMENDMENT DUE TO RWY 5/23 LENGTH BEING SHORTEND FROM 5015 TO 3515 TO REMARKS. - PROVIDE CLARITY.

