

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
HANCOCK, MI	HOUGHTON COUNTY MEMORIAL	15 DEC 2011	3

TAKEOFF MINIMUMS:

RWY 7, 13: STANDARD.

RWY 25: 400-2 ½ OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 1600 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DER.

RWY 31: 300-1 ½ OR STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 1400 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2200 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 7, VEHICLES ON ROADWAY BEGINNING 27 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/1094 FT MSL. TREES BEGINNING 445 FT FROM DER, 236 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/1120 FT MSL. TREES BEGINNING 1491 FT FROM DER, 240 FT RIGHT OF CENTERLINE, UP TO 61 FT AGL/1122 FT MSL.

NOTE: RWY 13, TREES BEGINNING 133 FT FROM DER, 513 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1139 FT MSL.

NOTE: RWY 25, VEHICLES ON ROADWAY BEGINNING 27 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/1094 FT MSL. TREES BEGINNING 386 FT FROM DER, 397 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/1145 FT MSL. TREES BEGINNING 1769 FT FROM DER, 405 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/1178 FT MSL.

NOTE: RWY 31, TREES BEGINNING 1625 FT FROM DER, 77 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1299 FT MSL. TREES BEGINNING 1814 FT FROM DER, 496 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/1202 FT MSL.

CONTROLLING OBSTACLES:

RWY 25: 1399 FT MSL TOWER 470827.00N/0883227.00W.

RWY 31: 1299 FT MSL TREE 471129.94N/0883046.80W, 1299 FT MSL TREE 471130.00N/0883054.00W.

