

**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.

---

<b>City, State</b>	<b>Airport</b>	<b>Effective Date</b>	<b>Amdt. No.</b>
BISMARCK, ND	BISMARCK MUNI	10 MAR 2011	8

---

**TAKEOFF MINIMUMS:**

RWY 3, 13, 21, 31, STANDARD

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 13, CLIMB HEADING 130.58 TO 2400 BEFORE TURNING RIGHT.  
RWY 21, CLIMB HEADING 212.04 TO 3700 BEFORE TURNING LEFT.  
RWY 31, CLIMB HEADING 310.60 TO 2200 BEFORE TURNING RIGHT.

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 13, TREES AND POLE BEGINNING 864 FT FROM DER, 721 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/1696 FT MSL.  
NOTE: RWY 31, LIGHT POLE 1424 FT FROM DER, 872 FT RIGHT OF CENTERLINE, 43 FT AGL/1702 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 13: 3373 FT MSL TOWER 463620.00N/1004827.00W  
RWY 21: 3373 FT MSL TOWER 463620.00N/1004827.00W  
RWY 31: 2146 FT MSL TOWER 464938.09N/1004630.17W

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:**

RWY 13 – 3373 FT MSL TOWER 463620.00N/1004827.00W, 3424 FT MSL TOWER 463523.00N/1004821.00W  
RWY 21 – 3373 FT MSL TOWER 463620.00N/1004827.00W, 3424 FT MSL TOWER 463523.00N/1004821.00W, 3308 FT MSL TOWER 463523.00N/1004803.00W  
RWY 31 – 2146 FT MSL TOWER 464938.09N/1004630.17W, 2049 FT MSL BLDG 464915.00N/1004657.00W, 2089 FT MSL TOWER 464932.00N/1004607.00W

QUALITY  
2  
CHECKED