

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.
Worthington, MN	Worthington Muni		3

TAKEOFF MINIMUMS:

RWY 11, 29, 36: STANDARD.

RWY 18: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 233 FT PER NM TO 1900, OR ALTERNATELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

RWY 29-CLIMB HEADING 292.74 TO 2100 BEFORE TURNING LEFT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, REIL BEGINNING 34 FT FROM DER, 78 FT LEFT OF CENTERLINE, 4 FT AGL/1577 FT MSL. VOR/DME 1201 FT FROM DER, 432 FT LEFT OF CENTERLINE, 35 FT AGL/1606 FT MSL. POLE 7390 FT FROM DER, 1989 FT LEFT OF CENTERLINE, 195 FT AGL/1781 FT MSL. REIL BEGINNING 34 FT FROM DER, 78 FT RIGHT OF CENTERLINE, 4 FT AGL/1577 FT MSL. POLES BEGINNING 455 FT FROM DER, 530 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/1610 FT MSL. BUILDING 703 FT FROM DER, 627 FT RIGHT OF CENTERLINE, 20 FT AGL/1611 FT MSL.

NOTE: RWY 29, VEHICLES ON ROAD BEGINNING 106 FT FROM DER, 258 FT LEFT OF CENTERLINE, UP TO 18 FT AGL/1587 FT MSL. TREES BEGINNING 1083 FT FROM DER, 475 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/1625 FT MSL. TERRAIN BEGINNING 17 FT FROM DER, 2 FT RIGHT OF CENTERLINE, 1574 FT MSL.

NOTE: RWY 36, LIGHT SUPPORT STRUCTURE 10 FT FROM DER, 18 FT LEFT OF CENTERLINE, 3 FT AGL/1574 FT MSL. LIGHT SUPPORT STRUCTURE 10 FT FROM DER, 17 FT RIGHT OF CENTERLINE, 3 FT AGL/1574 FT MSL.

CONTROLLING OBSTACLES:

RWY 18: 1794 FT MSL ELEVATOR 433747.00N/0953433.00W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 29 - 2307 FT MSL TOWER 433748.00N/0954043.00W.



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Worthington, MN	Worthington Muni		3

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

GRACE NOWAK AJV-353 6/23/2012

APPROVED BY:

LARRY H. STROUT AJV-353

COORDINATED WITH:

ALPA, AOPA, NBAA, ZMP, KOTG AMGR

CHANGES:

1. CHANGED TAKEOFF MINIMUMS FOR RWY 17 FROM "300-1" TO "300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 233 FT PER NM TO 1900, OR ALTERNATELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100 FT PRIOR TO DER".
2. CHANGED TEXTUAL DEPARTURE PROCEDURES FROM "RWYS 11, 17, 29, 35: WHEN WEATHER IS BELOW 800-1, CLIMB RUNWAY HEADING TO 2400 FEET BEFORE TURNING" TO "RWY 29-CLIMB HEADING 292.74 TO 2100 BEFORE TURNING LEFT".
3. UPDATED CONTROLLING OBSTACLE DATA TO INCLUDE OBSTACLE MANDATING ODP ROUTE DEVELOPMENT STATEMENT.

REASONS:

- 1-3. PER CRITERIA CHANGE IAW 8260.46D.





Federal Aviation Administration

Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Larry Strout, Manager, Terminal Procedures & Charting Services, Central Team, AJV-353

Subject: **ACTION:** Magnetic Variation Change

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility' column will be revised effective concurrent with the publication of the procedure(s) listed below.

- ILS OR LOC RWY 29, AMDT 1
- NDB RWY 29, AMDT 1
- RNAV (GPS) RWY 11, ORIG
- RNAV (GPS) RWY 18, ORIG
- RNAV (GPS) RWY 29, ORIG
- RNAV (GPS) RWY 36, ORIG
- TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 3
- VOR RWY 11, AMDT 3
- VOR RWY 18, AMDT 10
- VOR RWY 36, AMDT 6

Estimated Chart Date: 11/15/2012

Runway Numbers are affected with the airport rotation; 17/35 change to 18/36, 11/29 will not be changed.

Please publish these changes in the National Flight Data Digest.

MINNESOTA

<u>Location</u>	<u>Name</u>	<u>Airport /Facility</u>	<u>Identifier</u>	<u>Assigned Magnetic Variation Value</u>	<u>Epoch Year</u>
Worthington	Worthington Muni	Airport	KOTG / OTG	Old 7° East New 2° East	2015
Worthington		ILS	OTG	Old 7° East New 2° East	2015
Worthington	WONDO	NDB/C (NDB/LOM)	OTGOT	Old 7° East New 2° East	2015

If you have any questions please notify Larry H. Strout, larry.h.strout@faa.gov (301) 427-4750

cc: FTW-FPT, AVJ-3rf

AJV-353; LStrout:subj:x7537:05/22/2012 :U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\MV Change Request for Worthington, MN (KOTG) 5-22-12

Requestor:GNowak, AJW-3762:CTerrell], Evaluated By:LFortier

OTGOT (WONDO) NDB/C

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-353 J Olson
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-353 LStrout
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-341 JAlfonso
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