

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

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City, State	Airport	Effective Date	Amdt. No.
NORTH ADAMS, MA	HARRIMAN-AND-WEST	12 NOVEMBER 2015	ORIG

TAKEOFF MINIMUMS:

RWY 11, 1100-2 1/4 WITH MINIMUM CLIMB OF 558 FT PER NM TO 4200 OR STANDARD WITH MINIMUM CLIMB OF 830 FT PER NM TO 3600 OR 3500-3 FOR VCOA.

RWY 29, 900-3 WITH MINIMUM CLIMB OF 660 FT PER NM TO 3800 OR STANDARD WITH MINIMUM CLIMB OF 843 FT PER NM TO 3500 OR 3500-3 FOR VOCA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 11 – CLIMB HEADING 110.56 TO 4000 BEFORE PROCEEDING ON COURSE.

RWY 29 – CLIMB HEADING 290.57 TO 3800 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 11, 29: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS HARRIMAN-AND-WEST AIRPORT AT OR ABOVE 4000 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE RWY 11: BUILDING 3 FT FROM DER, 420 FT LEFT OF CENTERLINE, 15 FT AGL/664 FT MSL.
POLE AND TREES BEGINNING 33 FT FROM DER, 360 FT RIGHT OF CENTERLINE, UP TO 22 FT AGL/692 FT MSL. VEHICLES ON ROAD 49 FT FROM DER, CROSSING CENTERLINE, 15 FT AGL/661 FT MSL.
MULTIPLE TREES AND BUILDING CONTINUING FROM 149 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 85 FT AGL/730 FT MSL.
MULTIPLE TREES, POLES AND BUILDINGS CONTINUING FROM 198 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 57 FT AGL/746 FT MSL.
TREES AND POLES CONTINUING FROM 546 FT FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 71 FT AGL/760 FT MSL.
MULTIPLE TREES AND BUILDINGS CONTINUING FROM 607 FT FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 79 FT AGL/768 FT MSL.
MULTIPLE TREES AND POLES CONTINUING FROM 794 FT FROM DER, FROM 708 FT RIGHT AND ACROSS CENTERLINE, UP TO 92 FT AGL/781 FT MSL.
MULTIPLE TREES AND BUILDING ON RISING HILLSIDE CONTINUING FROM 1459 FT FROM DER FROM 843 FT RIGHT AND ACROSS CENTERLINE, UP TO 64 FT AGL/793 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 1625 FT FROM DER, FROM 880 FT RIGHT AND ACROSS CENTERLINE, UP TO 79 FT AGL/827 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 2010 FT FROM DER, FROM 1009 FT RIGHT AND ACROSS CENTERLINE, UP TO 107 FT AGL/856 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 2510 FT FROM DER, FROM 1169 FT RIGHT AND CROSSING CENTERLINE, UP TO 93 FT AGL/882 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 3537 FT FROM DER, 33 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/907 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 4322 FT FROM DER, 205 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/955 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 4809 FT FROM DER, 603 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/971 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 4842 FT FROM DER, 292 FT RIGHT OF CENTERLINE, UP TO 89 FT AGL/995 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 4975 FT FROM DER, 330 FT RIGHT OF CENTERLINE, UP TO 74 FT AGL/1000 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 5081 FT FROM DER, 408 FT RIGHT OF CENTERLINE, UP TO 84 FT AGL/1009 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 5178 FT FROM DER, 146 FT RIGHT OF CENTERLINE, UP TO 79 FT AGL/1024 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 5315 FT FROM DER, 114 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1065 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 5443 FT FROM DER, 270 FT RIGHT OF CENTERLINE, UP TO 108 FT AGL/1112 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 5610 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 105 FT AGL/1129 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 5767 FT FROM DER, CROSSING CENTERLINE, UP TO 80 FT AGL/1163 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 5889 FT FROM DER, CROSSING CENTERLINE, UP TO 105 FT AGL/1188 FT MSL.
TREES NEAR HILLTOP CONTINUING FROM 1 NM FROM DER, CROSSING CENTERLINE, UP TO 90 FT AGL/1232 FT MSL.
TREES NEAR HILLTOP CONTINUING FROM 1.1 NM FROM DER, CROSSING CENTERLINE, UP TO 86 FT AGL/1287 FT MSL.
TREES ON RISING HILLSIDE AND ALONG HILLTOP CONTINUING FROM 1.2 NM FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/1306 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 1.2 NM FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 91 FT AGL/1294 FT MSL.
TREES ON HILLTOP 1.9 NM FROM DER, 3504 FT RIGHT OF CENTERLINE, UP TO 111 FT AGL/1705 FT MSL.
TRMSN TWR AND TRMSN LINE 2 NM FROM DER, CROSSING CENTERLINE, 50 FT AGL/1527 FT MSL.

NOTE RWY 29: POLE 9 FT FROM DER, 49 FT RIGHT OF CENTERLINE, 4 FT AGL/653 FT MSL.
TREES BEGINNING 60 FT FROM DER, 314 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/707 FT MSL.
TREES CONTINUING FROM 143 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 75 FT AGL/745 FT MSL.
TREES CONTINUING FROM 427 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 96 FT AGL/765 FT MSL.
MULTIPLE BLDGS 827 FT FROM DER, 501 FT LEFT OF CENTERLINE, UP TO 28 FT AGL/717 FT MSL.
TREES AND BUILDINGS CONTINUING FROM 1061 FT FROM DER, 26 FT LEFT OF CENTERLINE, UP TO 94 FT AGL/782 FT MSL.
TREES AND BUILDINGS CONTINUING FROM 1487 FT FROM DER, 56 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/726 FT MSL.
TREES AND BUILDINGS CONTINUING FROM 1667 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60 FT AGL/828 FT MSL.



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TREES CONTINUING FROM 1975 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/865 FT MSL.
MULTIPLE TREES, BLDGS, AND VEHICLES, CONTINUING FROM 2172 FT FROM DER, UP TO 99 FT AGL/886 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 1.1 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FT AGL/966 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 1.4 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 93 FT AGL/1038 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 1.5 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 99 FT AGL/1043 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 1.6 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 112 FT AGL/1116 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 1.6 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 74 FT AGL/1197 FT MSL.
TREES ON HILLTOP CONTINUING FROM 1.7 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 119 FT AGL/1215 FT MSL.
TREES ON RISING HILLSIDE CONTINUING FROM 2.3 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 75 FT AGL/1295 FT MSL.
TREES ON RISING HILLSIDE TO HILLTOP CONTINUING FROM 2.4 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 51 FT AGL/1479 FT MSL.

CONTROLLING OBSTACLES:

RWY 11: 827 FT MSL TREE 424133.61N-0730925.11W (830 FT PER NM CLIMB GRADIENT), 1705 FT MSL TREE 424056.66N-0730717.33W (CEILING, VISIBILITY), 3168 FT MSL WINDMILL 424243.00N-0730117.91W (558 FT PER NM CLIMB GRADIENT, 4200 MSL CLIMB-TO ALTITUDE)

RWY 29: 886 FT MSL TREE 424141.96N-0731112.97W (843 FT PER NM CLIMB GRADIENT, CEILING), 871 FT MSL TREE 424142.40N-0731116.76W (VISIBILITY), 3019 FT MSL AAO 424131.58N-0731708.88W (660 FT PER NM CLIMB GRADIENT, 3800 MSL CLIMB-TO ALTITUDE)

RWY 11, 29 (VCOA): 3688 FT MSL TOWER 423814.00N-0731005.00W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 11 – 3688 FT MSL TOWER 423814.00N-0731005.00W, 3188 FT MSL WINDMILL 424254.70N-0730124.99W

RWY 29 - 3688 FT MSL TOWER 423814.00N-0731005.00W, 2322 FT MSL TREE 424316.11N-0730959.31W



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REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

BOB S PRESSLER *Digitally signed by* FICO 09/02/2015
JULIE A MORGAN

ROUTINE

DEVELOPED BY: Sep 09, 2015

JON DENTON AJV-5433 *Digitally signed by* **JON DENTON** 06/02/2015
Jul 31, 2015

APPROVED BY: *Digitally signed by*
JULIE A MORGAN
ADOLPHO URRUTIA Sep 09, 2015 AJV-541

COORDINATED WITH:

ZBW, ALB APP CON, AMGR, ALPA, AOPA, NBAA

CHANGES:

REASONS:

