

**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.

<b>CITY, STATE</b>	<b>AIRPORT</b>	<b>EFFECTIVE DATE</b>	<b>AMDT NO</b>
GRAYLING, AK	GRAYLING	12 OCTOBER 2017	ORIG

**TAKEOFF MINIMUMS:**

RWY 17: STANDARD WITH MINIMUM CLIMB OF 290 FT PER NM TO 1200, OR 1700-2 1/2 FOR VCOA.

RWY 35: 800-3 OR STANDARD WITH MINIMUM CLIMB OF 390 FT PER NM TO 1400, OR 1700-2 1/2 FOR VCOA.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 17: CLIMB ON A HEADING BETWEEN 360 CW 160 FROM DEPARTURE END OF RUNWAY TO 1200 BEFORE PROCEEDING ON COURSE.

RWY 35: CLIMB ON A HEADING BETWEEN 360 CW 160 FROM DEPARTURE END OF RUNWAY TO 1400 BEFORE PROCEEDING ON COURSE.

**VISUAL CLIMB OVER AIRPORT:**

OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS GRAYLING AIRPORT AT OR ABOVE 1700 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 17, BUSH 49 FT FROM DER, 397 FT RIGHT OF CENTERLINE, 6 FT AGL/150 FT MSL.

TREES BEGINNING 63 FT FROM DER, 336 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/234 FT MSL.

TREES BEGINNING 597 FT FROM DER, 395 FT RIGHT OF CENTERLINE, UP TO 88 FT AGL/243 FT MSL.

TREE 655 FT FROM DER, 547 FT RIGHT OF CENTERLINE, 94 FT AGL/251 FT MSL.

TREES BEGINNING 1196 FT FROM DER, 543 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/264 FT MSL.

TREES BEGINNING 1879 FT FROM DER, 322 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/272 FT MSL.

TREES BEGINNING 2123 FT FROM DER, 281 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/279 FT MSL.

TREES BEGINNING 2317 FT FROM DER, 480 FT RIGHT OF CENTERLINE, UP TO 103 FT AGL/283 FT MSL.

TREES BEGINNING 4041 FT FROM DER, 683 FT RIGHT OF CENTERLINE, UP TO 103 FT AGL/289 FT MSL.

TREES BEGINNING 4646 FT FROM DER, 1031 FT RIGHT OF CENTERLINE, UP TO 107 FT AGL/293 FT MSL.

NOTE: RWY 35, BUSHES BEGINNING 39 FT FROM DER, 155 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/96 FT MSL.

SIGNS BEGINNING 55 FT FROM DER, 419 FT LEFT OF CENTERLINE, UP TO 12 FT AGL/103 FT MSL.

TREE 747 FT FROM DER, 128 FT RIGHT OF CENTERLINE, 38 FT AGL/116 FT MSL.

TREES BEGINNING 812 FT FROM DER, 108 FT RIGHT OF CENTERLINE, UP TO 52 FT AGL/133 FT MSL.

TREE 1116 FT FROM DER, 605 FT LEFT OF CENTERLINE, 52 FT AGL/134 FT MSL.

TREES BEGINNING 1303 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/140 FT MSL.

TREES BEGINNING 1697 FT FROM DER, 334 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/141 FT MSL.

TREE 1912 FT FROM DER, 585 FT LEFT OF CENTERLINE, 62 FT AGL/145 FT MSL.

TREES BEGINNING 2060 FT FROM DER, 210 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/148 FT MSL.

TREE 2147 FT FROM DER, 345 FT RIGHT OF CENTERLINE, 58 FT AGL/150 FT MSL.

TREES BEGINNING 2257 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/152 FT MSL.

TREE 2383 FT FROM DER, 693 FT LEFT OF CENTERLINE, 68 FT AGL/154 FT MSL.

TREES BEGINNING 2997 FT FROM DER, 326 FT RIGHT OF CENTERLINE, UP TO 51 FT AGL/179 FT MSL.

TREE 3124 FT FROM DER, 414 FT RIGHT OF CENTERLINE, 52 FT AGL/185 FT MSL.

TREE 3155 FT FROM DER, 1189 FT LEFT OF CENTERLINE, 83 FT AGL/190 FT MSL.

TREES BEGINNING 3158 FT FROM DER, 198 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/211 FT MSL.

TREES, TANK AND TOWER BEGINNING 3169 FT FROM DER, 185 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/230 FT MSL.

TREES BEGINNING 3643 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 66 FT AGL/257 FT MSL.

TREES BEGINNING 1.4 NM FROM DER, 190 FT LEFT OF CENTERLINE, UP TO 103 FT AGL/396 FT MSL.

TREES BEGINNING 1.4 NM FROM DER, 370 FT RIGHT OF CENTERLINE, UP TO 88 FT AGL/404 FT MSL.

TREES BEGINNING 1.6 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 93 FT AGL/588 FT MSL.

TREES BEGINNING 2.2 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 83 FT AGL/756 FT MSL.

TREES BEGINNING 2.4 NM FROM DER, ON CENTERLINE, UP TO 63 FT AGL/808 FT MSL.

TREES BEGINNING 2.5 NM FROM DER, ON CENTERLINE, UP TO 53 FT AGL/848 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 17: 293 FT MSL TREE 625229.09N/1600436.59W (CLIMB GRADIENT/CEILING/VIS)

1009 FT MSL AAO 624905.00N/1600624.00W (CLIMB GRADIENT TERMINATION ALTITUDE)

RWY 35: 846 FT MSL TREE 625623.65N/1600332.27W (CEILING)

768 FT MSL TREE 625626.45N/1600342.08W (VISIBILITY)

846 FT MSL TREE 625622.86N/1600330.29W (CLIMB GRADIENT)

1249 AAO 625818.00N/1600504.00W (CLIMB GRADIENT TERMINATION ALTITUDE)

VCOA: 1051 FT MSL BUSH 625255.88N/1600607.64W, 1665 FT MSL AAO 625730.00N/1601023.00W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 17: 1775 FT MSL AAO 624908.00N/1602205.00W

RWY 35: 1883 FT MSL AAO 630017.00N/1600920.00W

**REMARKS:**

QUALITY  
4  
CHECKED

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GRAYLING, AK	GRAYLING	12 OCTOBER 2017	ORIG

**FLIGHT INSPECTED BY:**

KIM M BROWN

*Digitally signed by*

**ALLAN WILL**

May 30, 2017

**OFFICE SYMBOL:**

FICO

**DATE:**

02/21/2017

**DEVELOPED BY:**

ROBERT ABBOTT

*Digitally signed by*

**ROBERT G ABBOTT**

Dec 21, 2016

**OFFICE SYMBOL:**

AJV-5412

**DATE:**

11/02/2016

**APPROVED BY:**

GEORGE DAVIS

*Digitally signed by*

**ALLAN WILL**

May 30, 2017

**OFFICE SYMBOL:**

AJV-5410

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

**A4A**      **ALPA**      **AOPA**      **APA**      **HAI**      **NBAA**



**OTHER:**

ZAN, WFPT, APT MGR, AK DOT DIV OF STATEWIDE AVIATION

**CHANGES - REASONS:**

EFFECTIVE CONCURRENT WITH: AIRSPACE DOCKET 16-AAL-4

QUALITY  
4  
CHECKED