

**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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
TOLEDO, OH	TOLEDO EXPRESS	20 JUNE 2019	3

TAKEOFF MINIMUMS:
STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 7: VEHICLES ON ROAD BEGINNING 246 FT FROM DER, 525 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/671 FT MSL. TREE 1339 FT FROM DER, 667 FT LEFT OF CENTERLINE, 700 FT MSL. TREES BEGINNING 1903 FT FROM DER, 799 FT RIGHT OF CENTERLINE, UP TO 741 FT MSL. TREE 2392 FT FROM DER, 852 FT LEFT OF CENTERLINE, 734 FT MSL. TREE 2604 FT FROM DER, 1047 FT LEFT OF CENTERLINE, 756 FT MSL.

NOTE: RWY 16: TERRAIN 59 FT FROM DER, 496 FT LEFT OF CENTERLINE, 671 FT MSL. TREE 618 FT FROM DER, 659 FT RIGHT OF CENTERLINE, 739 FT MSL. TREES BEGINNING 719 FT FROM DER, 42 FT RIGHT OF CENTERLINE, UP TO 752 FT MSL. TREE 985 FT FROM DER, 478 FT LEFT OF CENTERLINE, 694 FT MSL. TREE 1021 FT FROM DER, 518 FT LEFT OF CENTERLINE, 714 FT MSL. TREE 1043 FT FROM DER, 571 FT LEFT OF CENTERLINE, 730 FT MSL. TREE 1139 FT FROM DER, 711 FT LEFT OF CENTERLINE, 732 FT MSL. TREE 1279 FT FROM DER, 806 FT LEFT OF CENTERLINE, 745 FT MSL. TREE 1318 FT FROM DER, 689 FT LEFT OF CENTERLINE, 753 FT MSL. TREES BEGINNING 1388 FT FROM DER, 648 FT LEFT OF CENTERLINE, UP TO 757 FT MSL. TREES BEGINNING 1491 FT FROM DER, 80 FT LEFT OF CENTERLINE, UP TO 758 FT MSL. TREES BEGINNING 2607 FT FROM DER, 155 FT RIGHT OF CENTERLINE, UP TO 765 FT MSL. TREES BEGINNING 2704 FT FROM DER, 36 FT RIGHT OF CENTERLINE, UP TO 767 FT MSL. TREES BEGINNING 3029 FT FROM DER, 45 FT RIGHT OF CENTERLINE, UP TO 786 FT MSL.

NOTE: RWY 25: VEGETATION 245 FT FROM DER, 473 FT RIGHT OF CENTERLINE, 692 FT MSL. VEGETATION 485 FT FROM DER, 527 FT RIGHT OF CENTERLINE, 695 FT MSL. TREE 2214 FT FROM DER, 870 FT RIGHT OF CENTERLINE, 746 FT MSL. TREE 2362 FT FROM DER, 907 FT LEFT OF CENTERLINE, 780 FT MSL.

NOTE: RWY 34: VEHICLES ON ROAD BEGINNING 247 FT FROM DER, 488 FT LEFT OF CENTERLINE, UP TO 10 FT AGL/689 FT MSL. POLE, VEHICLES ON ROAD BEGINNING 445 FT FROM DER, 533 FT LEFT OF CENTERLINE, UP TO 38 FT AGL/713 FT MSL. VEHICLES ON ROAD BEGINNING 574 FT FROM DER, 622 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/689 FT MSL. POLE 632 FT FROM DER, 539 FT LEFT OF CENTERLINE, 38 FT AGL/714 FT MSL. POLES, TREE BEGINNING 704 FT FROM DER, 522 FT LEFT OF CENTERLINE, UP TO 38 FT AGL/715 FT MSL. TREES, POLE BEGINNING 1036 FT FROM DER, 411 FT LEFT OF CENTERLINE, UP TO 718 FT MSL. TREES BEGINNING 1272 FT FROM DER, 156 FT LEFT OF CENTERLINE, UP TO 752 FT MSL. POLE 1287 FT FROM DER, 699 FT RIGHT OF CENTERLINE, 36 FT AGL/711 FT MSL. TREES BEGINNING 1826 FT FROM DER, 102 FT RIGHT OF CENTERLINE, UP TO 760 FT MSL. TREES BEGINNING 2489 FT FROM DER, 90 FT LEFT OF CENTERLINE, UP TO 761 FT MSL. TREES, TOWER, GRAIN ELEVATOR BEGINNING 2726 FT FROM DER, 92 FT LEFT OF CENTERLINE, UP TO 780 FT MSL. TREE 2912 FT FROM DER, 119 FT RIGHT OF CENTERLINE, 766 FT MSL. TREES BEGINNING 2953 FT FROM DER, 451 FT RIGHT OF CENTERLINE, UP TO 780 FT MSL.

CONTROLLING OBSTACLES:



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REMARKS:

FLIGHT INSPECTED BY:

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED.

OFFICE SYMBOL:

DATE:

Digitally signed by

DEVELOPED BY:

DAVID DANNER (JOHN LINDSEY)

Digitally signed by

DAVID DANNER

Feb 15, 2019

DAVID DANNER

Feb 15, 2019

OFFICE SYMBOL:

AJV-A421

DATE:

01/30/2019

APPROVED BY:

JULIE A. MORGAN

Digitally signed by

DAVID DANNER

Feb 15, 2019

OFFICE SYMBOL:

AJV-A420

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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



OTHER:

ZOB, TOL APP CON, TOL ATCT, AMGR

CHANGES - REASONS:

1. ADDED TAKEOFF OBSTACLE NOTES - IAW 8260.46 APPENDIX D, SECTION 1, PARA 6C(1).
2. CHANGED RWY 16 TAKEOFF MINIMUMS FROM "300-1 OR STANDARD WITH MINIMUM CLIMB OF 260' PER NM TO 1000'", TO READ "STANDARD" - ONLY LOW CLOSE IN PENETRATIONS FOUND WHEN USING CURRENT SURVEY OBSTACLE DATA.
3. REMOVED RWY 25 IFR DEPARTURE PROCEDURE "CLIMB RUNWAY HEADING TO 1100 BEFORE TURNING" - NO PENETRATIONS EXIST TO THE DIVERSE A/B EVALUATION AREAS WHEN USING CURRENT SURVEY OBSTACLE DATA.