

**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>AIRPORT</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
CARROLL COUNTY-TOLSON	KTSO	CARROLLTON	OH	5	

**TAKEOFF MINIMUMS:**

RWY 25: STANDARD.

RWY 7: 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 611 FT PER NM TO 1400.

**TEXTUAL DEPARTURE PROCEDURES:**

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 07, TREES, POLES BEGINNING 28 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/1232 FT MSL.

TREES BEGINNING 343 FT FROM DER, 177 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/1187 FT MSL.

TREES BEGINNING 403 FT FROM DER, 117 FT RIGHT OF CENTERLINE, UP TO 1195 FT MSL.

TREE 613 FT FROM DER, 205 FT RIGHT OF CENTERLINE, 77 FT AGL/1203 FT MSL.

TREES BEGINNING 625 FT FROM DER, 54 FT RIGHT OF CENTERLINE, UP TO 1212 FT MSL.

TREES, BUILDING BEGINNING 1511 FT FROM DER, 502 FT LEFT OF CENTERLINE, UP TO 1246 FT MSL.

TREES BEGINNING 1549 FT FROM DER, 538 FT RIGHT OF CENTERLINE, UP TO 1223 FT MSL.

TREES BEGINNING 1566 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 1248 FT MSL.

TREE 1666 FT FROM DER, 612 FT LEFT OF CENTERLINE, 1270 FT MSL.

TREES BEGINNING 1671 FT FROM DER, 38 FT LEFT OF CENTERLINE, UP TO 1299 FT MSL.

TREES BEGINNING 1779 FT FROM DER, 25 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/1253 FT MSL.

TREES BEGINNING 1836 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 1311 FT MSL.

TREES BEGINNING 1926 FT FROM DER, 41 FT LEFT OF CENTERLINE, UP TO 1312 FT MSL.

TREES BEGINNING 1961 FT FROM DER, 60 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/1264 FT MSL.

TREE 2003 FT FROM DER, 246 FT RIGHT OF CENTERLINE, 70 FT AGL/1271 FT MSL.

TREES BEGINNING 2014 FT FROM DER, 133 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/1279 FT MSL.

TREES BEGINNING 2035 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 108 FT AGL/1300 FT MSL.

TREES BEGINNING 2075 FT FROM DER, 22 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/1322 FT MSL.

TREES BEGINNING 2183 FT FROM DER, 53 FT LEFT OF CENTERLINE, UP TO 88 FT AGL/1323 FT MSL.

TREES BEGINNING 2383 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 119 FT AGL/1325 FT MSL.

TREES BEGINNING 2545 FT FROM DER, 101 FT LEFT OF CENTERLINE, UP TO 114 FT AGL/1333 FT MSL.

TREES BEGINNING 2606 FT FROM DER, 181 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/1334 FT MSL.

TREES BEGINNING 2706 FT FROM DER, 291 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/1342 FT MSL.

TREES, TRANSMISSION LINE BEGINNING 3135 FT FROM DER, 25 FT LEFT OF CENTERLINE, UP TO 1344 FT MSL.

TREE 1.1 NM FROM DER, 1828 FT RIGHT OF CENTERLINE, 91 FT AGL/1355 FT MSL.

TRANSMISSION LINE 2 NM FROM DER, 823 FT RIGHT OF CENTERLINE, 118 FT AGL/1479 FT MSL.

NOTE: RWY 25, TREE 47 FT FROM DER, 240 FT LEFT OF CENTERLINE, 1183 FT MSL.

TERRAIN 119 FT FROM DER, 521 FT LEFT OF CENTERLINE, 1184 FT MSL.

TREES BEGINNING 129 FT FROM DER, 253 FT LEFT OF CENTERLINE, UP TO 9 FT AGL/1191 FT MSL.

TREES BEGINNING 213 FT FROM DER, 245 FT LEFT OF CENTERLINE, UP TO 1199 FT MSL.

TREES BEGINNING 595 FT FROM DER, 322 FT LEFT OF CENTERLINE, UP TO 1205 FT MSL.

TREES BEGINNING 880 FT FROM DER, 677 FT LEFT OF CENTERLINE, UP TO 1236 FT MSL.

TRANSMISSION LINE 5230 FT FROM DER, 1788 FT LEFT OF CENTERLINE, 1306 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 7: 1479 FT MSL TRANSMISSION LINE 403435.92N/0810148.63W (CEILING/VISIBILITY), 1322 FT MSL TREE 403403.38N/0810353.82W (CLIMB GRADIENT), 1342 FT MSL TREE 403410.09N/0810348.97W (CLIMB GRADIENT TERMINATION ALTITUDE)

**REMARKS:**

LETTER OF APPROVAL FOR EXCESSIVE CLIMB GRADIENT (611 FT/NM) FROM RWY 7 ON FILE.

**FLIGHT INSPECTED BY**

JOEL F HAWKLEY

*Digitally signed by*

**DONALD H LANIER**

Oct 06, 2021

**OFFICE**

FPO

**DATE**

09/29/2021

QUALITY  
21  
CHECKED

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>EFFECTIVE DATE</u>
CARROLL COUNTY-TOLSON	KTSO	CARROLLTON	OH	5	

**DEVELOPED BY**

DON LAINER (COLE NESBITT)

*Digitally signed by***DONALD H LANIER**

Oct 06, 2021

**OFFICE**

AJV-A431

**DATE**

06/25/2021

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by***DONALD H LANIER**

Oct 06, 2021

**OFFICE**

AJV-A430

**DATE****TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOB ARTCC, AMGR**CHANGES - REASONS:**

1. UPDATED TAKEOFF OBSTACLES NOTES (ALL RWYS). - NEW AIRPORT SURVEY/NEW EVALUATION COMPLETED.
2. UPDATED RWY 7 CONTROLLING OBSTACLE FROM "1379' TREES 403404/810355" TO "RWY 7: 1479 FT MSL TRANSMISSION LINE 403435.92N/0810148.63W (CEILING/VISIBILITY), 1322 FT MSL TREE 403403.38N/0818353.82W (CLIMB GRADIENT), 1342 FT MSL TREE 403410.09N/0810348.97W (CLIMB GRADIENT TERMINATION ALTITUDE)" - NEW AIRPORT SURVEY/NEW EVALUATION COMPLETED.
3. UPDATED RWY 7 TAKEOFF MINIMUMS FROM "300-1" TO "400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 611 FT PER NM TO 1400." - NEW SURVEY/NEW OBSTACLE EVALUATION.
4. UPDATED RWY 25 TAKEOFF MINIMUMS FROM "300-1" TO "STANDARD" - NEW SURVEY/NEW OBSTACLE EVALUATION.

QUALITY  
21  
CHECKED