


Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: Textual DP	Estimated Chart Date: 12/02/2021	APWS Task ID: 466F183394A8423DB377AE99CF9B3AA7	APWS Project ID: 9C2A83478B0A488BBD3D989C7890B8A1
Procedure: CARROLLTON OH KTSO AMDT 5		Enroute: NO	Specialist: Nesbitt, Cole		Agreement Number:
Airport ID: KTSO			Airport City: CARROLLTON		State: OH
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
<div> <div> Procedure Comments: ACTIVE DATA FOR KTSO AIRPORT AND RUNWAYS AFS APPROVAL REQUEST FOR RWY 07, 611 FEET PER NM TO 1400 CANCELS FDC NOTAM 9/0220 CONTACT: DON LANIER 405.954.8242 </div> <div>  </div> </div>					

FIPC BASIC FORM										
PROCEDURE: CARROLLTON OH KTSO AMDT 5			AIRPORT NAME: CARROLL COUNTY-TOLSON		AIRPORT ID: KTSO		SPECIAL CONTROL NO: BP-08-049-21			
FAC ID: KTSO		CITY: CARROLL COUNTY-TOLSON			ST: OH		ORIG CHART DATE: 12/02/2021			
DFL TYPE: PROC/T	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 0.4	REIMB. NUMBER:		PTS TASK ID:					
PREFLIGHT NOTES										
REVIEWER:					DATE:					
COMMENTS:					CHECK ONE: <input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT					
									YES	NO
					CPV COMPLETE?				X	
PROCEDURE RESULTS										
INSPECTION DATE: 09/29/2021		CREW #: VN075	N #: N85	INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT			ARINC CODING: <input type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT			
FLIGHT INSPECTOR SIGNATURE: joel f hawkley @ 09/30/2021 18:24			PRINTED NAME: HAWKLEY, JOEL FEWENS					NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
FLIGHT INSPECTOR REMARKS:										
IN-FLIGHT OBSTACLE REPORT										
OBSTRUCTION ID #:	COORDINATES OR LOCATION:		GNSS ALTITUDE (MSL):		BAROMETRIC ALTITUDE (MSL):		HEIGHT ABOVE GROUND LEVEL:			


OLD

CADIZ, OH (CON'T)
HARRISON COUNTY (8G6) (CON'T)

Rwy 31, terrain 40' from DER, 175' right of centerline, 1198' MSL.
 Terrain 71' from DER, 374' left of centerline, 1188' MSL.
 Terrain 89' from DER, 287' right of centerline, 1219' MSL.
 Terrain 99' from DER, 195' left of centerline, 1194' MSL.
 Trees and fence beginning 136' from DER, 5' right of centerline, up to 1229' MSL.
 Terrain 196' from DER, 494' left of centerline, 1213' MSL.
 Trees beginning 204' from DER, 200' left of centerline, up to 1214' MSL.
 Fence beginning 341' from DER, 97' left of centerline, up to 3' AGL/1218' MSL.
 Trees and fence beginning 403' from DER, 1' right of centerline, up to 1235' MSL.
 Fence beginning 485' from DER, 100' left of centerline, up to 4' AGL/1219' MSL.
 Fence beginning 802' from DER, 109' left of centerline, up to 4' AGL/1224' MSL.
 Fence and vegetation beginning 964' from DER, 41' left of centerline, up to 4' AGL/1226' MSL.
 Trees and fence beginning 991' from DER, 88' left of centerline, up to 1229' MSL.

CALDWELL, OH
NOBLE COUNTY (I10)
**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 22MAY97 (97146) (FAA)**
TAKEOFF MINIMUMS:

Rwy 5, 23, 400-1.

DEPARTURE PROCEDURE:

Rwy 23, climb runway heading to 1500 before turning.

CAMBRIDGE, OH
CAMBRIDGE MUNI (CDI)
**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 05MAR15 (15064) (FAA)**
TAKEOFF MINIMUMS:

Rwy 4, 400-2 or std. w/min. climb of 397' per NM to 1400.

Rwy 22, 300-1½ or std. w/min. climb of 685' per NM to 1100.

DEPARTURE PROCEDURE:

Rwy 4, climb heading 040° to 1300 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 4, multiple trees beginning 161' from DER, 179' left of centerline, up to 51' AGL/849' MSL.
 Multiple trees beginning 672' from DER, 563' right of centerline, up to 62' AGL/860' MSL.
 Multiple poles beginning 301' from DER, 519' right of centerline, up to 31' AGL/973' MSL.
 Multiple towers beginning 794' from DER, 659' left of centerline, up to 43' AGL/835' MSL.
 Building 639' from DER, 386' right of centerline, 25' AGL/825' MSL.
 Multiple poles beginning 990' from DER, 26' left of centerline, up to 36' AGL/826' MSL.
 Multiple trees beginning 1147' from DER, 144' right of centerline, up to 74' AGL/872' MSL.
 Multiple trees beginning 1307' from DER, 2' left of centerline, up to 89' AGL/887' MSL.
 Multiple towers, poles beginning 1040' from DER, 336' right of centerline, up to 48' AGL/843' MSL.
 Multiple towers, poles beginning 1089' from DER, 613' left of centerline, up to 36' AGL/833' MSL.
 Sign 1029' from DER, 623' left of centerline, 35' AGL/832' MSL.
 Monument 1.5 NM from DER, 402' left of centerline, 120' AGL/1098' MSL.
 Multiple trees beginning 1.5 NM from DER, 738' right of centerline, up to 100' AGL/1126' MSL.
 Tower 2.8 NM from DER, 4400' left of centerline, 233' AGL/1106' MSL.
Rwy 22, multiple trees beginning 204' from DER, 309' right of centerline, up to 100' AGL/931' MSL.
 Multiple poles beginning 366' from DER, 43' right of centerline, up to 35' AGL/834' MSL.
 NAVAID 300' from DER, 1' right of centerline, 9' AGL/807' MSL.
 Obstruction light on DME 477' from DER, 168' right of centerline, 19' AGL/817' MSL.
 Multiple trees beginning 1004' from DER, 395' left of centerline, up to 100' AGL/1023' MSL.
 Multiple poles beginning 1165' from DER, 93' left of centerline, up to 34' AGL/1021' MSL.
 Building 1272' from DER, 426' right of centerline, 21' AGL/881' MSL.

CARROLLTON, OH
CARROLL COUNTY-TOLSON (TSO)
**TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 20MAY99 (99140) (FAA)**
TAKEOFF MINIMUMS:

Rwy 7, 25, 300-1.

TAKEOFF OBSTACLE NOTES:

Rwy 7, 100' AGL trees 1800' from DER, 400' left of centerline.

Rwy 25, 100' AGL trees 200' from DER, 400' left of centerline.





Federal Aviation Administration

Memorandum

Date: 6/29/21

To: Manager, Flight Procedure Standards

From: Steve Szukala
Manager, Aero Nav Services
Terminal Procedures and Charting Team

Subject: **ACTION:** Approval Request

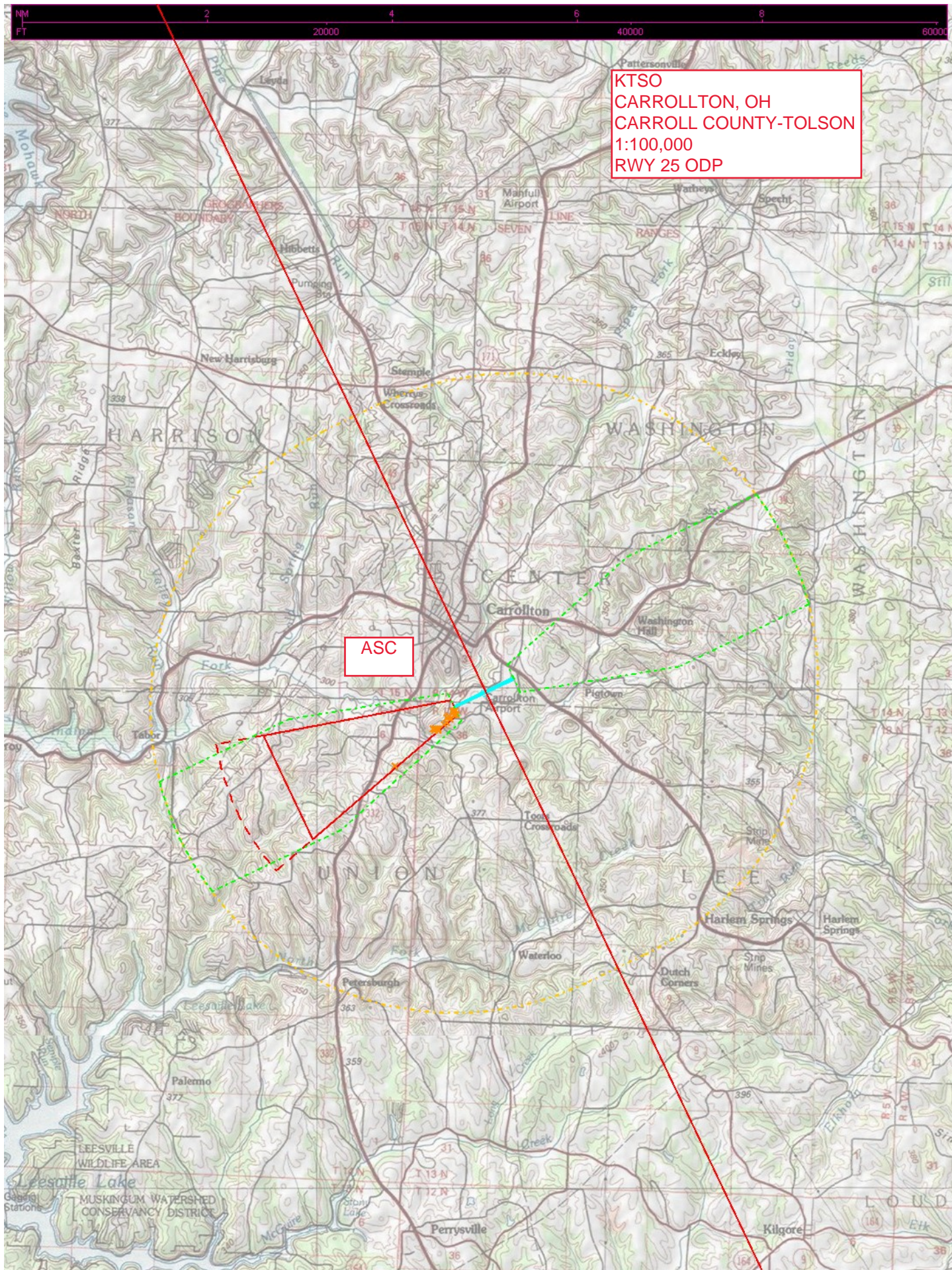
Obstacle Departure Procedure, CARROLL COUNTY-TOLSON, Carrollton, OH.

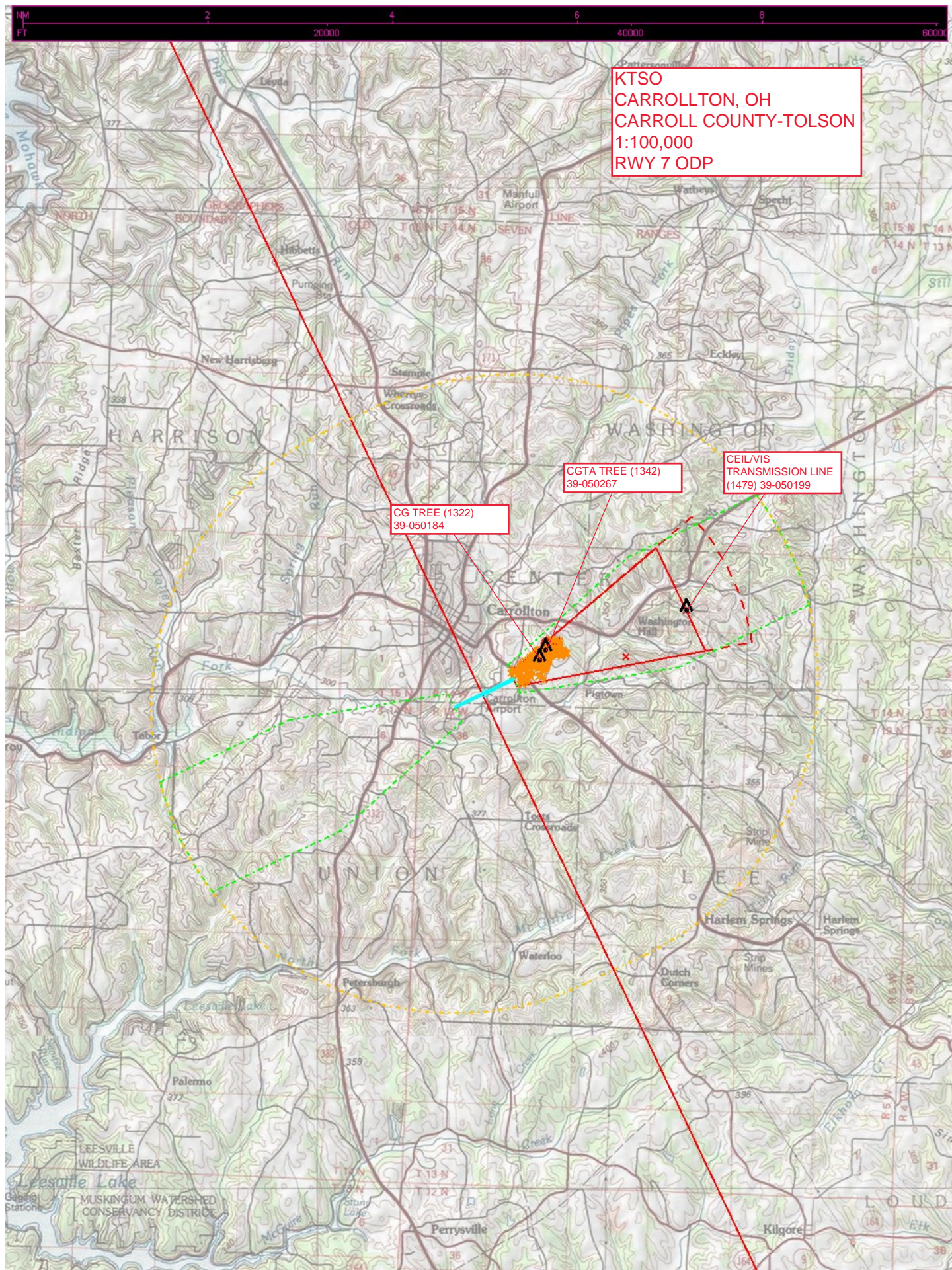
Climb gradient exceeds 500 feet per NM, 8260.46G, Para. 2-1d(2).

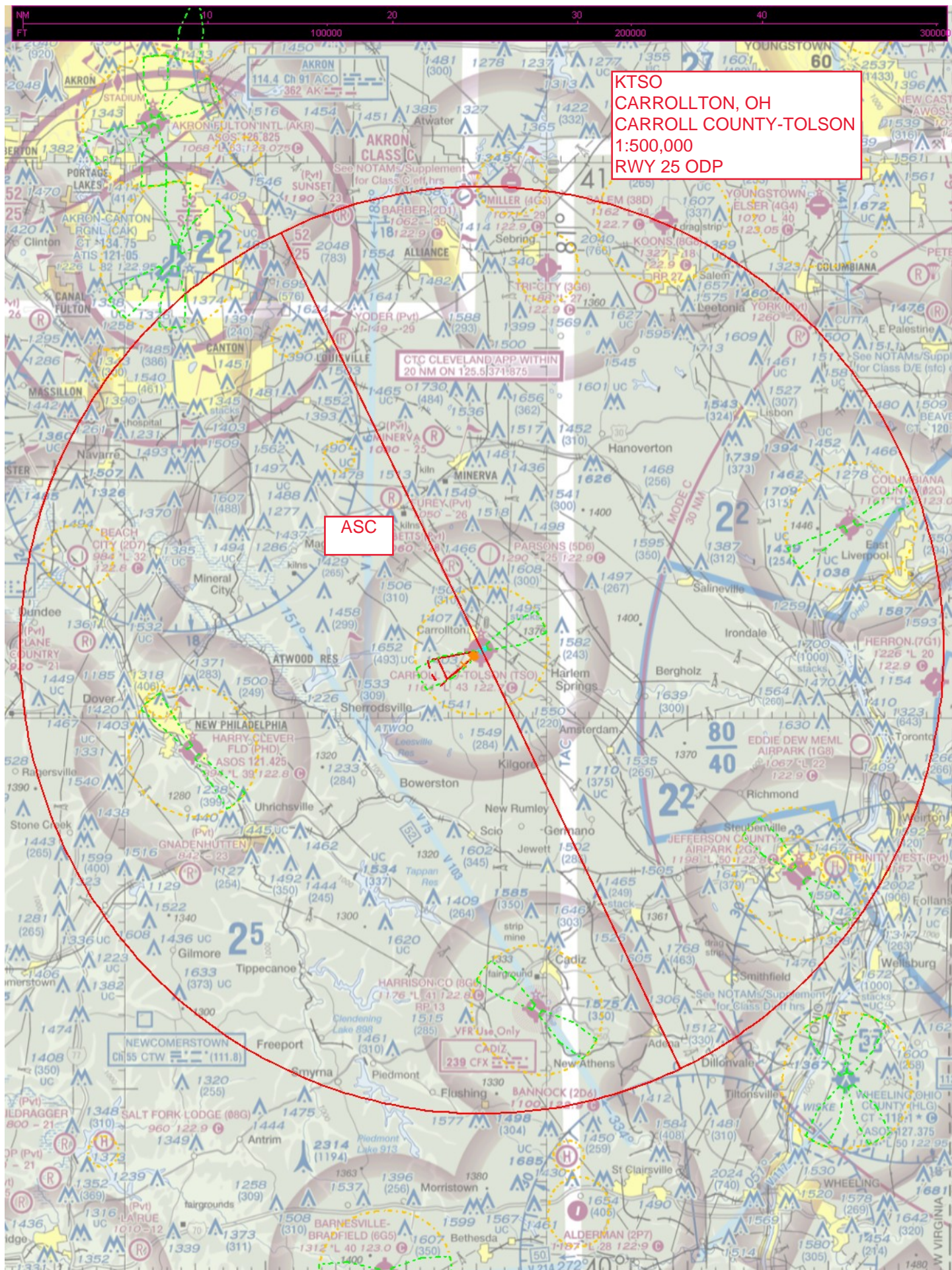
The TARGETS computed RWY 7 climb gradient is 611 feet per NM to 1400. The obstacle driving this climb gradient is a 1322 foot MSL tree (39-050184) based on a June 2013 VG survey.

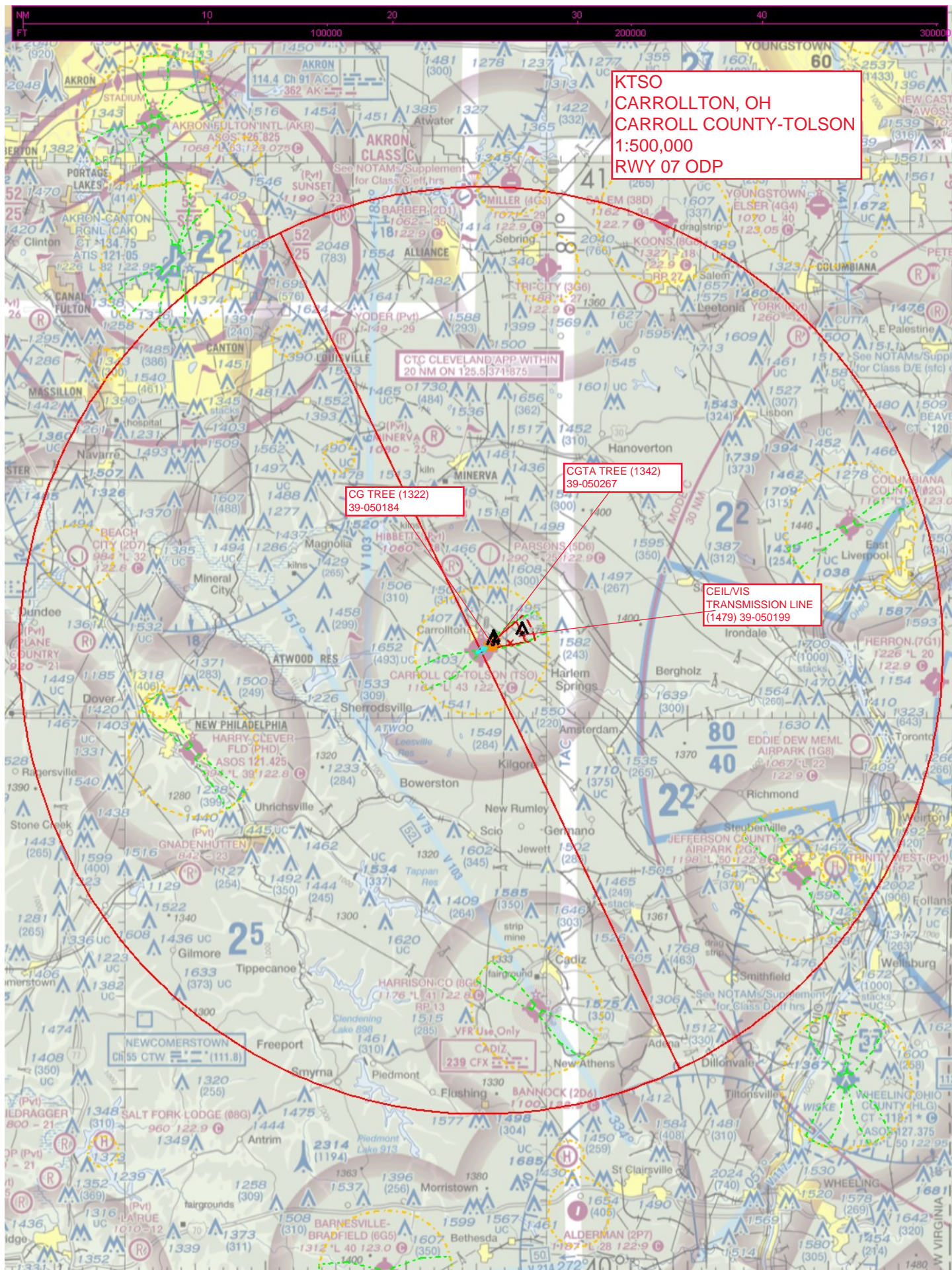
Request approval to publish a minimum climb gradient of 611 feet per NM to 1400 to allow 40:1 obstacle penetrations to be avoided and allow for the airport operations to continue without weather disruption. Any aircraft unable to execute this climb gradient may depart with a ceiling and visibility of 400-2 1/2.

The location of this obstacle makes it impossible to design a departure procedure to avoid the possible penetration.









Federal Aviation Administration Categorical Exclusion Declaration

Date: 07/08/21

IFP: Maxfield, Jacob (Jacob.Maxfield@faa.gov)

Airport Contact: -

Request ID: KTSO_21629

Single or Multiple Procedure: Single

Procedure Name(s): Takeoff Minimums

Procedure Request Description:

Amended takeoff minimums are proposed for KTSO, Carroll County-Tolson Airport in Carrollton, Ohio. The minimum ceiling will be increased to 400 ft above ground level (AGL) and minimum visibility will be increased to 2 1/2 statute miles. Additionally, when meteorological conditions do not meet the minimum requirement of 400 foot rate of climb per 2 1/2 nautical miles, aircraft will be given an additional option to conduct an IFR departure so long as the aircraft is capable of climbing at a rate of 611 ft per nautical mile (NM) to an altitude of 1400 ft above mean sea level (AMSL).

Procedure Benefit:

The increased ceiling and visibility will allow aircraft to safely see and avoid obstacles in the area. The required rate of climb referred to as a climb gradient (CG) provides aircraft with an additional option to departure from Runway 7 when meteorological conditions are below see and avoid conditions.

Procedure Need:

The only method of using the Runway 7 Instrument Flight Rule (IFR) departure is when meteorological conditions are favorable with a minimum ceiling of 300 ft above ground level (AGL) and a minimum visibility of 1 statute mile (SM). Amending the current procedures will resolve this issue.

Potential Impacts:

No ground or track changes are proposed, only a change in altitude and rate of climb when conditions warrant.

Declaration of Exclusion:

The FAA has reviewed the above referenced proposed action and it has been determined, by the undersigned, to be categorically excluded from further environmental documentation according to FAA Order 1050.1, "Environmental Impacts: Policies and Procedures." The implementation of this action will not result in any extraordinary circumstances in accordance with FAA Order 1050.1.

Basis for this Determination:

This review was conducted in accordance with policies and procedures in Department of Transportation Order 5610.1, "Procedures for Considering Environmental Impacts" and FAA Order 1050.1.


The applicable Categorical Exclusion is:

5-6.5.k: Publication of existing air traffic control procedures that do not essentially change existing tracks, create new tracks, change altitude, or change concentration of aircraft on these tracks. (ATO, AVS)

The above flight procedure has been developed within the accepted parameters.

Concurrence/Reviewed By: **ROBERTO I RAMOS**  Digitally signed by ROBERTO I RAMOS
Date: 2021.07.12 12:54:44 -05'00' Date: _____

Title: Robb Ramos, Environmental Protection Specialist
ATO Central Service Center, Operations Support Group, AJV-C25

Approved By: **CHRISTOPHER L SOUTHERLAND**  Digitally signed by CHRISTOPHER L SOUTHERLAND
Date: 2021.08.04 13:52:25 -05'00' Date: _____

Title: Christopher L. Southerland, Manager
ATO Central Service Center, Operations Support Group, AJV-C2