July 6, 2026

Mr. Mark Seger, P.E.
Contract Manager, Office of Capital Programs
City of Delaware
400 East William Street
Delaware, OH 43015

Re: Airway/Highway Clearance Analysis
Bolton Field Airport
FRA-62-3.26; PID 119830

Dear Mr. Seger,

We have reviewed the above-mentioned project and have determined that the project will not encroach into the 100:1 notification surface of *Bolton Field*. This determination is based on an airport elevation of 905 feet, a project elevation of 932 feet (includes additional 50 feet per ODOT Location and Design Manual Volume 3 Section 1407.1.5), with a distance of 19,300 feet between the public airport and the project location. The study has determined that a height of 166 feet exists between the 100:1 notification surface and the project.

The attached diagram will provide a detailed analysis of the study. Therefore, based on these heights and the heights from ODOT Location and Design Manual Volume 3 Figure 1407-3, plan note *G119B* will be required.

Please contact me at (614) 468-1213 or via email at ghansel@cmtengr.com if you have any questions or concerns.

Sincerely,

Crawford, Murphy & Tilly, Inc.



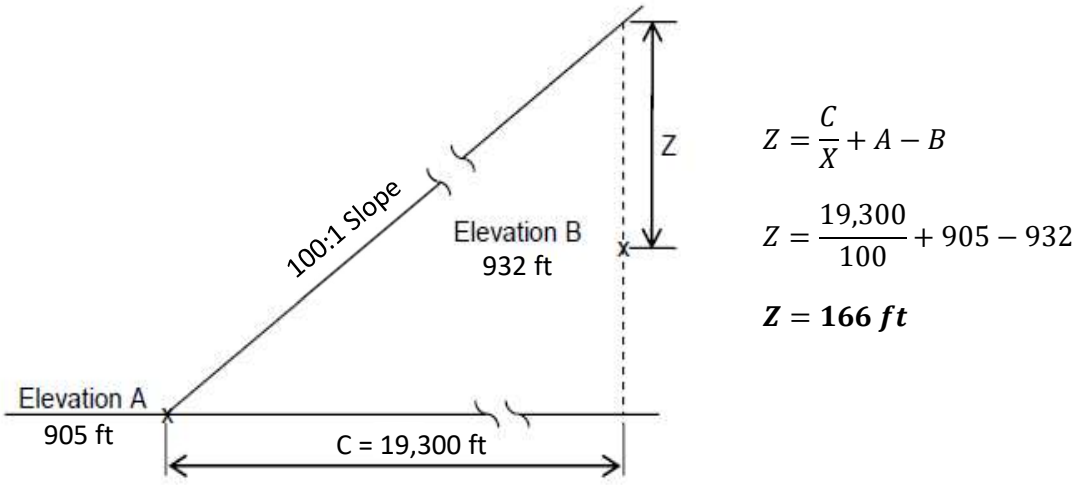
Giovanni Hansel, PE, PTOE
Senior Engineer

FIGURE 1: AIRWAY/HIGHWAY CLEARANCE ANALYSIS DISTANCE



Original Image Courtesy of Google Earth

FIGURE 2: AIRWAY/HIGHWAY CLEARANCE CALCULATIONS



$$Z = \frac{C}{X} + A - B$$

$$Z = \frac{19{,}300}{100} + 905 - 932$$

$$\boldsymbol{Z = 166\ ft}$$

X:1 – Notification Slope *[See Section 1404.1.2 to determine Notification Slope]*
A – Airport Elevation
B – Project Elevation
C – Distance between Project and Airport
Z – A positive value of Z is the amount of clearance.
A negative value of Z will require notification.