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Using Airborne LIDAR to Support Mapping for Design, Planning, and GIS at The Ohio Department of Transportation

Presenter

Dr. Joseph N. Tack
Ohio DOT
joseph.tack@dot.state.oh.us

Co-Presenter

The Ohio Department of Transportation has acquired and implemented Airborne LiDAR to effectively increase transportation corridor mapping efficiency and deliver more accurate DEM and orthoimagery products. The LiDAR system is used to generate very high-resolution digital elevation models and intensity orthoimagery. Large-scale aerial imagery continues to be used for planimetric generation using stereo softcopy compilation and to generate orthoimagery.

This presentation discusses the challenges in implementing LiDAR including mapping accuracy specifications, storage, mission planning, and implementation. The presentation will also discuss the benefits of LiDAR including increased efficiency, increased accuracy, and other applications.