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The Georgia DOT LRS-Road Characteristics Solution to Increasing Demands and Shrinking Resources

Presenter

Paul Tanner
Assistant State Transportation Data Administrator
Georgia DOT, Office of Transportation Data
ptanner@dot.ga.gov

Co-Presenter

Tom Ries
Senior Consultant / Project Manager
GeoDecisions, Inc.
tries@geodecisions.com

The Office of Transportation Data (OTD) at Georgia DOT is improving and changing business processes and related information systems due to increasing data consumer demands and shrinking data management resources. As part of an overall geospatial improvement program, OTD is completing the implementation of new linear reference system (LRS) and road characteristics (RC) data maintenance systems. These new systems address key challenges such as: streamlining LRS geometry and linear datum data maintenance; offering both roadway (carriage way) level data detail and roll up data for divided highways, more efficient data change propagation, supporting over-time analysis; more effective data maintenance processes; and improved data quality. This presentation will describe how these challenges were overcome and the lessons learned from system implementation.