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Migrating Delaware's Official Transportation Map from CADD to GIS

Presenter

Josh Thomas
Project Planner
Delaware DOT
joshua.thomas@state.de.us

Co-Presenter

Jay Gerner
Project Planner
Delaware DOT
jay.gerner@state.de.us

The Delaware Department of Transportation (DelDOT) provides an Official Transportation Map for the benefit of citizens and tourists. This paper map is a true cartographic product that is maintained using CADD software. DelDOT is currently working on a project to build a similar product in GIS (a parallel process) to prepare for the future. Like other states, the challenge is to take advantage of GIS to better manage transportation data yet still produce a reference map with cartographic integrity.

The project team identified an enterprise GIS strategy to organize the data and selected some specialty software to help construct the map layout(s), including ArcGIS Production Mapping. The project has yielded a new map that is easier to maintain, which contains dynamic links to data from multiple authoritative sources. As an added bonus, new enterprise data has been created and quality control measures are planned. It is the Department's vision that this new base map eventually forms the basis for optimized web map services. DelDOT wishes to use the GIS-T Symposium as a forum to discuss Delaware's progress on this project, to present some technical methods, and to hear feedback from colleagues.