

### 6.3.1

#### Small State Big Visions

##### **Presenter**

Don Burris  
Delaware Department of Transportation  
dburris@mail.dot.state.de.us

##### **Co-Presenter**

Brian Smith, GeoDecisions  
Tom Gergel, Bentley Systems

DelDOT desired a vendor-independent method to store the variety of spatial data that is warehoused and used for analysis. The single most important way that DelDOT ties together the many types of roadway-related infrastructure information is through the use of linear referencing. This allows data to be collected, stored, and analyzed using measured miles, GPS coordinates, and latitude/longitude coordinates. To date, the LRS at DelDOT had been in a proprietary format that is accessible from only one GIS vendor's platform, and was not tightly integrated with the enterprise relational database – Oracle. To make the LRS vendor-independent, DelDOT implemented an Oracle Spatial-based LRS solution using Bentley's LDMx software.

With the migration of spatial data to an Oracle Spatial format, DelDOT is creating an Intranet Portal/Data Repository for easy access to spatial and non-spatial enterprise information. DelDOT's Information Network for Online Resource Mapping (INFORM) is designed to give users an enterprise look at data in a fast, easy-to-use Web environment. Data from multiple source data sets will be available for spatial and non-spatial reports, graphs, and maps. INFORM will integrate transportation data such as Pavement Management, Maintenance Management, Bridge Inspections, Road Inventory and Construction Projects. INFORM is based on concepts derived from the Geographical Resource Intranet Portal application that GeoDecisions developed for the Oklahoma Department of Transportation.