

### 2.2.3

#### Middleware and GIS – South Carolina DOT’s Solution to Enterprise Data Access

**Presenter**

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South Carolina DOT (SCDOT) faced the challenge of providing critical data to users across the enterprise. The data was needed in real time and required a spatially-enabled solution. This presentation will discuss SCDOT’s Integrated Transportation Management System (ITMS). ITMS is used to deliver information from multiple applications, which use various database platforms, to SCDOT users in a web-based spatially enabled solution. Data is available from the Pavement Management System, Roadway Information Management System, Highway Maintenance Management System, Preconstruction Project Management System and AASHTO’s SiteManager software. Additionally, users can access documents stored in the Department’s SharePoint database by performing map-based queries. The ITMS data sources are on various database platforms, including Oracle, SQLServer and Adabas. Since the data is accessed in real-time, users know they have the most current data available to support their mission critical business decisions.