

### 6.4.3

## Visualizing Transportation Assets

### **Presenter**

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### **Co-Presenter**

Transcend and WVDOT teamed to implement a new Straight-Line Diagram (SLD) application (Road Analyzer) to utilize new technologies and to integrate the application with WVDOT's videolog viewer application. The original SLD application was upgraded using HTML5 and Angular JS technology. HTML5, specifically the canvas API, is becoming a common standard for Web-based applications that include significant amounts of interactive graphics such as SLD solutions. Road Analyzer includes the ability to take advantage of Esri Roads and Highways REST Services : Linear Referencing System web services. The VideoLog integration was specifically to WVDOT's existing viewer application, iVision from Fugro Roadware. These two applications complement each other, and allow the user to switch back and forth between viewing SLD displays and videolog, or view them together in the same display.