

## 6.1.2

### Meeting Federal Reporting Requirements

**Presenter**

**William G Schuman**  
Program Manager  
Transcend Spatial Solutions  
bschuman@tssgis.com

**Co-Presenter**

Transportation departments have been given new requirements and guidelines for reporting Highway Performance Monitoring System (HPMS) data, Highway Safety Improvement Program (HSIP) Fundamental Data Elements (FDEs), NHS routes and NHS intermodal connectors, and local road data over the last few years. In addition, Esri has released its Roads and Highways solution for managing LRS and related linear data. West Virginia DOT has partnered with Transcend to leverage the work done at Colorado DOT, Ohio DOT, and Georgia DOT to build comprehensive LRS and roadway characteristic/inventory databases that meet the reporting requirements for these DOTs. The presentation will cover the basics of the reporting requirements, how the requirements were met using Roads and Highways and the related data models, and how the data model is leveraged to complete the reporting requirements.