

4.4.3

West Virginia – A Spatially Enabled Enterprise – the Integration of WV Division of Highways with the Statewide (E9-1-1) Addressing and Mapping System

Presenter

Hussein Elkhansa
West Virginia DOT
HElkhansa@dot.state.wv.us

Co-Presenter

Craig Neidig

In 2001 The West Virginia Statewide Addressing and Mapping Board (WVSAMB) set out to develop a world-class addressing and mapping system based on new statewide photogrammetric mapping, digital orthophotography, and the latest geospatial information technologies. WVSAMB partnered with The West Virginia Division of Highways (WVDOH), all 55 counties and other state agencies. The WVSAMB will field a sustainable road centerline and address-site map to be frequently updated by counties and WVDOH acting as stewards of specific features and/or attributes in a central database. The database is designed to allow a county addressing coordinator to edit data for their counties only, and then only in certain fields in the street centerline table. Similarly WVDOH has the ability to maintain its linear reference system (LRS) and thus geo-enable its existing inventory of databases. Any user has the ability to display other features and read most attributes from adjacent jurisdictions; users only edit what they are responsible for. Users only see what they are supposed to see. Each user's business logic is implemented in the database. The system, known as the WVSAMS, forms the framework for a true enterprise geospatial information system that will serve multiple state agencies and jurisdictions.