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Enterprise Linear Reference System Development: West Virginia's Experience

Presenter

Yueming Wu

GIS Manager

West Virginia DOT

yueming.wu@wv.gov

Co-Presenter

A geospatial strategic plan was prepared in 2008 and updated in 2012 at the West Virginia Department of Transportation (WVDOT). Per the plan, an Enterprise Linear Referencing System (ELRS) is being developed at WVDOT by using ESRI Roads and Highways (R&H) Solution. By the project's timeline, the ELRS would be ready in the fall 2014 providing the capability of managing LRS and roadway

characteristics in a central environment and supporting data exchange with external consumers such as AgileAssets Asset Management System (AMS) and Transmetric Traffic Server.

This presentation will address the goals, challenges, and lessons learned from the development of the WVDOT ELRS. The presentation will also cover WVDOT's experience in building the data exchange interface between ESRI R&H and AgileAssets AMS.