

4.1.1 Roadway Network System (RNS)

Presenter

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The Virginia Department of Transportation (VDOT) is developing and implementing a roadway management system called Roadway Network System (RNS). A fundamental underpinning of RNS is timely, accurate, comprehensive, and integrated statewide roadway geometry and attribution data. RNS relies on the Virginia Base Mapping Program road centerlines for the roadway data. This project focuses on the design, development, implementation, and maintenance of the roadway data from the 150+ data sources comprised of local governments and VDOT. We will discuss the processes and challenges of developing the roadway data, development of an LRS from the underlying roadway data, and the maintenance program in place to insure timely and accurate roadway data updates.