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Virginia Transport Information Portal

Presenter

Tom Gergel

Co-Presenter

David Sutton

The Virginia Department of Transportation (VDOT) has initiated the Virginia Transport Information Portal (VTIP) project to facilitate access to its current roadway incident information. The goal of VTIP is to provide a near real-time view of traffic incidents in the Staunton, Salem, and Bristol Districts – which constitute the Interstate 81 corridor in Virginia. By making this information easily accessible in one software platform, this application will support effective and responsive decision making at the VDOT Smart Traffic Centers. To develop the VTIP quickly and efficiently, GeoDecisions® was contracted by VDOT to develop an easy-to-use, Web-based spatial data portal to provide access to static and real-time information. Through integration of GeoDecisions' Geospatial Emergency Alert & Readiness System (GEARS) technology, a rich set of tools will enable users to readily access the information they need for incident monitoring and decision-making to enhance systems operations along the I-81 network. VTIP will be developed in several phases. Phase I will include the Staunton, Salem, and Bristol Districts. VTIP will initially be deployed as an intranet application on the VDOT network, accessible only by those with secure access logins. Eventually, VTIP is slated to be deployed via the Internet, and would be customized so that other organizations could view and query VTIP's incident and geographic information. This presentation will discuss the technology involved in building the application as well as the VDOT perspective as to why we implemented the pilot, how it is being used, why the specific data sources/layers were incorporated, and the funding sources that are being utilized.