Project #12407 – Crash and Analysis Mapping Phase III

This is the third phase of a Wisconsin Department of Transportation (WDOT) project to merge two geographic information system road network maps: the State Trunk Network (STN), which focuses on state, US, and interstate highways; and the Wisconsin Information System for Local Roads (WISLR), which focuses on local roads. These two systems developed fundamentally independently of each other to meet separate needs within WisDOT; however, similarities and common data exist between them. Phase I of the Crash Analysis and Mapping Project was a pilot study of the Link-Link method completed in Dane and Iowa counties, and as part of Phase II, team members expanded the Link-Link table from Phase I to all 72 counties in Wisconsin and imported their prototype crash map into the WisTransPortal Crash Data Retrieval Facility. As a production tool for safety engineering and analysis, however, the prototype interface does not take full advantage of the WISLR LRS network. In Phase III, the TOPS Lab will enhance the WisTransPortal MV4000 crash database and online Crash Data Retrieval Facility through added functionality, updated Link-Link tables, software and process development, user feedback, and multistate sharing and outreach.

Start Date: 2012/1/1  End Date: 2013/8/31
Status: Active  Contract/Grant Number: GR23736
Secondary Number: UTCA Project #12407
Total Dollars: 118641
Source Organization: Alabama Department of Transportation

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