Project #14414 – WISDOT Crash Mapping Phase IV

http://utca.eng.ua.edu/research/projects/?id=14414

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This is the fourth phase of a Wisconsin Department of Transportation (WisDOT) 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. In Phase III, the TOPS Lab enhanced 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. In Phase IV, this task covers maintenance of the LINK-LINK table to incorporate STN and WISLR changes for the 2013 certification period. Final LINK-LINK table revisions will be uploaded to the TOPS Lab project site and will be imported into the TOPS Lab WisTransPortal database.

As part of this objective, the UA team will compare the completed 2011 LINK-LINK table to the updated 2013 STN and WISLR links to identify and document any changes in the link IDs as well as the addition or subtraction of links. Using this information along with the procedure and tools developed during Phase III and starting with the 2011 LINK-LINK table, a LINK-LINK table for 2013 will be generated.

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