

Wisconsin Safety Certification Mapping

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The Wisconsin Safety Certification Mapping (SCM) process is implemented during the early scoping phase of a construction project and combines crash history and geometry considerations to identify potential road segments for which safety improvements could be realized. This process has traditionally involved a significant, manually driven effort by regional engineers and planners to combine, analyze, and map disparate data sources including as-built plan sets, asset management data, and linear referenced crash data. In order to streamline this process, the Wisconsin DOT has partnered with the Traffic Operations and Safety (TOPS) Laboratory at the University of Wisconsin-Madison to develop an automated tool to combine roadway deficiency information and crash history using linear referencing techniques. This presentation will provide an overview of the SCM process and describe the approach for automating the integration process and for generating the analysis tables and maps.

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