UTC Project Information

Project Title	Regional Map Based Analytical Platform for State-Wide Highway Safety Performance Assessment
University	Washington State University
Principal Investigator Co-Investigator	Ali Hajbabaie Yinhai Wang (UW)
PI Contact Information	Sloan 119 Washington State University Pullman WA 99164 Phone: (509) 335-7805 E-mail: ali.hajbabaie@wsu.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	
Total Project Cost	$180056.00
Agency ID or Contract Number	
Start and End Dates	Start: 01/15/2015 End: 06/15/2016
Brief Description of Research Project	Most traffic crash modeling and safety performance analysis cannot capture impacts of dynamic factors that are often critical for understanding the occurrence mechanism of crashes and are very labor intensive. To address these deficiencies, this proposed research takes advantage of the ongoing DRIVE Net research at the University of Washington to build large-scale safety analysis functions on the data-rich eScience transportation platform. The proposed research has the following objectives: Improve current crash modeling methods; Develop a Safety Performance Index (SPI); Monitor the safety performance of the state highway network on regional map using SPI; Develop a Potential Safety Improvement Index (PSII); Develop safety improvement analysis methods for accident hotspots based on the overlapped SPI and PSII.

Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links • Reports • Project Website	
Project Type (basic, applied, advanced, etc)	Applied