UTC Project Information	
Project Title	Regional Map Based Analytical Platform for State-Wide Highway Safety Performance Assessment
University	Washington State University
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Funding Source(s) and Amounts Provided (by each agency or organization)	University of Washington PacTrans \$180,000 Washington State Department of Transportation \$ 80,000 Washington State University \$100,000
Total Project Cost	\$360,000
Agency ID or Contract Number	DTRT13-G-UTC40
Start and End Dates	January 15, 2015– September 16, 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 datarich 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.



Impacts/Benefi ts of Implementatio n (actual, or anticipated)	Provide the second of the local and extended and the local and local and the local and local and the local and
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