UTC Project Information	
Project Title	Motorcycle Crash Data Analysis to Support Implementation of a Concrete Barrier Containment Options for Errant Motorcycle Riders
University	Texas A&M University - Texas A&M Transportation Institute
Principal Investigator	Chiara Silvestri Dobrovolny
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Funding Source(s) and Amounts Provided (by each agency or organization)	Source: TTI State Match 165917-00021 Amount Provided: $4,638.85
Total Project Cost	$4,638.85
Agency ID or Contract Number	Grant No: 69A3551747115 Project: TTI-Student-04
Start and End Dates	2017-07-01 to 2017-08-31
Brief Description of Research Project	The research project conducted an analysis of fatal and suspected serious injury one motor vehicle motorcycle crashes occurring on Texas public roadways involving flyovers, connectors and curves during the years of 2014 to 2016. Researchers reviewed available police narratives documents from the crashes which occurred on Flyovers or Connectors, to determine, when possible, the dynamic of the accident and to verify other detailed information that was not necessarily present in the crash data file. The researchers also performed a detailed international literature review of existing standards and protocols on motorcycle testing against roadside safety barriers, as well as of current practices of retrofitting existing roadside safety systems to enhance motorcycle rider safety.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	T2 Presentation. The project team created a presentation based on the results of this research. Student Impact Statement. Two students were funded under this project (from TAMU, both undergraduate students).
Impacts/Benefits of Implementation (actual, not anticipated)	• Provided a comprehensive compilation of international existing standards and protocols on motorcycle testing against roadside safety barriers • Review of current practices of retrofitting existing roadside safety systems to enhance motorcycle rider safety • Preliminary understanding of the prevalent factors involved in fatal and suspected serious injuries of one motor vehicle motorcycle crashes involving flyovers, connectors and curves.

Web Links • Reports • Project website	https://www.vtti.vt.edu/utc/safe-d/index.php/projects/motorcycle-crash-data-analysis-to-support-development-of-a-retrofit-concrete-barrier-system-for-freeway-ramps/