

<b>UTC Project Information</b>	
<b>Project Title:</b> GIS-Based Instructional Tool for Crash Prediction Methods	
<b>University</b>	University of Florida
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<b>Funding Source(s) and Amounts Provided (by each agency/organization)</b>	STRIDE: \$89,961 Match: \$89,961
<b>Total Project Cost</b>	\$179,922
<b>Agency ID or Contract Number</b>	2013-030S
<b>Start and End Dates</b>	August 1, 2013 – (active)
<b>Brief Description of Research Project</b>	
<p>The intent of this study is to develop a GIS-based instructional tool which can be used by both graduate students and current professionals to learn about the HSM-based predictive methods. The GIS platform of the tool will be immensely beneficial so that the students can appreciate (visually) the context in which these methods are being applied. As such, this study will contribute to both the educational and technology transfer goals of STRIDE. The overall project methodology comprises three steps. First, the HSM crash-prediction methods will be coded into the Signal Four Software for selected facility types. This will involve coding in the appropriate Safety Performance Functions and Crash Modification Factors. Next, Instructional Modules will be developed that will provide overviews of both the software and the analytical methods in addition to providing step-by-step guidance for segment- and intersection- level analyses. Finally, the software and instructional modules will be tested</p>	

using students from various transportation engineering and urban planning classes and be presented to practitioners via a webinar.	
Describe Implementation of Research Outcomes (or why not implemented)	
Place Any Photos Here	
Impact/Benefits of Implementation (actual, not anticipated)	
Project Website	Abstract on STRIDE website: <a href="http://stride.ce.ufl.edu/bejleri-abstract">http://stride.ce.ufl.edu/bejleri-abstract</a>  Information on TRB/TRID: <a href="https://trid.trb.org/view/2013/P/1343131">https://trid.trb.org/view/2013/P/1343131</a>