



Project Information Form

Project Title	Integrating Safety in Developing a Variable Speed Limit System
University	University of Central Florida
Principal Investigator	Dr. Mohamed Abdel-Aty
PI Contact Information	M.Aty@ucf.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	NCTSPM UTC \$62,500 UCF \$39,509 Florida DOT \$36,627
Total Project Cost	\$125,000
Agency ID or Contract Number	DTRT12GUTC12 1620-8095 1650-7073
Start and End Dates	01/01/2012 to 01/31/2014
Brief Description of Research Project	Integrating safety and operation in developing a Variable Speed Limit Algorithm
Describe Implementation of Research Outcomes (or why not implemented) (Attach Any Photos)	The research outcomes would not be implemented since this study is solely to develop a control algorithm. However, the proposed VSL control algorithm would be tested in the micro-simulation software VISSIM to see its benefits for traffic safety.
Impacts/Benefits of Implementation (actual, not anticipated)	For the first time we are developing a VSL algorithm that will minimize the risk of accidents while controlling for any negative effects on traffic operation. Since speed harmonization is one of the key aspects of active traffic management (ATM), the algorithm is expected to advance ATM.
Web Links <ul style="list-style-type: none"> • Reports • Project website 	Report will be submitted by the project end date to NCTSPM

