



Project Information Form

Project Title	Bridge Rail Design Procedures
University	University of Alabama at Birmingham
Principal Investigator	Dean Sicking
PI Contact Information	dsicking@uab.edu 205-934-8492
Funding Source(s) and Amounts Provided (by each agency or organization)	NTSPM \$150,000 ALDOT \$150,000
Total Project Cost	\$300,000
Agency ID or Contract Number	DTRT12GUTC12 or NCTSPM 2013-046
Start and End Dates	1/1/13-1/1/15
Brief Description of Research Project	This study will focus on adjusting bridge rail design procedures to conform with the recently revised crash testing guidelines, MASH. This study will attempt to develop a better method for using dynamic impact loads to design bridge rail and cantilever deck systems. The new procedures will eliminate the problems associated with the use of dynamic forces in quasi-static design methods that currently produce oversized bridge railings and excessive deck thicknesses when accurate peak dynamic loads are used in the existing design method.
Describe Implementation of Research Outcomes (or why not implemented) (Attach Any Photos)	Nothing to report at this time.
Impacts/Benefits of Implementation (actual, not anticipated)	Nothing to report at this time



<p>Web Links</p> <ul style="list-style-type: none">• Reports• Project website	<p>Nothing to report at this time</p>
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