Project #13401 – Rail Highway At-Grade Crossing Prioritization and Ranking Program Analysis

http://utca.eng.ua.edu/research/projects/?id=13401

Record Type: UTC

The objective of this project is to revisit the current approach to rail highway at-grade crossing (RHGC) prioritization and ranking programs. The project will apply statistical modeling methods in line with those recommended by the Highway Safety Manual (HSM) to analyze safety performances of rail highway at-grade crossings. The cost and the effectiveness of selected improvement treatments will also be evaluated using the state-of-art HSM methodologies. A prioritized list of safety improvement programs will then be developed based on the analysis results. This list will be compared with the existing safety improvement programs to identify the effectiveness of incorporating statistical modeling approaches in ranking rail highway at-grade crossings.

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Sponsor Organization
Alabama Department of Transportation
1409 Coliseum Blvd.
Montgomery, AL 36130

Project Manager
Mr. Robert Jilla
Phone: (334) 242-6393
Email: jillar@dot.state.al.us

Performing Organization
University of Alabama, Tuscaloosa
Civil, Construction, Environmental Engineering
Box 870205
Tuscaloosa, AL 35487

Principal Investigator
Lou, Yingyan
Phone: (205) 348-5859
Fax: (205) 348-6862
Email: ylou@eng.ua.edu

Subjects:
Highways
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