



THE UNIVERSITY OF TEXAS AT AUSTIN
CENTER FOR TRANSPORTATION RESEARCH

Safety Project Decision-Making In the US

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Who I Am & What I'm Researching

- Ph.D. Candidate (Advisor: Dr. Randy Machemehl)
- Lifelong Longhorn (Bachelor's, Master's, and now pursuing Ph.D.)
- Hotspot Identification/Prediction
- Crash Modification Factors (and their effective usage)







What Other States Do Project Selection Process

State	Project Selection Process	Documentation
California	Select project based on experience of what has typically been proven effective in similar context	List of Proven Countermeasures (FHWA/NHTSA)
Colorado		No current documentation - building list of proven countermeasures
Florida		List of Proven Countermeasures (FHWA/NHTSA)
Georgia		No current documentation - building list of proven countermeasures
Illinois		List of Proven Countermeasures (Own - with Effectiveness Rating)
New York		List of Proven Countermeasures (FHWA/NHTSA)



What Other States Do Project Selection Process

State	Project Selection Process	Documentation
North Carolina	Select project based on experience of what has typically been proven effective in similar context	List of Proven Countermeasures (FHWA/NHTSA), Detailed Toolbox for Peds
Ohio		List of Proven Countermeasures (FHWA/NHTSA)
Pennsylvania		-
Texas		List of Proven Countermeasures (FHWA/NHTSA)
Virginia		List of Proven Countermeasures (FHWA/NHTSA)
Washington		-



What Other States Do Crash Modification Factor Use

State	Calculate CMFs	Use/Alter Standard CMFs
California		✓
Colorado		✓
Florida	✓	
Georgia		✓
Illinois		✓
New York	✓	
North Carolina	✓	
Ohio		✓
Pennsylvania		✓
Texas		✓
Virginia		✓
Washington		✓



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Open Question:

How can agencies improve the effectiveness of their chosen safety project?