

UTC Project Information	
Project Title	MPC-568 – Mitigation of Flooding-Related Traffic Disruptions with Green Infrastructure Stormwater Management
University	Colorado State University
Principal Investigator	Aditi Bhaskar Suren Chen
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Funding Source(s) and Amounts Provided (by each agency or organization)	<p>USDOT, Research and Innovative Technology Administration \$60,000</p> <p>Faculty time and effort \$60,000</p>
Total Project Cost	\$120,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	June 27, 2018 to July 31, 2022
Brief Description of Research Project	<p>This project focuses on the mitigation of flooding-related traffic disruptions by implementation of green infrastructure stormwater management. Traffic disruptions can be caused during flooding events in urban areas when the existing stormwater management is not effective at stormwater drainage from roadways. Green infrastructure stormwater management uses infiltration and harvest of stormwater to reduce stormwater volumes. Urban roadway flooding will be modeled under the current conditions, as well as under scenarios of green infrastructure implementation. Then, this project will undertake a probabilistic simulation of the effect of green infrastructure implementation on traffic disruptions in a semi-arid urban area in the Front Range of Colorado. This project will quantify the effectiveness of green infrastructure stormwater management for reducing traffic disruptions.</p>

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	
<p>Web Links</p> <ul style="list-style-type: none">• Reports• Project Website	