

UTC Project Information	
Project Title	IDENTIFICATION OF UNPREDICTABLE SOURCES OF NON-RECURRING CONGESTION & MITIGATING STRATEGIES (Project A4)
University	Team: University of North Carolina Chapel Hill, GaTech, University of Alabama at Birmingham, Auburn
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Funding Source(s) and Amounts Provided (by each agency or organization)	STRIDE: \$247,389
Total Project Cost	\$247,389
Agency ID or Contract Number	69A3551747104
Start and End Dates	August 1, 2020 to January 31, 2022
Brief Description of Research Project	<p>Transportation Systems Management and Operations (TSMO) strategies implemented by local and state transportation agencies aim at improving mobility and safety through monitoring, providing traveler information and direct intervention. Congestion management has historically focused on mobility improvements that focus on capacity and quality of service for a typical travel day. TSMO strategies often target reliability of travel and non-recurring congestion, with sources including 1) Incidents, 2) Weather, 3) Work Zones, and 4) Special Events. Many of the sources of congestion are inherently unpredictable events and strategies targeting these causes must be adaptive and timely. These strategies are also often difficult to fully capture the effectiveness as data needs may be very high and analysis methods for the operational strategies differ significantly from traditional transportation projects. This project will focus on the identification of strategies available to address unpredictable congestion as well as guidance on implementation and estimating benefits. The results of this project will provide agencies with a playbook of strategies available to address unreliable travel due to a wide variety of sources of congestion. Agencies can utilize the developed case studies in order to consider pilot testing or wide-scale adoption of successful strategies.</p>

Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here	Not available. Research is in progress.
Impacts/Benefits of Implementation (actual, not anticipated)	Not available. Research is in progress.
Web Links <ul style="list-style-type: none"><li>• Reports</li><li>• Project website</li></ul>	<a href="https://stride.ce.ufl.edu/stride-project-a4/">https://stride.ce.ufl.edu/stride-project-a4/</a>