UTC Project Information – CAMMSE @ UNC Charlotte	
Project Title	Corridor Level Adaptive Signal Control
University	The University of Texas at Austin
Principal Investigator	Randy Machemehl
PI Contact Information	(512)-471-4541 / rbm@mail.utexas.edu
Funding Sources and Amount Provided (by each agency or organization)	The University of North Carolina at Charlotte: $140,000
Total Project Cost	$140,000
Agency ID or Contract Number	
Start and End Dates	01/15/2017 – 09/30/2019
Brief Description of Research Project	Traffic congestion in Austin Texas is becoming more problematic as the City continues growing rapidly. Current estimates indicate over 150 people per day are moving to Austin. To deal with the growing congestion problem in many travel corridors, the City is proposing adaptive traffic signal systems for several routes. The first pilot test is to be on a north-south route (Lamar Blvd) that experiences congestion particularly during the AM peak time. Before-after assessments of the proposed timing methodology will be developed from field observations and form the basis for improving the concept. The chosen corridor is an excellent test bed since it features hard-wire connected signal controllers and video surveillance. Street geometry includes two lanes each direction

	with a continuous two-way left turn lane. The research team has extensive experience with adaptive signal control concepts and this knowledge will be a significant contribution to the effort. Before-after field data combined with micro-simulation will constitute the primary tools. The research team also has a fully calibrated network model and dynamic traffic assignment capabilities to examine the likelihood of travelers changing paths potentially impacting the Lamar corridor signals.
Describe Implementation of Research Outcomes (or why not implemented) *Place Any Photos Here*	
Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links • *Reports* • *Project website*	https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2017-UTC-Project-Information-04-Machemehl.pdf https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2017-UTC-Project-Report-04-Machemehl-Interim-Report.pdf