



## Center for Advanced Multimodal Mobility Solutions and Education

UTC Project Information – CAMMSE @ UNC Charlotte	
<i>Project Title</i>	Forecasting Ridership for Commuter Rail in Austin
<i>University</i>	The University of Texas at Austin
<i>Principal Investigator</i>	Randy Machemehl
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<i>Funding Sources and Amount Provided (by each agency or organization)</i>	The University of North Carolina at Charlotte: \$140,000
<i>Total Project Cost</i>	\$140,000
<i>Agency ID or Contract Number</i>	
<i>Start and End Dates</i>	01/15/2017 – 09/30/2018
<i>Brief Description of Research Project</i>	<p>Austin Texas is one of the most rapidly growing cities in the United States. Current estimates indicate over 150 people per day are moving to Austin. To deal with the growing transportation needs, Capital Metro is proposing the addition of commuter rail services in several corridors where publically owned rail right of way is available. Forecasting ridership for such services is problematic due to a lack of experience with access modal choices and the potential operational state of the transport system due to rapid growth. The research team has developed dynamic traffic assignment algorithm for such problems, however, it currently estimates time and cost of access in very rudimentary ways. This work will develop robust predictive tools for assessing modes used</p>



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	<p>for accessing the proposed commuter rail systems.</p> <p>The purpose of this project is to develop the proposed models using a combination of stated preference survey data and analogies with other cities.</p>
<p><i>Describe Implementation of Research Outcomes (or why not implemented)</i></p> <p><i>Place Any Photos Here</i></p>	
<p><i>Impacts/Benefits of Implementation (actual, not anticipated)</i></p>	
<p><i>Web Links</i></p> <ul style="list-style-type: none"> <li>• <i>Reports</i></li> <li>• <i>Project website</i></li> </ul>	<p><a href="https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2017-UTC-Project-Information-03-Machemehl.pdf">https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2017-UTC-Project-Information-03-Machemehl.pdf</a></p> <p><a href="https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2017-UTC-Project-Report-03-Machemehl-Final.pdf">https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2017-UTC-Project-Report-03-Machemehl-Final.pdf</a></p>