



CENTER FOR CONNECTED AND AUTOMATED TRANSPORTATION

1 UTC Project Information

Project Title	On Measuring the Transportation Equity Implications of Connected and Autonomous Vehicles (CAV)
University	University of Michigan
Principal Investigator	Tierra Bills
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Funding Source(s) and Amounts Provided (by each agency or organization)	CCAT
Total Project Cost	\$21,600
Agency ID or Contract Number	69A3551747105
Start and End Dates	September 2017 – May 2018
Brief Abstract of Research Project	An investigation and review of methods for measuring the transportation equity impacts of CAVs.
Most Relevant CCAT Research Thrusts (choose all applicable)	<input type="checkbox"/> Enabling Technology <input checked="" type="checkbox"/> Policy & Planning <input type="checkbox"/> Human Factors <input type="checkbox"/> Infrastructure Design & Management <input type="checkbox"/> Control & Operations <input type="checkbox"/> Modeling & Implementation
Describe Implementation of Research Outcomes (or why not implemented)	This work involved a extensive review of two primary bodies of literature, 1) previous studies focusing on predicting the utilization of CAVs, as well as likely changes in travel behavior, and 2) method applied in previous studies for measuring transportation equity impacts of transportation changes. This review was successfully completed.
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	This review highlights that critical gaps exist in available methods for measuring potential equity impacts of CAVs, and identifies important research needs. While there exists methods for measuring broader and longer impacts of CAVs, more guidance on accounting for equity effects is warranted.
Web Links	ccat.umtri.umich.edu
<ul style="list-style-type: none"> • Reports • Project website 	