



# CENTER FOR CONNECTED AND AUTOMATED TRANSPORTATION

Project Title	CCAT Ann Arbor Connected Environment (AACE) Operations and Maintenance	
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Institution:	University of Michigan	
Department:	CEE	
Industry or Government Principal, organization, and contact information	Mcity – Dr. Huei Peng UMTRI – Dr. James Sayer	
Most relevant CCAT research thrusts (choose all applicable)	<input checked="" type="checkbox"/> Control & Operations <input checked="" type="checkbox"/> Enabling Technology <input checked="" type="checkbox"/> Human Factors <input checked="" type="checkbox"/> Infrastructure Design & Management <input checked="" type="checkbox"/> Modeling & Implementation <input checked="" type="checkbox"/> Policy & Planning	
Funding Request	\$172,000	
Matching Funds and Source (if any)		
Total Project Cost	\$172,000	
Contract Number	69A3551747105	
Project start/end dates	11/1/2021 - 6/30/2023	
Project Abstract	<p>This funding is to augment maintenance and operations of the Ann Arbor Connected Environment. The Ann Arbor Connected Environment is one of the largest operational, real-world deployment of DSRC connected vehicles and infrastructure in the world. In 2017, it was expanded to encompass the entire City of Ann Arbor – 29 square miles. It has 70 infrastructure sites to include three curve speed warning sites, four pedestrian crosswalks, five freeway sites, one roundabout, two test sites, and fifty-five intersections that are instrumented. More than 2,200 cars, commercial trucks, and transit vehicles were equipped with global positioning systems and dedicated short-range communications. All devices pass industry certification testing and use production security. Additionally, the environment complies with all regulatory requirements such as FCC</p>	





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	licensing. This project contributes to the continued operations and maintenance of the Ann Arbor Connected Environment, which is currently funded by Mcity. The Ann Arbor Connected Environment is used by many CCAT researchers and industry stakeholders. It enables research in all CCAT research thrusts for connected and automated transportation including Enabling Technology; Planning and Policy; Human Factors; Infrastructure Design and Management; Control and Operations; and Modeling and Implementation.
High-level implementation plan	n/a
Project Metrics	n/a
Web Links: [leave blank until project approval]	<a href="http://ccat.umtri.umich.edu">ccat.umtri.umich.edu</a>

