



## University Transportation Centers.....

### WHERE TRANSPORTATION IS MADE SAFER

At University Transportation Center's around the nation, the technology of tomorrow is making transportation safer today. The US Department of Transportation's University Transportation Center program helps fund projects that make transportation safer. In partnership with the private sector, US DOT, and municipal agencies, University Transportation Centers are developing technology, business models, and expertise in making vehicles, roads, and our transit system safer for all users. Here are some examples:

### University Transportation Center Focus Safety

#### Novel Collision-Avoidance System for Bicycles University of Minnesota

**Summary:** To reduce the number of injuries and fatalities caused by bicycle–vehicle crashes, researchers at the University of Minnesota have developed a sensor suite and warning system that can be installed on bicycles. The system can predict imminent bicycle–vehicle crashes and provide an audio warning to nearby drivers. It is designed to help drivers keep a safe distance when passing cyclists while minimizing false alarms and unnecessary distractions to drivers. Cyclists also get guidance cues from the system to ensure they don't respond to the improved security by riding more recklessly.

Currently, researchers are working with Quality Bicycle Products on a project funded by the National Science Foundation to explore implementation and possible commercialization of the system. This work includes a forthcoming intensive field operational test, which will evaluate 10 instrumented bicycles for six months.



**UTC:** Roadway Safety Institute

**Private Partner:** Quality Bicycle Products

**Project Purpose:** Improve safety by preventing bicycle–vehicle crashes

**Budget: \$1.26 million**

**About the University Transportation Center (UTC) Program:** University Transportation Centers is where innovation begins, it is where we are training a transportation workforce for the 21<sup>st</sup> century, it is where projects are designed better, constructed faster and where our transportation system is made safer. UTCs have used funding authorized by the FAST act to leverage funds from private, state, and local sources to conduct research, train the workforce of tomorrow and produce studies that make our transportation safer, more efficient, and more secure.

About RETRC -- RETRC is a legislative education corporation identified as a 501(c)(6). The purpose of RETRC is to educate, promote, and advocate for the University Transportation Centers. No Federal Funds have been used to support RETRC or its activities.

For more information about the RETRC or the UTC Program - Contact: Jason Pavluchuk – 202-285-6414 [Jason@Jpavllc.com](mailto:Jason@Jpavllc.com)