

Date of Last Update (edit each time): **10/10/2020**

UTC Project Information	
Project Title	Exploring the Safety Impacts of the Older Population’s Access to Autonomous Vehicles and Telemedicine: A Real-World Experiment in a Small and Rural Community
University	Texas A&M University
Principal Investigator	Wei Li
PI Contact Information	wli@tamu.edu ; 979-845-2608
Funding Source(s) and Amounts Provided (by each agency or organization)	<ul style="list-style-type: none">• SAFE-D (Federal): \$219,855• M.W. Keck Foundation (Non-Federal): \$190,000• WOCSOR LLC (Non-Federal): \$ 90,000• City of Nolanville (Non-Federal): \$ 15,000
Total Project Cost	\$494,855
Agency ID or Contract Number	Grant No: 69A3551747115 Project: 05-109
Start and End Dates	09/01/2020 – 05/31/2022
Brief Description of Research Project	<p>In fall 2020, a novel autonomous-vehicle (AV) service named ENDEAVRide will start pilot testing in Nolanville, a typical rural town in central Texas. The AV will serve as a taxicab and a mobile telemedicine portal. This project marks the first attempt to conduct a real-world assessment of AV’s potential safety impacts as a disruptive technology to offer older adults a pathway to continued independent mobility in underserved communities. Collaborating with industry partners, we will explore how older adults (60+) can more safely transit and get access to health care with a “2-in-1” (taxi + telemedicine) service delivered via autonomous vehicles. The perceived and objective safety impacts of this novel service will be explored along with changed travel patterns and reduced healthcare trips.</p>

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	<ol style="list-style-type: none"> 1. Final report 2. Education and Workforce Related: <ol style="list-style-type: none"> a. Delivering one national webinar in which we introduce the motivation, methodology, findings, and policy recommendations of the project b. Using the ArcGIS StoryMap tool to create a webpage, which will allow students to consume the study findings and actively interact with the residents and stakeholders c. Converting our national webinar presentations into a 3-hour course module that will support the Texas A&M University’s Certificate in Transportation Planning, and Aging Certificate d. Creating datasets about travel and safety hotspots, which will be used in transportation and public health courses. e. Providing student funding and internship opportunities f. Delivering a lecture at a local high school g. Organizing a community open house 3. Technology Transfer Related: <ol style="list-style-type: none"> a. Stakeholder focus group b. Presentations to community and industry stakeholders c. A research/policy briefing and infographic for at a glance findings d. Community open house e. National webinar to academia and industry f. Publications in transportation/planning/public health journals g. Conference presentations
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project website 	<p>https://safed.vtti.vt.edu/projects/endeavride/</p>