

UTC Project Information	
Project Title	Delving into Safety Considerations of E Scooters: A Case Study of Austin, Texas
University	Texas A&M Transportation Institute
Principal Investigator	Ipek N. Sener
PI Contact Information	i-sener@tti.tamu.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	Safe-D Federal: 136,590
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Brief Description of Research Project	Dockless electric scooters (e-scooters) are one of the fastest-growing modes of transportation emerging in the U.S. market. During this emergence, e-scooters have quickly evolved from being an exciting mobility option to a transportation mode with many safety concerns. Recognizing these concerns, an initial study was conducted in 2019 by the Austin Public Health Department in coordination with the Centers for Disease Control and Prevention on e-scooter-related injuries in Austin, Texas. Although the study provided valuable first insights, results also highlighted the need to better understand the safety patterns and concerns associated with e-scooters. This proposed case-study project emerges from this need and will aim to provide an in-depth examination of e-scooter safety considerations through a data-driven approach using Austin as the proposed study site. The study will employ various tools to develop a better understanding of e-scooter safety, including a literature review on evaluations of e-scooter safety, an analysis of the characteristics of e scooter-involved crashes, and an examination of people’s perceptions and attitudes of e-scooter safety.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	Students will be the main educational audience targeted by the project; however, researchers, practitioners and policy makers will also be targeted because of the increasing interest in improved-scooter safety analysis. Several activities are planned to increase the impact of this project and transfer the technical knowledge. In addition to the final project report, the main research outcomes include a peer-reviewed journal paper, a conference presentation as well as material to be used into educational and workforce development programs.



Impacts/Benefits of Implementation (actual, not anticipated)

Given the lack of resources and information on the subject, the research findings and procedures will be of particular importance not only to students but also industry partners, local government transportation planning and engineering professionals, universities, and transportation advocacy groups. For instance, the databases developed, and the discussions provided regarding challenges faced and procedures completed during the data collection phase are expected to provide guidance to students, researchers, and practitioners.

Web Links

- Reports
- Project website

<https://www.vtti.vt.edu/utc/safe-d/index.php/projects/delving-into-safety-considerations-of-e-scooters-a-case-study-of-austin-texas/>