



U.S. Department of Transportation Micromobility Activities

The United States Department of Transportation (U.S. DOT) is advancing research on the rapidly evolving field of micromobility. The Federal Highway Administration's (FHWA) Office of Planning, Environment, and Realty (HEP) is the lead convener on the topic, engaging offices across U.S. DOT to coordinate on the following projects and initiatives. These efforts are designed to further the state of the practice and promote collaboration with internal and external stakeholders.

Federal Highway Administration (FHWA)

U.S. DOT Micromobility Working Group

Within HEP, the Office of Human Environment (HEPH) leads a working group with participants from across U.S. DOT to coordinate on current and future micromobility research, and to discuss timely issues related to this rapidly evolving area. The Micromobility Working Group maintains an internal database of ongoing U.S. DOT micromobility research projects, as well as relevant resources from organizations outside of U.S. DOT.

Micromobility and Equity Research

HEPH is continuing to conduct research and develop resources related to the role of equity in shared micromobility systems. This work includes developing micromobility case studies, including case studies on:

- A pilot program in Fort Smith, Arkansas that seeks to provide electric bikes and scooters in underserved neighborhoods.
- An e-bike library in Denver, Colorado that lends e-bikes at no cost to low-income residents in its northeast neighborhoods.
- An E-Scooter Pilot Evaluation in Chicago, Illinois to assess e-scooter impacts on access and climate goals.

HEPH is also developing a Micromobility Regulations and Permitting Equity Synthesis that will discuss the role of regulations and permitting in advancing equitable micromobility systems, provide a literature review summarizing the existing research on this topic, and conduct a gap analysis to identify areas for future research.

External Coordination

FHWA coordinates with a number of external stakeholders to advance the state of the practice of micromobility. This includes engagement with the Transportation Research Board's Mobility Management Committee, the National Science Foundation's Smart & Connected Communities program, and the North American Bikeshare & Scootershare Association. This coordination provides a forum for information sharing and collaborative research efforts within this rapidly evolving field.

For a complete list of FHWA ongoing and completed activities, view the [FHWA Micromobility Activities Sheet](#).





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Federal Transit Administration (FTA)

Impact of Transformational Technologies on Underserved Populations

FTA and FHWA representatives are participating on the [Transit Cooperative Research Program \(TCRP\) B-47 Project Panel](#) to advance research led by the Texas Transportation Institute to examine how transformational transportation technologies — such as micromobility, mobility apps, and new vehicle technologies — affect inclusion and accessibility. This project will examine possible effects of new technologies on both traditionally and newly underserved populations.

Transit and Micromobility

FTA participated in the development of TCRP [Research Report 230](#) with research led by the Shared Use Mobility Center. The report provides an analysis of the benefits and impacts of micromobility and opportunities available to further connections to public transportation. Case studies and lessons learned are presented from various collaborations among cities, transit agencies, and micromobility services. The report is intended for use by public transportation agencies of various sizes and additional audiences that are seeking increased understanding of the evolving micromobility landscape.

Bureau of Transportation Statistics (BTS)

Interactive Bikeshare and E-Scooter System Maps

BTS compiles bikeshare and e-scooter data for U.S. systems. The [Bikeshare and E-Scooter Data and Visualizations webpage](#) highlights data and provides links to stories that show changes over time in the number of systems and, for systems with docking stations, the number of trips.

Intelligent Transportation Systems Joint Program Office (ITS JPO)

Mobility on Demand (MOD) Special Studies – Opportunities and Challenges of Shared Micromobility Infrastructure

ITS JPO is studying shared micromobility as a MOD tool, specifically exploring safety risks and infrastructure challenges. The study will identify how infrastructure can adapt to better cater to shared micromobility and summarize strategies that can help to reduce risk and increase the potential for these modes with an eye towards infrastructure.





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Multimodal and Accessible Travel Standards Assessment

ITS JPO conducted an assessment of standardization needs to support multimodal and accessible travel options, assessing impacts on ITS and related standards that currently exist or are under development and developing a roadmap for multimodal and accessible travel standardization work. As part of this work, ITS JPO developed a framework to inform the selection and prioritization of standardization work, funded by the JPO and others, needed to support the development, testing, and deployment of multimodal and accessible travel technologies, systems, and services. ITS JPO published a [Forward-Looking Assessment White Paper](#), an [Outreach Report](#), and a [Roadmap for Multimodal and Accessible Traveler Standardization Work](#).

Office of the Secretary of Transportation (OST)

Developing Scalable Models for Safety Insights and Improvements Using E-Scooter Exposure Data

OST contracted a project through the U.S. DOT Safety Data Initiative to obtain data related to micromobility exposure at the road segment level. Based on the route information and available incident data, the project examined safety issues, safety risk rates, risk characteristics, and e-bike/e-scooter route selection. The project team partnered with three case study cities to perform the work. The final report can be found [here](#).



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