Smart Transportation & Innovative Mobility Policy Brief

Transportation technology is rapidly evolving – from electric vehicle fleets and charging station networks, to Hyperloop and advanced air mobility – the future of personal mobility and goods movement is changing before our eyes.

FEDERAL Priorities

- Create a standards committee comprised of industry, technology, education, and government partners to develop codes and guidelines for interoperability and secure data communication.
- Develop standards for cybersecurity and regulate the data collected by autonomous vehicles to preserve the privacy of vehicle owners and users (i.e., location data that can give away sensitive health related information).
- Adopt the standardized naming for advanced driver assistance technology created and updated by AAA, Consumer Reports, J.D. Power and the National Safety Council.
- Engage with all stakeholders to develop for adoption legislative policies for autonomous vehicles related to certification, licensing, training, and tort liability.
- Establish Federal Transit Administration policies and procedures that permit the use of Congestion Mitigation and Air Quality (CMAQ) funding to support connected and/or autonomous vehicle projects.
- Develop standards and guidelines to ensure public autonomous vehicles are ADA accessible.
- Ensure the new Hyperloop technology is developed with ADA accessibility considerations.

STATE Priorities

- Establish a source of grant funds to support local autonomous and connected vehicle projects.
- Support infrastructure improvements that support increased adoption and deployment of alternative fuel vehicles, including electric, compressed natural gas, and hydrogen fuel cell technologies.
- Utilize highway right-of-way assets to improve digital communications infrastructure, particularly in rural areas of Ohio and Michigan, to close broadband and cellular infrastructure gaps.
- Improve technology supporting transportation infrastructure across Ohio and Michigan including clear pavement markings and roadside communication units that support the deployment and testing of vehicle technologies.
- Ensure that, if states require a license to operate an automated vehicle, persons with disabilities cannot be excluded from getting a license based on their disability.
- Follow the guidance within the 2021 Freight Electrification Study and work to develop a network of charging stations across Ohio. Encourage the shift to commercial electric power beginning with local delivery vehicles.

LOCAL Priorities

- Advocate and encourage that, if developed, the Hyperloop stops in Toledo in order for the region to receive some of the economic benefits and provide additional public transportation options.
- Work with DriveOhio, FlyOhio, and local entities to support Ohio's Advanced Air Mobility Framework and the Advanced Air Mobility industry, and position the region for future research and implementation opportunities.
- Utilize Bipartisan Infrastructure Bill (BIL) funding to establish a network of Level 2 and DC Fast Charge stations to facilitate the broader deployment of all-electric and hybrid vehicles.
- Develop local policies for the operation of slow-moving autonomous vehicles in urban areas, prioritizing ease of movement for pedestrians and bicyclists.
- Support ongoing and future efforts in Ohio and Michigan to create a seamless transportation technology deployment strategy between states.
- Identify potential candidates for a smart corridor.