Michigan DOT
CAV Update

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Michigan Traffic Deaths

In 2017, 1,028 people died in motor vehicle crashes – an increase of 4.9 percent from 2008.

*Image Courtesy of Michigan Traffic Crash Facts: Statewide 2017
Michigan Office of Highway Safety Planning
Connected Automation for Greatest Benefits

**Autonomous Vehicle**
Operates in isolation from other vehicles using internal sensors

**Connected Vehicle**
Communicates with nearby vehicles and infrastructure

**Connected Automated Vehicle**
Leverages autonomous and connected vehicle capabilities
Infrastructure Support of Automated Vehicles

- **Digital Infrastructure**
  - Surveying / Digital Mapping
  - Vehicle-to-Infrastructure Connection
    - SPaT
    - Traveler Info
    - V2I Applications

- **Physical Infrastructure**
  - Pavement Markings
  - Roadway Signage
  - Geometric Design

- **Regulatory Frameworks**
  - Senate Bills/Public Acts
Connected and Automated Vehicle Program
Strategic Plan
**Goal 1:** Serve as a national model to catalyze CAV deployment

**Goal 2:** Establish Foundational systems to support wide-scale CAV deployment

**Goal 3:** Make Michigan the go-to state for CAV research and development

**Goal 4:** Accelerate CAV benefits to users

**Goal 5:** Exploit mutual benefit opportunities between CAV tech and other department business processes/objectives

**Goal 6:** Use Michigan experience to lead dialogue on national standards and best practices
Open Invitation: Michigan’s Legislation
Research is in Full Force

Eliminates “test only” restriction

Confidence for researchers
PUBLIC ACT No. 332
Mike Kowall (R-White Lake), Primary Sponsor

Open for Transport
Platooning of commercial vehicles
Supporting the military, large shipping or logistics companies
PUBLIC ACT No. 332
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A New Way to Ride

Automated vehicle networks connected to consumers

Creates array of travel options for consumers
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State of Michigan Support

Council on Future Mobility reports to the legislature annually; recommends new laws or revisions are needed

What new policies would help enhance safety, mobility and the state’s economy through this technology
PUBLIC ACT No. 333
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Supports Manufacturers

Provides specific standards for SAVE projects

Vehicle networks started and controlled by vehicle manufacturers
World Class Destination

Creates the American Center for Mobility (ACM)

The mission of the ACM is still evolving and will include vehicle testing in real world conditions
Protection for Mechanics

Ensures that a mechanic, acting in compliance, will not be exposed to liability when working on autonomous technology.
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