



*The Iowa Advisory Council on Automated Transportation is intended to increase roadway safety, personal mobility, and freight movement within the state of Iowa by advancing highly automated vehicle technologies. The Council provides guidance, recommendations, and strategic oversight of automated transportation activities in the state. The structure of the ATC Press Clippings is done to align with the subcommittees and working groups that exist for the Council while aiming to keep the Council and other interested parties informed. Learn more at [iowadrivingav.org/](http://iowadrivingav.org/)*

## Articles and upcoming events

### Infrastructure Readiness

#### Experts predict C-V2X technology will slash traffic fatalities by 80% – Fox-5

*C-V2X (cellular vehicle-to-everything) technology could greatly improve road safety by enabling vehicles to communicate with each other. Experts believe it could reduce traffic fatalities by up to 80% within 12 to 15 years. Dr. Billy Kihei from Kennesaw State University is developing an interim system using C-V2X for radar-like sensing to detect surroundings through obstacles.*

#### Michigan to Launch New 3-Mile Smart Road Highway Pilot – Government Technology

*Michigan is launching a pilot project for a 3-mile "smart" road on Interstate 94, aimed at improving traffic flow and safety for connected and autonomous vehicles. This project will use sensors and wireless communications to provide real-time information about traffic conditions and road obstructions. If successful, the project could expand to a 39-mile corridor.*

## V2X Interoperability Testing and FCC Adopts 'C-V2X' Auto Safety Spectrum Rules: A Message from Brian Cronin – Intelligent Transportation Systems Joint Program Office Director's Blog

*In October 2024, seven transportation agencies demonstrated V2X interoperability in Cheyenne, Wyoming, following the U.S. DOT's National V2X Deployment Plan. The event involved 20 stakeholders testing equipment to enable national V2X deployment, achieving a 90% success rate.*

## Gridlock Guy: May Mobility's driverless vans are coming to Atlanta's streets – The Atlanta Journal-Constitution

*May Mobility is introducing driverless vans to Atlanta's streets. These AVs aim to improve urban transportation by reducing traffic congestion and providing a reliable transit option. The initiative is part of a broader effort to integrate advanced technology into the city's infrastructure, enhancing mobility and accessibility for residents.*

## Vienna's smart traffic lights are now getting even smarter – Tech Xplore

*Vienna's new smart traffic lights, an upgrade from the 2018 version, have better cameras and computing power. They can now accurately detect people with mobility issues or strollers, monitor multiple crossings, and ensure privacy by deleting images within 50 milliseconds.*

## NDOT begins testing Variable Advisory Speed signs on I-80 – KNOP News 2

*The Nebraska DOT has started testing variable advisory speed signs on Interstate 80. These signs are designed to provide real-time speed recommendations based on current traffic conditions, weather, and road incidents. This pilot project will help determine the effectiveness of these signs in reducing accidents and congestion.*

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## **Policy & Legislation**

### US rejects bid to rethink new automobile automatic emergency braking rules – Yahoo! Finance

*NHTSA has decided not to reconsider the new rules for automatic emergency braking (AEB) systems in vehicles. These rules, set to take effect in 2029, require nearly all new cars and trucks to have advanced AEB systems capable of stopping and avoiding collisions at speeds up to 62 mph.*

## What does the Autonomous Trucking Industry Need from Washington to Scale Commercial Operations? (YouTube) – The Road to Autonomy podcast episode 249

*Daniel Goff, Director of External Affairs, Kodiak joined Grayson Brulte on The Road to Autonomy podcast to discuss what the autonomous trucking industry needs from Washington, D.C. as the industry scale commercial operations.*

## Why the AV sector may welcome Trump team's plan to establish federal regulations – Tech Brew

*Federal regulations for the AV sector are expected to undergo significant changes under the Trump administration. Elon Musk, CEO of Tesla, has been appointed to co-lead the Department of Government Efficiency, which aims to streamline regulations and reduce government spending. Potential conflicts of interest are highlighted due to Musk's various business ventures.*

## Legal Challenges of Autonomous Vehicle Accidents in Texas – Lawyer Monthly

*Texas has become a key area for AV operations, supported by legislative measures like Senate Bill 2205. This bill allows AVs on public roads if they meet safety and regulatory standards. However, determining liability in accidents involving these vehicles is complex. Legal frameworks are evolving to address these challenges, emphasizing the need for rigorous safety testing and clear guidelines.*

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## **Economic Development**

### Waymo ridership skyrocketed in SF this year—here's how much – Fox 2 KTVU

*Waymo's ridership in San Francisco increased by 50% this year due to expanded service areas and improved vehicle availability. This growth reflects the rising acceptance of autonomous ride-hailing services in the city.*

### Germany to push for autonomous vehicles in public transport, freight – Yahoo! News

*The German government has approved a strategy to promote the use of AVs for public transportation and freight delivery. The goal is to establish the world's largest single-operating area for AVs in Germany by 2028. This initiative aims to enhance road safety, improve public transport, and address driver shortages.*

### Self-driving car company Nuro expands 'AI-enabled,' occupant-free vehicles in Houston – Houston Public Media

*Nuro is expanding its autonomous vehicle operations in Houston by 70%, introducing new zero-occupant vehicles powered by the AI-enabled Nuro Driver system. These vehicles will operate without a safety driver and handle multi-lane roads, complex scenarios, and night operations.*

### Waymo Officially Enters the L.A. Marketplace – Los Angeles Business Journal

*Waymo has officially launched its AV service in Los Angeles. This marks the company's largest city for its robotaxi operations, following previous launches in Phoenix and San Francisco. Waymo's vehicles are currently limited to surface streets and cannot use the extensive highways that are common in L.A.*

### Mercedes to use Momenta software in 4 models, accelerate China comeback, sources say – Reuters

*Mercedes-Benz plans to integrate Momenta's advanced driving assisted system features into four of its models to boost its presence in the Chinese market. This collaboration with Momenta aims to enhance the driving experience and safety features of Mercedes vehicles.*

### Waymo is coming to Miami with our newest fleet partner Moove – Waymo

*Waymo is expanding its autonomous ride-hailing service, Waymo One, to Miami. Starting in early 2025, Waymo will begin testing its all-electric Jaguar I-PACE vehicles in the city. This expansion is part of a partnership with Moove, which will manage fleet operations and infrastructure.*

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## **Public Safety & Enforcement**

### General Motors Wants to Stop People Being Mean to Autonomous Vehicles – Auto Guide

*General Motors has patented a system to prevent autonomous vehicles from being bullied by pedestrians and other road users. Using sensors, cameras, and machine learning, the system detects adversarial behavior and can respond with warnings, alert authorities, or find alternate routes.*

### Can emergency vehicle lights confuse automated driving systems? – Government Technology

*Researchers from Ben-Gurion University and Fujitsu Limited discovered that flashing lights from emergency vehicles can confuse automated driving systems (ADS), especially at night. This "digital epileptic seizure" effect causes ADS to*

*misinterpret objects, particularly in image-based detection systems. The impact on lidar and radar systems remains uncertain.*

### Partial automation that allows some manual steering may help keep drivers engaged – Insurance Institute for Highway Safety (IIHS)

*Partial automation systems that allow some manual steering help keep drivers more engaged. Known as cooperative steering, these systems let drivers make minor adjustments without deactivating automation. This approach encourages active driver participation, especially in challenging situations.*

### Tesla introduces game-changing safety feature to protect cyclists and pedestrians: 'Bravo' – The Cool Down

*Tesla's latest software update adds a blind spot monitoring feature that enhances safety when the vehicle is parked or idle. It prevents doors from opening if an object is detected in the blind spot, flashing a warning light, sounding an audio alert, and temporarily blocking the door.*

### Man Sues For \$745,000 After Crash With 'Self-Driving' Tesla Blows Through Stop Sign – Car Scoops

*A Portland man is suing a Tesla driver after his car was T-boned by a Tesla allegedly in self-driving mode that ran a stop sign. The incident has sparked debate over the reliability of AV technology and driver responsibility. He suffered significant injuries and is seeking compensation for medical expenses, lost income, and pain and suffering.*

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## **Research, Development, Testing & Evaluation**

### Self-driving cars are on their way to southeast Ohio – WOSU Radio

*Researchers from Ohio University, DriveOhio, and the Ohio DOT tested AVs on rural roads in southeast Ohio. The study found that while the vehicles performed well on some routes, they faced challenges with GPS accuracy and navigating busy areas.*

### I-4 traffic may become safer, smoother with technology being researched at Florida Polytechnic University – Fox 13 Tampa Bay

*Florida Polytechnic University researchers, with Florida DOT, are developing roadside units for the I-4 corridor to improve safety and reduce congestion. These*

*units communicate with vehicle software to alert drivers about traffic issues, aiming to cut crashes and delays.*

### Self-Driving Company Launches New Vehicle in Japan – IOT World Today

*May Mobility has launched an AV service in Japan using a customized Toyota e-Palette shuttle. Operating at Toyota Motor Kyushu's factory in Miyata, Fukuoka, the shuttle will transport employees and guests along a route with six stops. A human monitor will be on board to meet safety regulations.*

### Baidu's Apollo Autonomous Vehicles Granted Licence to Test in Hong Kong – U.S. News & World Report

*Baidu's Apollo AVs have received a license to test in Hong Kong. Starting December 9, 2024, trials with 10 AVs will begin in North Lantau. This is Baidu's first permit for AV testing outside mainland China. Initially, one self-driving car will operate on specified road sections with a backup operator on board.*

### Brussels Airport tests self-driving shuttle bus for staff – Belga News Agency

*Brussels Airport is testing a self-driving shuttle bus to improve staff mobility and efficiency. The autonomous shuttle is designed to navigate the airport safely and reliably, providing a convenient transit option for employees.*

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## Upcoming Events

### Research Connection Webinar: Investigating Teleoperated Equipment for Use in Caltrans Operations

Caltrans

December 10

11:00 a.m.

#### **Presenters:**

Jonathan Wood - Iowa State University

Charles Sikorsky - Iowa State University

### A Vision for the Future of Transportation with Kristin White

Center for Connected and Automated Transportation (CCAT)

December 10

12:00 p.m.

**Presenter:**

Kristin White - Federal Highway Administration

Innovation Webinar: Smart Work Zone Control and Performance Evaluation  
Based on Trajectory Data

*MassDOT*

December 12

12:00 p.m.

**Presenters:**

Yuanchang Xie - UMass Lowell

Corey O'Connor - MassDOT

From Aviation to Autonomous Vehicles: Leveraging the InfoShare Model for AV  
Safety

*Partners for Automated Vehicle Education (PAVE)*

December 12

1:00 p.m.

**Presenters:**

Kevin Reilly - Cruise

Tanya Hood - Forterra

Steven Siko - Torc Robotics

The Future is Smart Roads: The Next Evolution in Transportation

*Cavnue*

December 17

1:00 p.m.

**Presenters:**

TBD

## **Recent Events**

Iowa Advisory Council on Automated Transportation Meeting Materials

*Iowa Advisory Council on Automated Transportation*

Tuesday, October 29