



*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

**August 5, 2024**

### Infrastructure Readiness

[SDOT Engages Community on the Future of Autonomous Vehicles in Seattle, Prioritizing Safety, Equity, Sustainability, and Collaboration – Seattle Department of Transportation](#)

*Seattle's Department of Transportation (SDOT) has been actively preparing for the arrival of autonomous vehicles (AVs). In collaboration with the City of Bellevue, SDOT developed an Autonomous Vehicle Strategic Vision, emphasizing safety, equity, and sustainability. They've also established the Autonomous Vehicle Inclusive Planning Cohort (AVIPC) to center community voices in AV policymaking while prioritizing public safety.*

[How Cavnu is using a Michigan pilot project to make roadways smarter – Tech Brew](#)

*Cavnu, a subsidiary of Alphabet's Sidewalk Infrastructure Partners, is conducting a pilot project on a three-mile stretch of highway in Michigan. Their goal is to create*

*a smart-road infrastructure that enables communication between the road and connected vehicles. Cavnuce plans to extend this technology across 39 miles, connecting Ann Arbor to Detroit and benefiting major employment hubs along the route.*

### Balancing Cybersecurity Threats in Smart Cities: Is the Potential Convenience of “Smart” Intersections Worth the Risk? – Gravel2Gavel

*Cities are increasingly adopting smart traffic lights to enhance urban services and infrastructure. These intelligent traffic systems rely on sensors, cameras, and connected cars to collect transportation data, which is then interpreted by AI programs. The benefits include easing traffic congestion, improving pedestrian safety, and providing real-time traffic information to connected vehicles. However, there are cybersecurity risks associated with these systems, including the vulnerability of traffic signals to hacking.*

### Connected Work Zone Implementation Guidance Standardization (CWZ Standard) – Institute of Transportation Engineers

*The Institute of Transportation Engineers (ITE) intends to adopt the Connected Work Zone (CWZ) Recommended Standard (RS) assuming no final comments or appeals are received by August 28, 2024.*

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## **Policy & Legislation**

### Measure to fund Muni by taxing Uber, Waymo heads to November ballot – San Francisco Examiner

*San Francisco activists are proposing a second tax on ride-hailing services like Uber, Lyft, and Waymo. The tax aims to generate \$3 million annually to support the cash-strapped Muni transit system.*

### The evolving safety and policy challenges of self-driving cars – Brookings

*The evolving safety and policy challenges of self-driving cars are a pressing concern for U.S. policymakers. While self-driving technology promises benefits like improved road safety and increased mobility, an effective regulatory system has not yet been established to address safety concern.*

### FCC to Vote on Auto Safety 5.9 GHz Rule – Inside Towers

*The proposed changes would allow in-vehicle and roadside units to operate cellular-vehicle-to-everything (C-V2X) technology. This technology facilitates*

*communication between vehicles, roadside infrastructure, and other road users, enhancing safety and enabling features like non-line-of-sight awareness and automated driving. The rules would provide flexibility for the auto industry to use three 10 MHz channels either separately, in combination as a 20 MHz channel, or as a single 30 MHz channel, while prioritizing safety-of-life communications.*

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## **Economic Development**

### Coalition to shed light on economic impact of autonomous vehicles – The Robot Report

*A group of businesses, nonprofits, and advocates from the autonomous vehicle ecosystem today launched the U.S. AV Jobs Coalition. Through the online platform, the coalition shares resources, statistics, and initiatives related to AV workforce impacts on the U.S. economy. The coalition provides four options for states to prepare for AV workforce opportunities: invite stakeholder input, conduct research, build programs, invest in the future.*

### Autonomous delivery startup Nuro is gearing up for a comeback – Tech Crunch

*The California Department of Motor Vehicles has granted Nuro approval to test its third-generation R3 autonomous delivery vehicle which are designed for goods transport, will operate in Mountain View, Palo Alto, Los Altos, and Menlo Park. Despite previous setbacks, Nuro continues to focus on refining its autonomy technology and has a 10-year commercial deal with Uber Eats.*

### Self-driving tech company WeRide accelerates global expansion as transportation industry adopts AI – CNBC

*Self-driving technology firm WeRide is accelerating its global expansion as the artificial intelligence boom boosts adoption of machine learning in transportation. The company develops self-driving technology for robotaxis, minibuses, freight vehicles and sanitation vehicles. They have autonomous driving permits from the U.S., China, UAE, and Singapore.*

### Kodiak Robotics is taking self-driving trucks off-road to reach profitability faster – Tech Crunch

*In addition to their long haul trucking routes, Kodiak Robotics is venturing off-road. In partnership with Atlas Energy Solutions, Kodiak aims to launch a fully driverless commercial trucking service by the end of 2024 or early 2025. Their recent driverless delivery run in Texas's remote Permian Basin demonstrated the*

*feasibility of navigating unstructured, off-road environments. For Atlas, the value of autonomy in sand-moving operations outweighs that of over-the-road trucking.*

#### AVIA: This week in AV News – Autonomous Vehicle Industry Association

*Newsletter that includes a discussion with Secretary of Transportation Pete Buttigieg, AVIA interactions at ARTS24, AV advancements for Kodiak, Nuro as well as riders' experiences with various AVs in California.*

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## **Public Safety & Enforcement**

#### Rising use of automated driving aids prompts safety recall and new investigations – The National Desk

*More drivers are using some form of partial automated driving assistance on the roads—like hands-free driving, adaptive cruise control, automatic lane changing, and lane centering assistance—but safety experts warn not to get too reliant on those systems. NHTSA has opened multiple investigations into several manufacturers regarding potential safety defects in ADAS and ADS systems, which have led to recalls of several ADAS and ADS systems.*

#### Aurora, Waymo Seek Alternative to Roadside Warning Triangles – Transport Topics

*For decades, truck drivers have used warning triangles to alert oncoming traffic when their trucks are parked alongside highways. Now, autonomous technology developers Aurora and Waymo propose an alternative: front- and rear-facing amber lights mounted on the cab to signal that the vehicle is parked and out of commission. The trucking industry supports this safer option, which eliminates the need for drivers to walk near traffic while placing triangles*

#### Tesla in fatal Monroe crash was using self-driving system, authorities say –The Seattle Times

*A driver who was distracted by his phone, admitted to the authorities that he was using the Tesla's autopilot feature at the time of the collision. The investigation is ongoing.*

#### Announcing Cruise's Emergency Responder Advisory Council – Cruise

*Cruise's Emergency Responder Advisory Council is made up of experts who will engage directly with Cruise's internal teams – engineering, safety, operations and more. Their goal is to more deeply integrate emergency responders' feedback –*

*from software and engineering, to emergency responder and community engagement and other initiatives.*

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

### Transportation Researchers Receive \$1.5 Million NSF Grant to Improve Automated Vehicles and Intelligent Transportation Systems – UCLA

*Their project aims to create an open-source ecosystem called DriveX, which will simulate how AVs interact with intelligent transportation systems. The goal is to foster collaboration among academia, industry, and government agencies to build safer, more sustainable integration of AVs.*

### 93% Have Concerns About Self-Driving Cars According to New Forbes Legal Survey – Forbes Advisor

*A recent survey commissioned by Forbes Advisor sheds light on attitudes toward self-driving cars among Americans. The results dive into the consumer's concerns associated with safety, trust, willingness to purchase, and future applications for AVs.*

### New dataset kicks autonomous vehicle research into high gear – Tech Xplore

*A new dataset promises to accelerate the development of autonomous vehicle (AV) technology by providing researchers with a wealth of previously unavailable real-world driving data captured from multiple vehicles over repeated trips. The MARS (MultiAgent, multitraveRSal, and multimodal) dataset is publicly available.*

### Q&A: Three's not a crowd when it comes to ADAS sensors – SAE International

*Valeo emphasized that Level 3 requires a combination of LiDAR, radar, and cameras. Valeo's Scala 3 LiDAR received CES 2024 Innovation Award, and Stellantis chose Valeo's third-generation lidar for its level 3 automation capabilities.*

### Editorial Feature: Could Self-Driving Cars Reduce Air Pollution? – AZO Clean Tech

*AVs have gained considerable attention for offering substantial ecological advantages over traditional cars. Various researchers have found that AVs could reduce emissions.*

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## Upcoming Events

### Quantifying Autonomous Vehicle Pedestrian Interactions at Intersections

*Safety Research Using Simulation (SAFER-SIM), University of Iowa*

Tuesday, August 6

2:00 p.m.

**Presenter:**

Pei Li – University of Wisconsin-Madison

### Implementing Interoperable & Scalable Traffic Events and Warnings

*ITS America*

Thursday, August 8

2:00 p.m.

**Presenters:**

Blaine Leonard – Utah DOT

Kjeld Lindsted – Cirrus by Panasonic

Lauren Cordova – Cirrus by Panasonic

## Recent Events

### 2024 TRB Automated Road Transportation Symposium (ARTS24)

*July 29 - August 1*

ARTS24 provided updates on the current research and development, advanced engineering progress, and field deployment results. To view breakout session summaries (shared the following day), click on the link below and then click "View Presentation".

Monday, July 29

Tuesday, July 30

Wednesday, July 31