



Photo by: [USDOT](#)

## [USDOT plans V2X Summit](#)

The United States Department of Transportation is planning to assemble transportation stakeholders for a V2X summit later this year. With 43,000 deaths from vehicle crashes in 2021, V2X is a technology that could eliminate millions of vehicle crashes per year – so much so, the NTSB has placed V2X on their “[most wanted list](#).” USDOT intends to convene states, private industry, and other interested parties to support and encourage the deployment of V2X technologies.

## [Colorado expands RSU deployment](#)

The Colorado Department of Transportation will add 150 roadside units to its CV technology deployment over the next year. These units can, for example, send congestion data or hazard warnings to properly-equipped vehicles, and vehicles can send data such as vehicle speed and anti-lock brake status information. The RSUs also allow for traffic signal preemption or priority, providing emergency vehicles and snowplows with priority travel through intersections.



Photo by: [StateScoop](#) /  
Getty Images



## Ford files patent for Smart Toll system

Ford has filed for a patent on a C-V2X-based tolling system. Utilizing C-V2X RSUs and an OBU within the vehicle, the system can communicate toll costs to the driver and collect the toll automatically. The system offers per-lane vehicle location information, providing the accuracy necessary to charge different toll rates to vehicles within, for example, a high-occupancy lane.

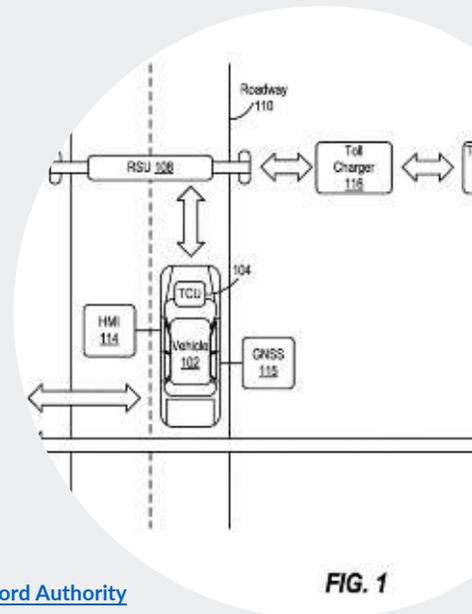


Photo by: [Ford Authority](#)

FIG. 1



Photo by: [Virginia Mercury](#)

## VDOT looks to predict traffic incidents by deploying artificial intelligence

The Virginia Department of Transportation (VDOT) is preparing to award a contract to develop an artificial-intelligence-based decision support system. Initial deployment of this system is expected in 2023. The AI support system will utilize real-time and historical transportation data to predict future conditions, providing decisionmakers with advanced notice and potentially reducing response times. This rollout is part of a broader transportation monitoring program called the Regional Multi-Modal Mobility Program (RM3P), which focuses on the Fredericksburg and Northern Virginia regions, near Washington, DC.

CAV News Bytes is a monthly publication that offers snapshots of some of the latest developments related to Connected and Automated Vehicles (CAVs) and CAV deployments. CAV News Bytes is developed by the Intelligent Transportation Society of America (ITS America) with support from the Connected Automated Vehicle Deployer Task Force.

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