VEHICLE-TO-EVERYTHING (V2X) DAY ONE DEPLOYMENT DISTRICT (DODD) EXPERIENCE & RIDE ALONG

**8/25-8/27 from 10am-5pm EST
and 8/28 from 10am-2:30pm EST**

The V2X DODD will showcase a **fully operational V2X environment** deployed by Georgia Department of Transportation (GDOT) on live streets in downtown Atlanta, Georgia, USA. The V2X DODD is **one of the largest permanent V2X deployments on live streets** and shows that **V2X applications are ready for widespread deployment today**. The V2X DODD experience at World Congress will be an immersive real-world deployment to show how **V2X can improve the safety and efficiency of how people move** within a busy city. The V2X DODD will showcase that real-time connectivity can improve situational awareness between road users, vehicles, and infrastructure. The V2X DODD includes an experience station and ride alongs for World Congress attendees made possible through public-private partnerships.

The experience station will allow you to interact with V2X deployers and see the V2X hardware up close in the World Congress outdoor demonstration area.

The ride alongs with V2X deployers will allow you to see roadside units (RSUs) communicating with vehicle and road user onboard units (OBUs) in action throughout a one-mile ride along within the larger GDOT V2X deployment.

For example, the Saxton Lab ride along will show how a V2X mobile device app displays the location of a pedestrian near an intersection to alert drivers in near-real time, even if the pedestrian is out of sight. The ride alongs will show 16 smart traffic signals, 15 RSUs, 6 LiDAR sensors, and other smart infrastructure in action! See the V2X DODD experience location and ride along route on the map below.

V2X day one deployments are basic safety applications that can happen with current infrastructure and technology capabilities now.
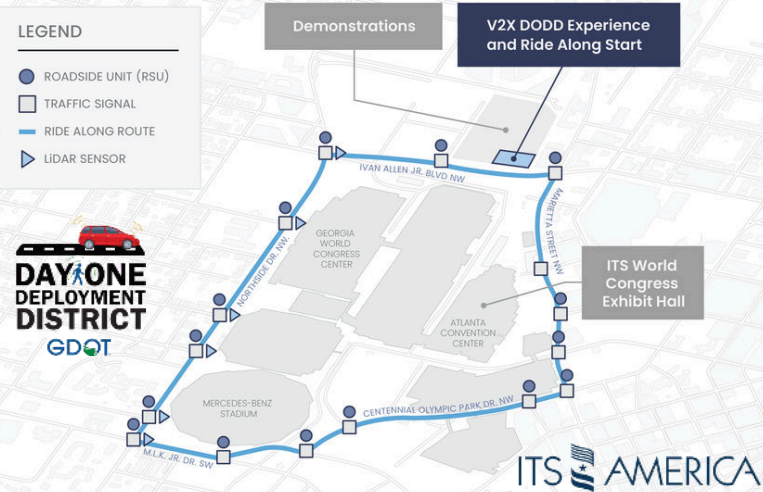
Contact Sarah Abel at sabel@itsa.org with questions or to request ride along ADA accommodations.

Tag us in your photos experiencing #V2XDODD at #ITSWC2025!

Discover more about the GDOT connected vehicle V2X efforts at bit.ly/GDOTV2X

Learn more about the V2X DODD experience and SIGN UP FOR RIDE ALONGS at bit.ly/ITSAV2XDODD

The V2X DODD includes V2X and smart infrastructure deployers that make day one deployment possible. See DODD deployers participating in the experiences below.

Deployer	Experience	V2X uses showcased
GDOT	RIde along	· Signal priority · Dynamic signal phase and timing (SPaT)/MAP · Sensor data sharing message (SDSM) · Several traveler information messages (TIMs)
INTEGRITY Security Services (ISS)	Ride along and stationary in DODD Experience	· Signal priority · SPaT · Vulnerable road user (VRU) safety · Work zone TIM
Iteris	Ride along and stationary in DODD Experience	· V2X message validation · VRU safety
PCTEL	Ride along	· Realtime V2X data collection · V2X data post-processing and analysis · V2X coverage and reliability analysis · Regulatory compliance
Raven Connected Inc. with Esri and Verizon	Ride along and stationary in DODD Experience	· SPaT/MAP · SDSM · VRU safety · Weather TIM · Work zone TIM
Saxton Lab with Verizon, Ettifos, Valtech, University of Arizona, and Keysight	Ride along and stationary in DODD Experience	· SPaT/MAP · SDSM · Work zone TIM · Weather TIM · VRU Safety
Qualcomm, Audi/VW, and Spoke	Ride along and stationary in DODD Experience	· VRU Safety
Derq Inc.	Stationary in Exhibit Hall Booth 1649	· Video-based detection · V2X messages and connected vehicle alerts · Near-miss and crash prevention · Responsive traffic signal operation · Real-time traffic and safety insights
Marben Products	Stationary in DODD Experience	· Vehicle to vehicle (V2V), infrastructure (V2I), pedestrian (V2P) · V2X simulation tool
Keysight	Stationary in DODD Experience	· Live production V2X message analysis and validation
Commsignia	GDOT Provider	· RSUs · VRU Safety · Sensor data sharing message (SDSM) · Basic and personal safety messages (BSM and PSM)
Danlaw	GDOT Provider	· RSUs
Ouster	GDOT Provider and stationary in Exhibit Hall booth 1932	· LiDAR sensor-based detection · SDSM
QFree	GDOT Provider	· Traffic signal controllers · Connected Vehicle Processing