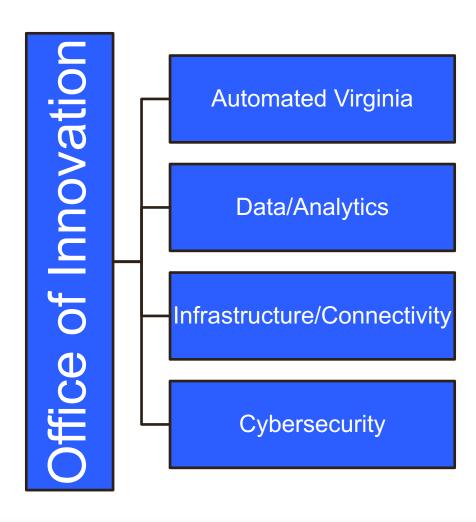


# COMMONWEALTH of VIRGINIA Office of the SECRETARY of TRANSPORTATION

**Automated Virginia – Activity Update for VACO** 

Catherine C. McGhee, P.E. Director of Research and Innovation

### Office of Innovation, Secretary of Transportation



# Automation – It's not all or nothing



Sources: Society of Automotive Engineers (SAE); National Highway and Traffic Safety Administration (NHTSA).
Copplight © 2018 Intel Corporation, All rights reserved. Intel, the Intel lago is a trademark of Intel Corporation in the U.S. and/or other countries.



# Statewide CAV Strategic Plan

#### Virginia CAV Strategic Plan Process

Highway Automation Workshops



Following the **9** Highway Automation Workshops with Virginia's districts, it became clear that a CAV Strategic Plan was needed to organize and structure the Commonwealth's efforts in advancing CAVs.

Participants included VDOT's agencies, local planning district commissions, town/city/county representatives, county chamber of commerce, public transportation agencies, FHWA, and VTRC.

Research



Research was conducted to level set Virginia's agencies on CAV iniatives throughout the Commonwealth on test bed developments, research and outreach efforts, and proof of concept demonstrations; track other CAV efforts across the country at the state and federal level; and centralize federal guidance and recommendations for CAVs.

Government Stakeholders



Throughout the drafting of the CAV Strategic Plan, Virginia's agencies were consulted to discuss its overall structure and direction. Their active feedback helped develop a collective vision, objectives, and enablers that integrated the agencies' different focus areas and allocated the respective responsibilities for the Plan's tasks. Participants included DMV, DRPT, MVDB, VDOT, VACO, VML, Port Authority, VSP, and the Office of the Secretary of Transportation.

Virginia's agencies participated in 3 government workshops to review and agree on draft progress and changes. In addition to these workshops, entities such as *DRPT, VSP, DMV, Port Authority, and VML also participated in 1-on-1 engagements to provide further feedback related to their agencies.* 

Industry Stakeholders



An industry workshop was hosted to allow private sector stakeholders, such as automotive OEMs, tier 1 suppliers, engineering firms, construction firms, universities, and CAV technology operators, a chance to discuss their thoughts on Virginia's attractiveness as a CAV ecosystem and update Virginia's agencies on their current and future developments in Virginia. *Participants included VDOT, KPMG, IIHS, TRI, Kimley-Horn, HNTB, Local Motors, Transurban, UVA, Easy Mile, Volkswagen, AAA, Daimler, VTTI, and Jacobs Engineering.* 

# **Automated Virginia**







## **Unmanned Aerial Systems**

- VDOT continues to implement activities in the 2019 Action Plan
  - Infrastructure assessment
  - Incident and traffic management
  - Environmental applications
  - Rock slope stability
  - Surveying/Construction monitoring



## Virginia Flight Information Exchange

- Information hub focused on providing authoritative state and local data
  - Data shared between state and local agencies and entities
  - Data shared with UAS Service Providers
- Publically available platform for publishing zoning, operational, emergency, safety, and quality of life advisory information

FLIGHT INFORMATION EXCHANGE



COMMONWEALTH of VIRGINIA

Office of the

SECRETARY of TRANSPORTATION