



COMMONWEALTH of VIRGINIA  
*Office of the*  
SECRETARY of TRANSPORTATION

**Virginia Automated 20xx**

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# Virginia Automated 20XX Recap

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- **Commonwealth's strategic plan is intended to guide strategy and policy for transitioning autonomous vehicles**
- **Will align with VTrans 2040 goals**
- **Workgroup established June 2016**
  - **Office of Intermodal Planning and Investment**
  - **Virginia Department of Transportation**
  - **Department of Motor Vehicles**
  - **Motor Vehicle Dealer Board**
  - **Virginia State Police**

# Virginia Automated 20XX Status

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- **Timeline and Activities**
  - External Stakeholder Workshops (Nov-16)
  - Plan Development (continuous)
  - **“State DOTs and Self Driving Cars” Workshop (March - 17)**
  - Charrette (April - 17)
  - White paper: Virginia as a primer (May-17)
  - Peer review draft plan (June - 17)
  - Strategic Plan completion (July - 17)

# Virginia Automated 20XX Federal Guidelines

- **U.S. DOT issued Federal Policy for Safe Testing and Deployment of Automated Vehicles – for “highly automated vehicles”**

<b>Federal Responsibility</b>	<b>State Government Responsibility</b>
Regulating cars and the equipment	Regulating human driver and motor vehicle operation

- **Released September 20, 2016, four-part policy**
- **State role: licensing, traffic laws and regulations, safety inspection and regulating car insurance**
- **VDOT submitted formal comment**
  - **NHTSA received over 1100 comments**
- **Public hearings are on the way**

# Virginia Automated 20XX Internal Workgroup Workshop

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- **November 2<sup>nd</sup>: 12 attendees**
- **11 major functional areas under consideration: V to I, planning, drivers licensing and registration, traffic engineering and safety, vehicle sales oversight, etc.**
  - **What are the necessary public sector roles?**
  - **What existing or new goals are most relevant?**
  - **What actions Virginia should consider to include in strategic plan?**

# Virginia Automated 20XX Internal Workgroup Workshop

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- **Need to determine public sector role, i.e. subsidize first/last mile, AV carpool, fleets etc.**
- **Policy consideration for higher tech transit vehicles**
- **Determine how data will be managed and what analysis is needed**
- **Consider incentivizing technology adoption**
- **Potential funding mechanisms**
- **Desire origin/destination data in the future**
- **Consider testing knowledge on use of Level 3 autonomous technology (AV)**
- **SmartScale stakeholders should consider AV technology**
- **Robust set of modeling tools is needed**
- **Consider dealer requirements to explain features of AV**

# Virginia Automated 20XX External Workgroup Workshop

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- **November 16<sup>th</sup>: 16 attendees**
- **Representation included: transit, FHWA, MPO's, COG, TPO**
- **Potential needs or actions by the Commonwealth:**
  - **Test AV/CV on dedicated lanes**
  - **Develop detailed travel demand models to help plan**
  - **Establish prototype corridors vs. statewide transition**
  - **Research freight impacts**
  - **Include bicycle, pedestrian and safety perspectives**
  - **Understand paratransit impacts**
  - **Understand and consider decrease in transit operating and increase in maintenance**
  - **Investment guidance needs to be developed an flexible funding**
  - **Approaches to accommodating a mixed fleet**

# Virginia Automated 20XX

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- Next steps
- Questions and discussion?

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