



Economic Success Strategic Plan Test Track for the Future of Autonomous Vehicles Event Recap

Economic Advisory Commission

June 5, 2017

fairfaxcounty.gov/success/events/autonomous-vehicles.htm

Economic Strategic Success Plan

- Goal 1: Diversify the Economy
 - Growing the innovation ecosystem
 - Creating places that will spur & stimulate breakthrough collaboration
 - Collaborate with research institutions
 - Focus on target industries



FOX5 Video

Video

Play 0:19 - 3:27

<http://www.fox5dc.com/news/local-news/252568310-story>





Fairfax County Government Center, Wednesday, May 3rd, 2017

- Connected and Autonomous Vehicle (CAV) 101
- Provide a platform for Virginia Tech, VDOT, and others to share their work
- Showcase the research happening in Fairfax
- Convene the CAV ecosystem





- Demonstration rides provided by Tesla, VDOT, and eTrans Systems
 - Connected and Autonomous Vehicle Technology
- Great press coverage - NBC4, FOX5, WTOP, WUSA9, WAMU & more



Panel

- Moderator: **David Zipper**, Managing Director, 1776
- **John Estrada**, CEO, eTrans Systems
- **Dwight Farmer**, Senior Advisor, RK&K
- **Cathy McGhee**, Research Director, Virginia Transportation Research Council
- **Reginald Viray**, Intelligent Transportation Specialist, Virginia Tech Transportation Institute



Connected and Autonomous Vehicles 101

- **Autonomous Vehicles:** Vehicle can operate without direct driver input to steer, accelerate or brake
 - Level 0: No Automation
 - Level 1: Function-specific Automation
 - Level 2: Combined Function Automation
 - Level 3: Limited Self-Driving Automation
 - Level 4: Full Self-Driving Automation
- **Connected Vehicles:** use technology to communicate with other vehicles & roadway infrastructure
- It's safest and most effective when they are used together



Virginia Connected Corridor



Outcomes

- Informed staff, community, and business representatives about technology, research, and implications for the future
- Strengthened our relationships & connections with VDOT, VTRC, & industry
 - Created new connections with industry
 - VDOT & VTRC are looking for demonstration projects
- Created prospective opportunities to develop a competitive advantage



Next Steps

- Foster Connected and Automated Vehicle Ecosystem
- Partner on Big Data for Mobility Pitch/ Reverse Pitch Event in conjunction with VDOT's unveiling of data portal
- Organize Smart Cities Salon
- Coordinate with other potential partners such as the Center for Innovative Technology in Herndon

