

# Moving Transit into the Future

NOVA Transportation Roundtable – March 10, 2021

Jennifer B. DeBruhl, AICP, PMP

Chief of Public Transportation

Department of Rail and Public Transportation



Virginia Department of Rail and Public Transportation



# Fairfax County-Dominion AV Electric Shuttle



# Transit AV Readiness

HOME ABOUT ▾ MEMBERS KEY PERSONNEL PROJECTS ▾ CENTER REPORTS PRESS PARTNERS ▾ WEBINAR SERIES ▾

## EVALUATION TOOLS FOR AUTOMATED SHUTTLE TRANSIT READINESS OF THE AREA

### Abstract

This project aims to develop a general evaluation protocol for transit readiness in the area for Automated shuttle implementation. Using the data gathered from the EasyMile shuttle implemented in Fairfax County, Virginia, the research team will perform risk assessments and safety analysis for the automated shuttle to understand the risks associated with the interactions between the automated shuttle and other road users, roadway infrastructure, and traffic conditions. Protocols for future deployment planning and evaluation of pilot programs will be developed by the research team based on the data analysis results. The project is related to transportation safety as it explores the risk associated with the automated shuttles, and the shuttles service serves as a last-mile solution for several areas in the United States and will likely expand in the near future. The automated shuttle's safety will increase significantly after the project as the traffic planners now have a deeper understanding of its safety limits and can plan its routes and deployment process accordingly.



### Project Highlights

Coming Soon!

### Final Report

Coming Soon!



# Other Innovative Solutions



Sources: DRPT  
<https://parking.vt.edu/alternative/Blacksburg-Transit.html>  
<https://ridewithvia.com/resources/articles/three-cities-redefining-paratransit-with-on-demand-technology/>

# Lessons Learned

---

- Innovation is still hard.....but it is worth it
- COVID has shown that we need to be adaptable and resilient
- Innovation is built on partnership
- Every project gets us closer to the goal