

Road to Relay and Beyond

Creating an Autonomous Vehicle (AV) Ecosystem
in Fairfax County, Virginia

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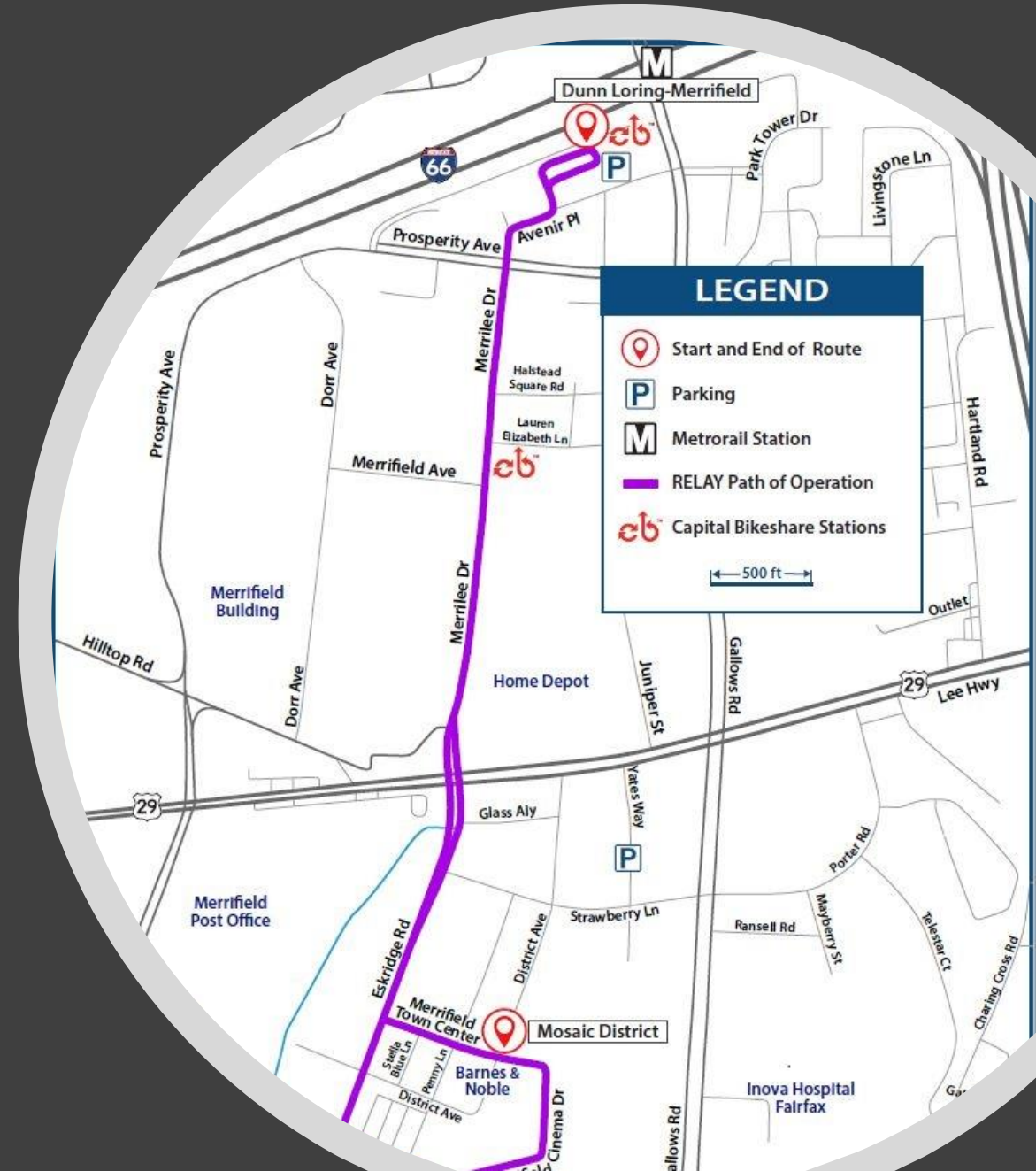
The Relay Use Case

- Learn about AV technology with a real-world pilot
- Create first-mile/last-mile connection
- Engage a diverse set of Fairfax County residents



Details on Relay

- Autonomous vehicle with safety steward onboard
- Zero-emissions Easymile EZ10 Gen3 vehicle
- Route operates between Dunn Loring Metro and Mosaic District
- Runs Monday – Thursday 10 am to 2 pm





Preparations for Project Launch

- Development of a site assessment report
- Identification of storage site and mechanic shop
- Installation of signage along route
- Configuration of transit signal prioritization (TSP)
- Extensive training and evaluation of safety steward – always onboard to ensure a safe operation
- Training sessions with local fire and police departments to respond to incidents involving Relay



“If there is technology that is going to improve the **quality of life** of our residents – through **cleaner air**, more **efficient transit**, and a **stronger economy** – we want to be on the forefront of that. In Fairfax County, we are **always improving** and exploring new opportunities for **innovation**.”

Jeffrey C. McKay, Chairman of the Fairfax County Board of Supervisors



Relay in Operation

- Interactions with other road users
- Technical troubleshooting
- Infrastructure and environmental limitations
- Data collection and public opinion
- NHTSA reporting



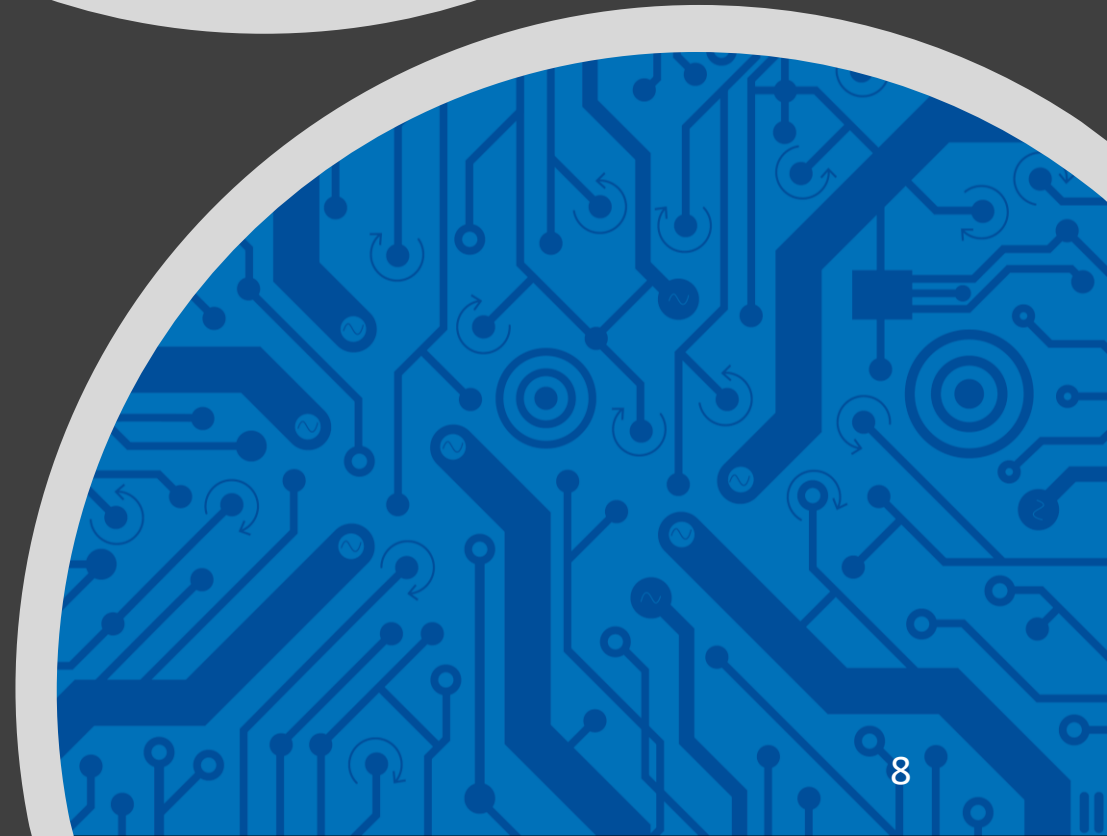


A Powerful Partnership



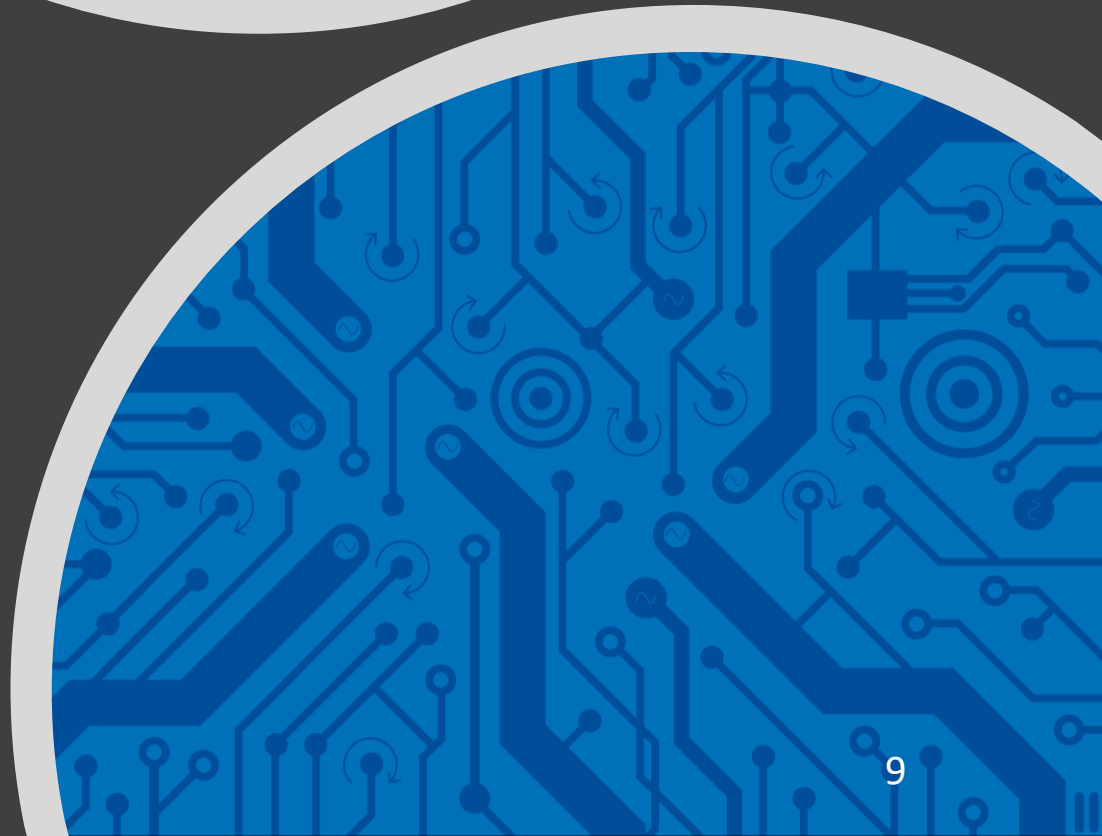
Impacts due to COVID-19

- Reduction in foot traffic at Mosaic and ridership from Dunn Loring Metro
- COVID-19 policies:
 - Increased cleaning
 - Mask mandate
 - Limit on passenger capacity



Next Steps for Relay

- Extending length of initial pilot period
- Exploring other routing ideas for additional visibility
- Discussing other ideas for expansion of pilot



Questions?

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[www.fairfaxcounty.gov/transportation/
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