

The logo for 'relay' is displayed in a white, italicized, lowercase font within a white rectangular border. The border has small circles at the top and bottom corners and arrows pointing inward from the top and bottom edges. The background is a blue pattern of circuit-like icons.

Connected and Autonomous Vehicle Demonstration Project

Presentation to Economic Advisory Commission
October 13, 2020

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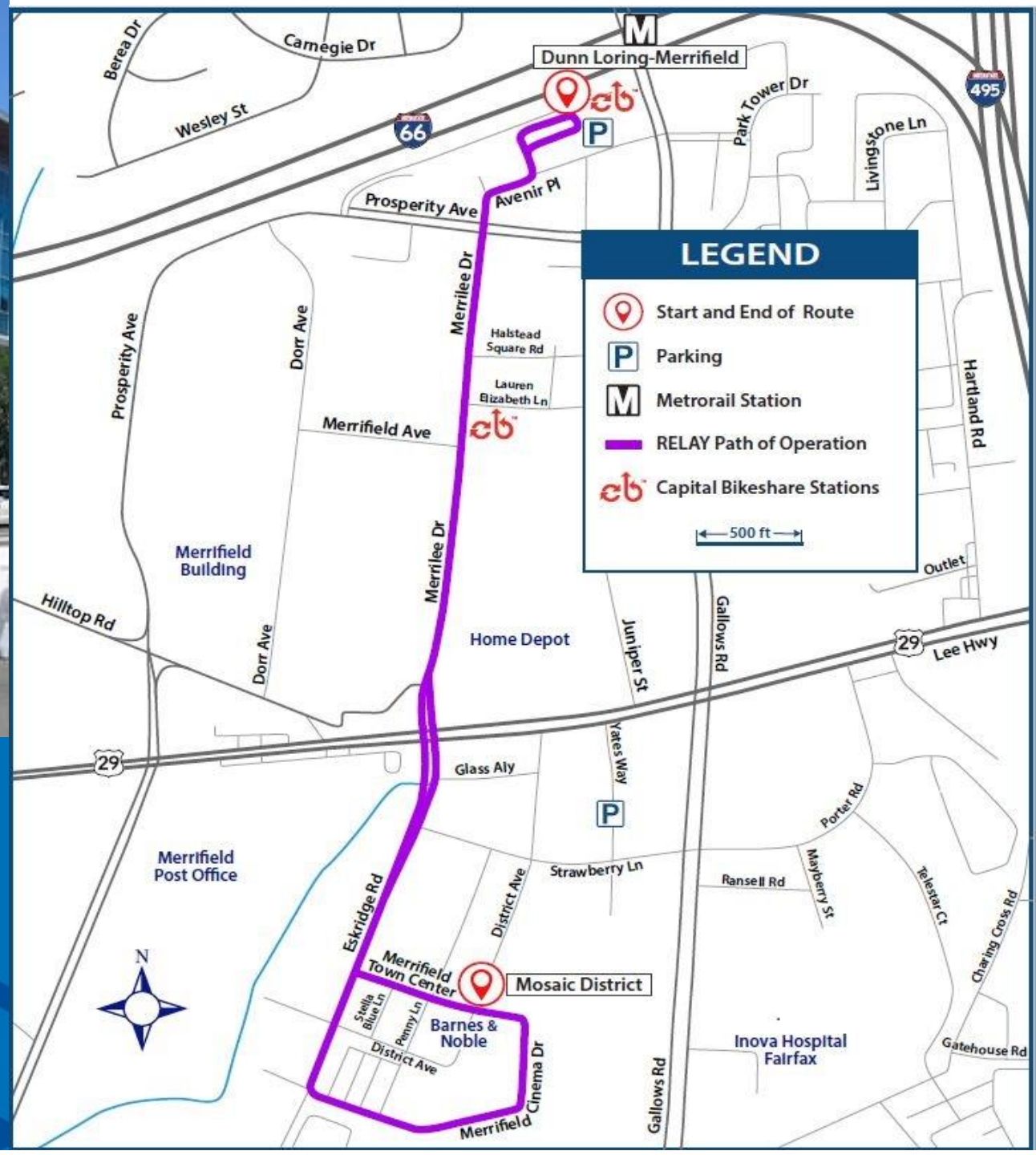
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Project Partners



www.fairfaxcounty.gov/transportation/autonomous-shuttle-pilot



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Project goals

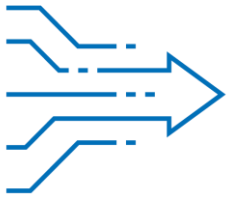
- Explore & test innovative technologies
- Understand public perception
- Utilize and test the ability of the vehicle to communicate with existing infrastructure technology
- Develop a project structure across public and private entities
- Develop a project structure from a government, private sector, financial and legal perspective
- Build key relationships
- Expand the autonomous test network in Fairfax
- Position Fairfax as a leader in smart community initiatives



Fairfax Smart Community Goals

- Leverage existing business sectors
- Spark business growth
- Nurture innovation ecosystem
- Strengthen partnerships with educational institutions
- Use technology to more effectively and efficiently provide services to residents
- Evaluate the infrastructure framework for deploying smart technology
- Partner with Community and Business on Pilot Projects
- Continue to develop partnerships with state, educational institutions, business community, public utilities

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Innovation: Automation is the future of transportation. Riders can be among the first to experience autonomous electric vehicle technology.



Convenience: The shuttle will serve as a “first and last mile” connection between the Dunn Loring Metro station and the Mosaic district, providing a convenient transit option for shoppers, visitors, residents and businesses.

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Safety: Human error causes 94 percent of car crashes, according to research by the National Highway Transportation Safety Administration. As we move toward an autonomous transportation future, autonomous vehicles can reduce traffic accidents and make the roads safer.



Reduced Emissions: Riders are reducing their environmental impact by choosing public transportation and reducing the number of vehicles on the road. By using a zero-emissions electric shuttle, riders will further reduce air pollution.

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Questions