



# Fairfax County Capital Bikeshare Update

Board Transportation Committee

May 14, 2019

Chris Wells

Bicycle & Pedestrian Programs  
Fairfax County Department of  
Transportation

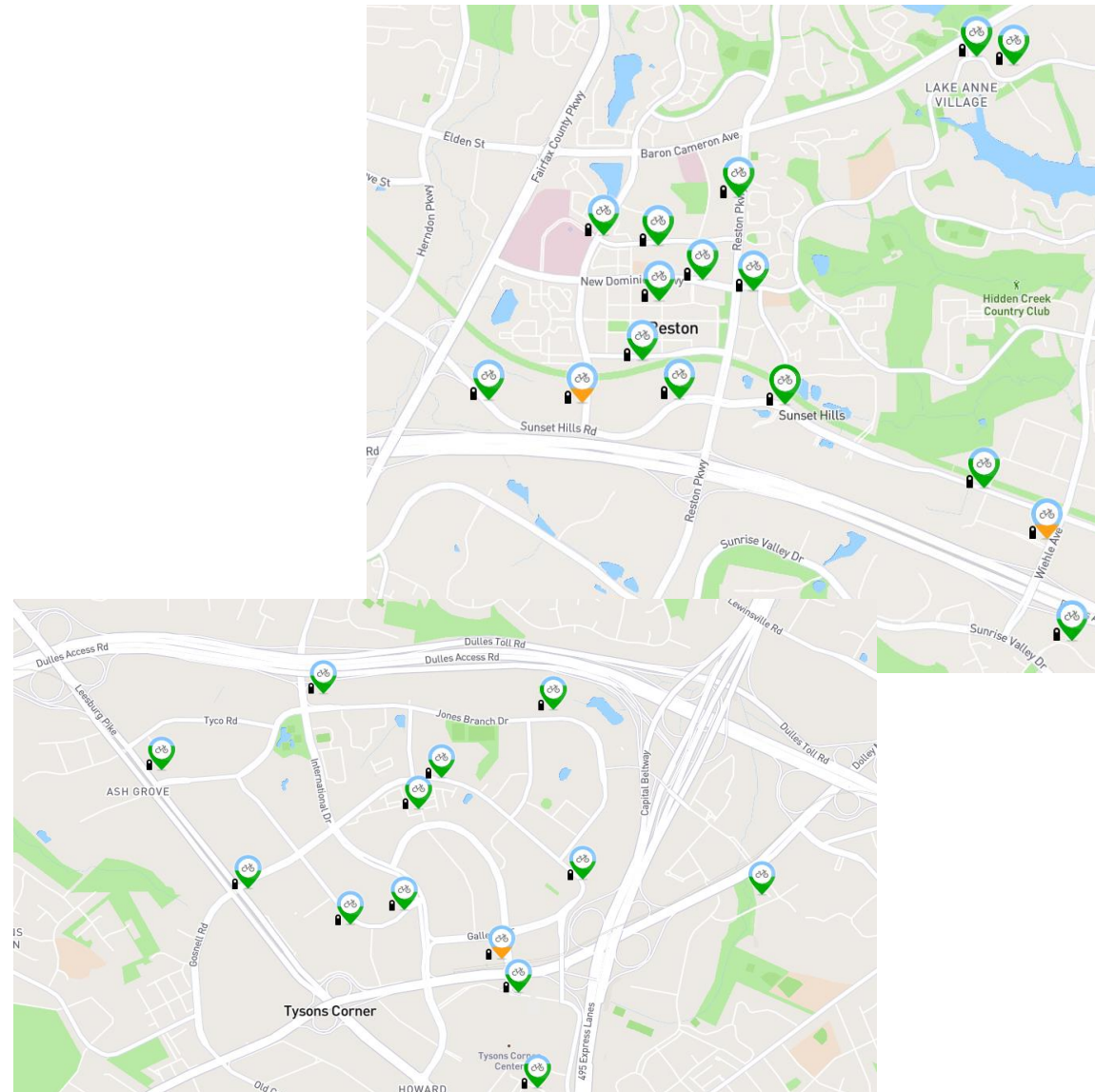
Nicole Wynands

Bicycle Program Manager  
Fairfax County Department of  
Transportation

# Current Bikeshare System Results / Highlights

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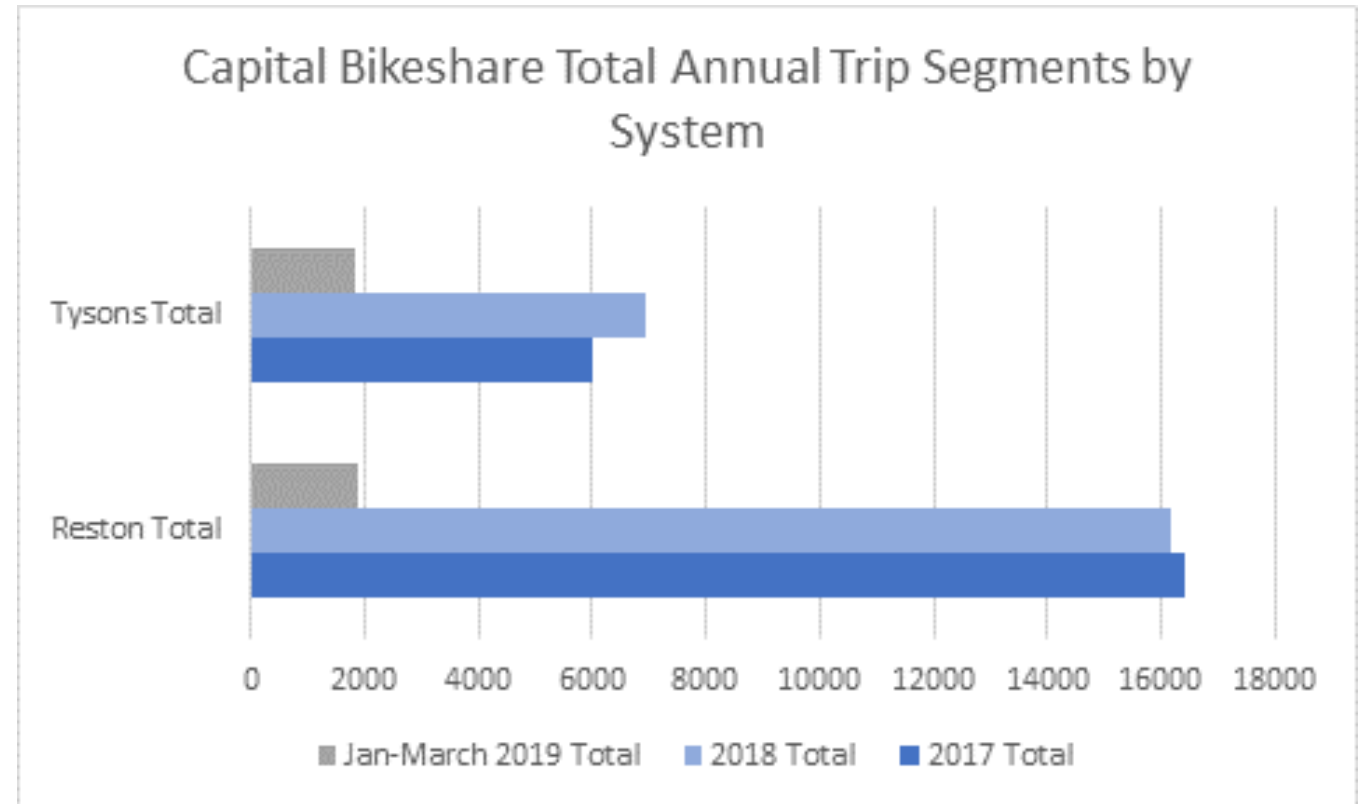
- Capital Bikeshare launched on October 21, 2016 with 17 stations (nine in Reston and eight in Tysons)
- Today, there are 30 stations (16 in Reston, 13 in Tysons and one at West Falls Church Metrorail Station)



# Current Bikeshare System Results / Highlights

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- 23,129 trip segments were recorded in Fairfax County in 2018
- Bikeshare use in Fairfax County has increased by 3.3% since 2017
- Strong growth in local trips not to/from Metro in Reston



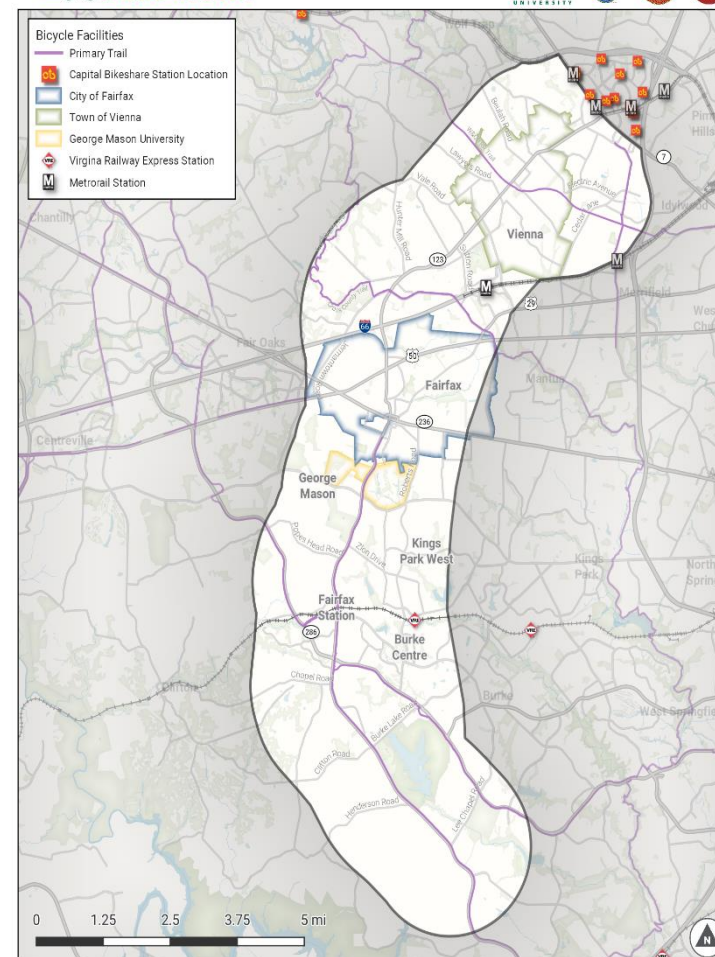
# Fairfax-Mason-Vienna Bikeshare Feasibility Study

- Collaborative effort by the City of Fairfax, Town of Vienna, County of Fairfax, and George Mason University
- Scope: To determine the feasibility of a bikeshare program in the Route 123 Corridor between Tysons and Burke
- Consultant: Toole Design
- Completed: March 2019

## Study Area

VIENNA-FAIRFAX CITY-MASON-BURKE BIKESHARE

FEASIBILITY STUDY



# Fairfax-Mason-Vienna Bikeshare Feasibility Study

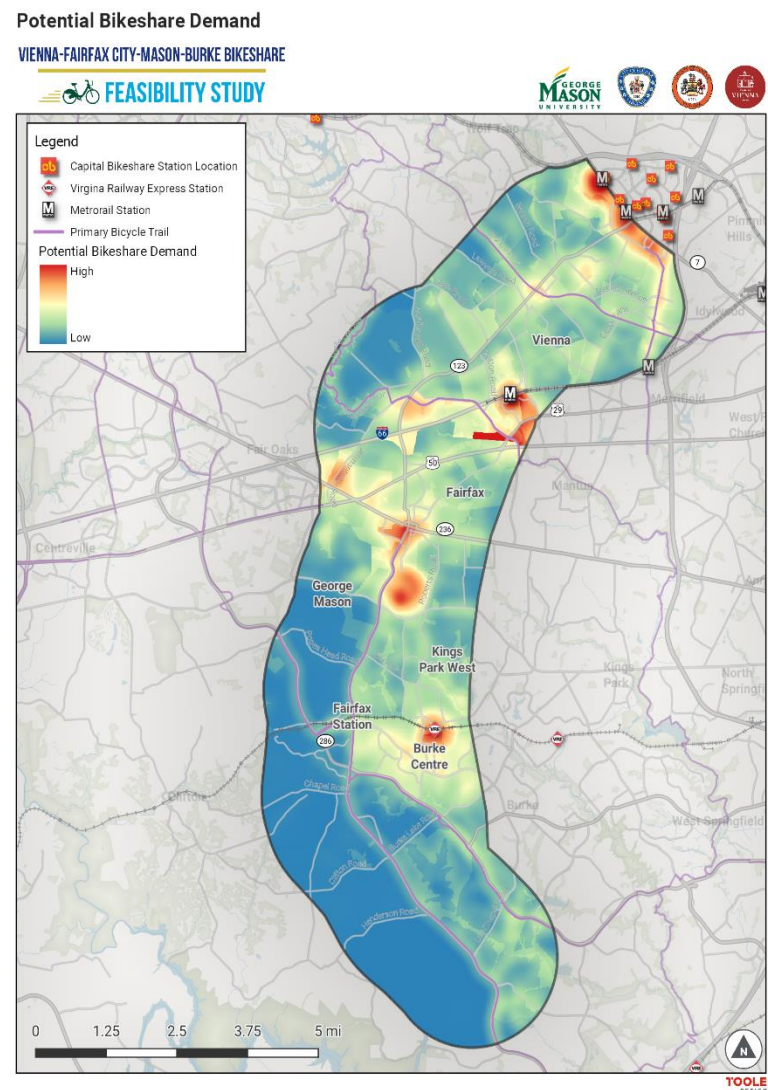
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- Study considered docked bikeshare, dockless bikeshare, e-bikes, and e-scooters



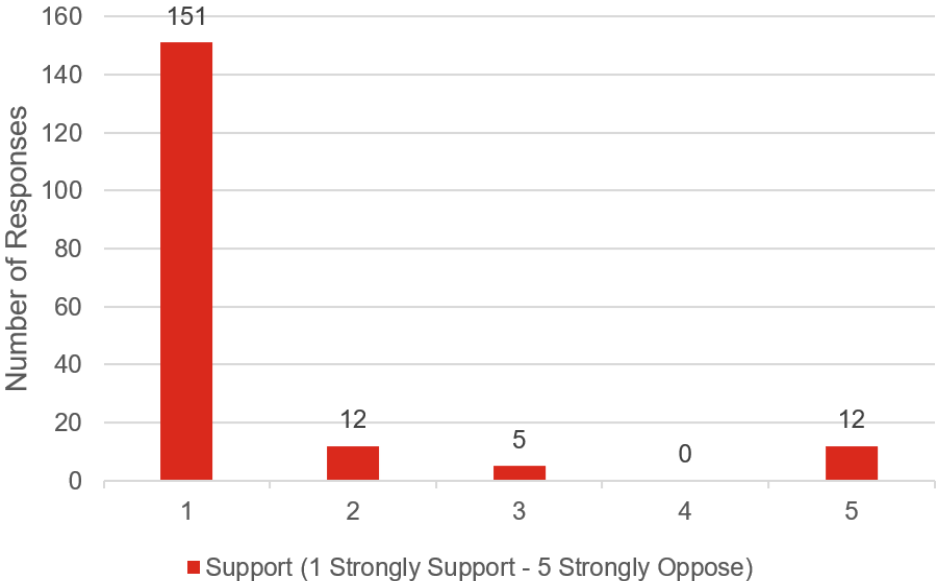
# Fairfax-Mason-Vienna Bikeshare Feasibility Study

- Suitability analysis was performed to determine where bikeshare would be most successful
- Factors include:
  - community feedback
  - population and employment density
  - community and visitor attractions
  - transit and regional transportation
  - existing bike infrastructure
  - factors that reflect equity
  - topography

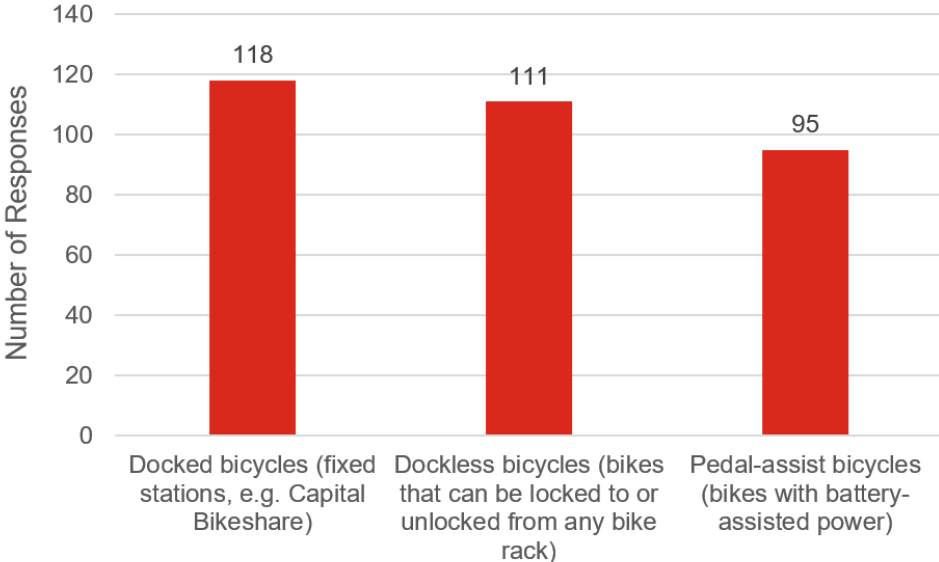


# Fairfax-Mason-Vienna Bikeshare Feasibility Study

**Support for Bikeshare in the Study Area (n=180, single response)**



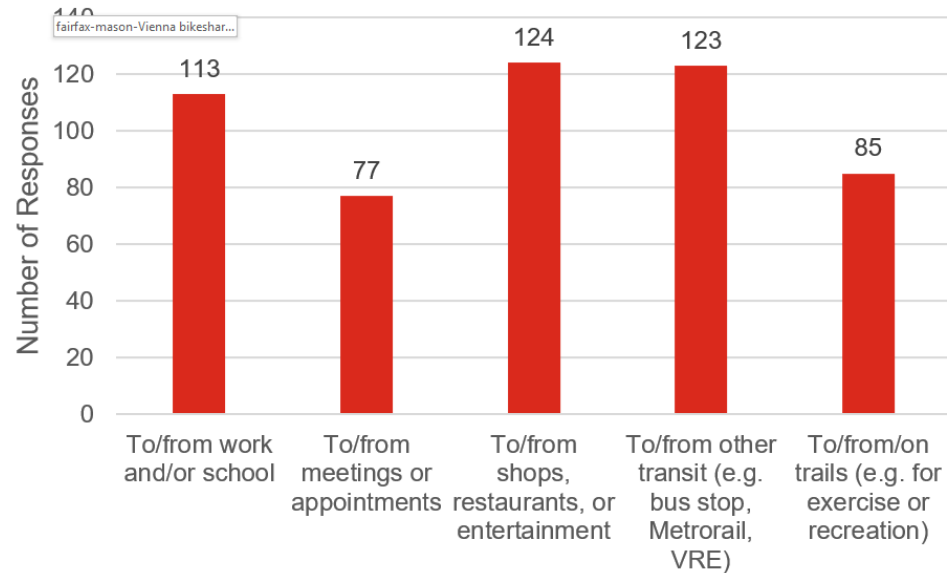
**Bikeshare Technology Preference (n=324, multiple responses)**



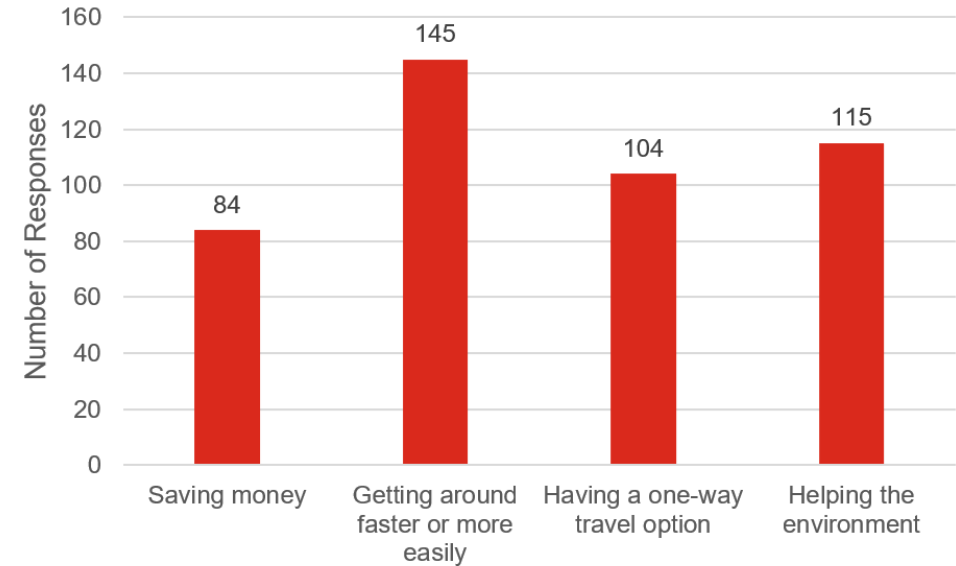
# Fairfax-Mason-Vienna Bikeshare Feasibility Study

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**Desired Trip Types (n=522, multiple responses)**



**Bikeshare Trip Motivation (n=448, multiple responses)**





# Fairfax-Mason-Vienna Bikeshare Feasibility Study

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## Recommendations:

- Expand Capital Bikeshare system into most of the study area and consider the establishment of dockless bikeshare at future date
- Dockless bikeshare could provide a better opportunity to cover lower density areas with more dispersed destinations
- Longer distances between destinations and topography bring a strong desire to electrify the fleet with e-bikes and e-scooters.
- Don't expand to Burke Centre at this time

# Fairfax-Mason-Vienna Bikeshare Feasibility Study

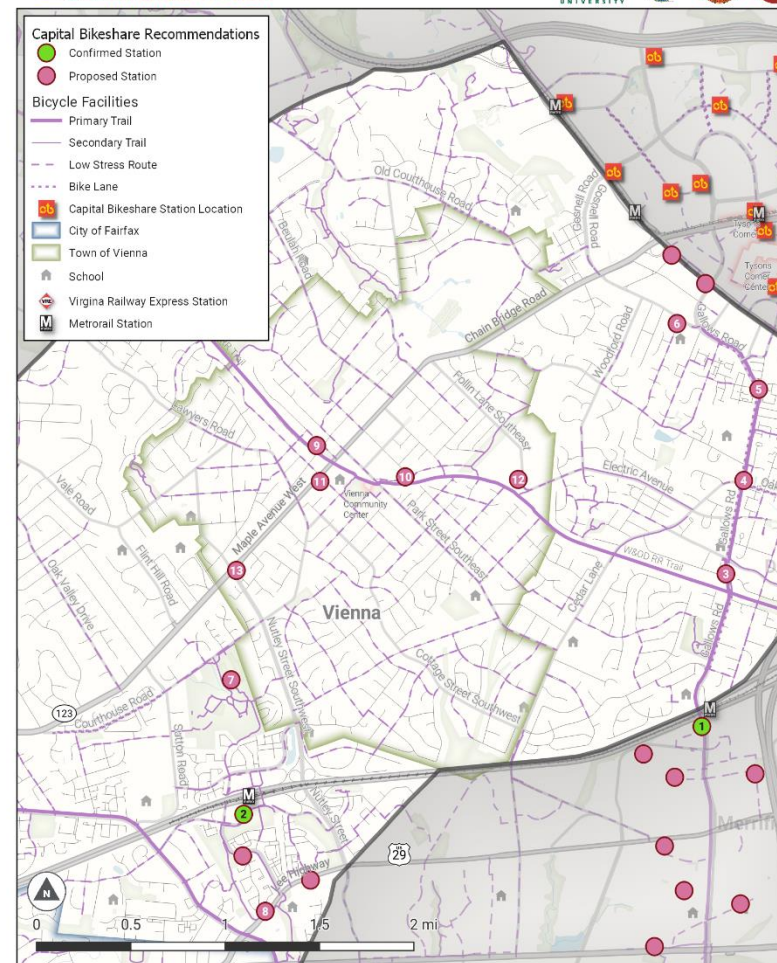
## Fairfax County recommendations:

- Dunn Loring – Merrifield Metrorail Station
- Vienna/Fairfax – GMU Metrorail Station
- Gallows Road Corridor
- Nottoway Park
- Circle Towers

### Capital Bikeshare Implementation Recommendations: Town of Vienna

VIENNA-FAIRFAX CITY-MASON-BURKE BIKESHARE

FEASIBILITY STUDY



# Fairfax-Mason-Vienna Bikeshare Feasibility Study

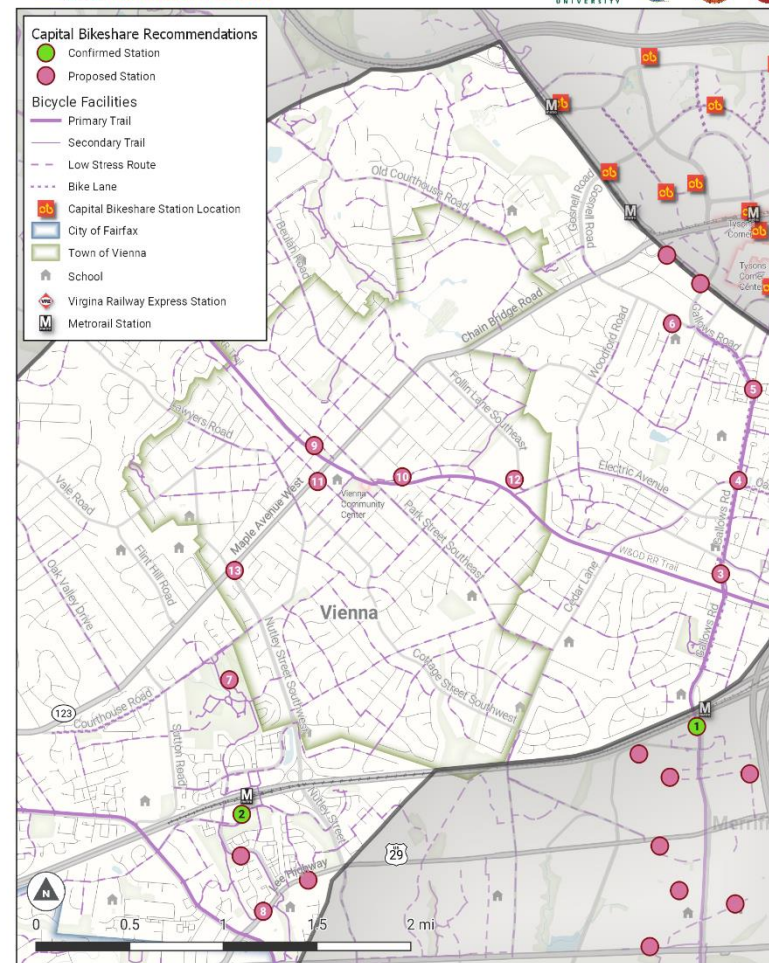
## Town of Vienna recommendations:

- Town Green
- Community Center
- Maple Avenue Shopping Center
- Navy Federal Credit Union
- 444 Maple Ave W (redevelopment project)

### Capital Bikeshare Implementation Recommendations: Town of Vienna

VIENNA-FAIRFAX CITY-MASON-BURKE BIKESHARE

FEASIBILITY STUDY



# Fairfax-Mason-Vienna Bikeshare Feasibility Study

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## Next Steps:

- Town of Vienna, City of Fairfax and George Mason University seeking funding to purchase Capital Bikeshare Stations
- Fairfax County is in the process of expanding Capital Bikeshare in study area with existing funding from I-66 Commuter Choice Program and federal Transportation Alternatives Program
  - South of Vienna/Fairfax-GMU Metrorail Station
  - Along Gallows Road between I-66 and Tysons

# City of Falls Church Capital Bikeshare Expansion

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- Launch: May 13, 2019
- FCDOT installed Capital Bikeshare station at West Falls Church Metrorail Station on May 8, 2019
- City of Falls Church launches Capital Bikeshare system with 11 stations on May 13, 2019



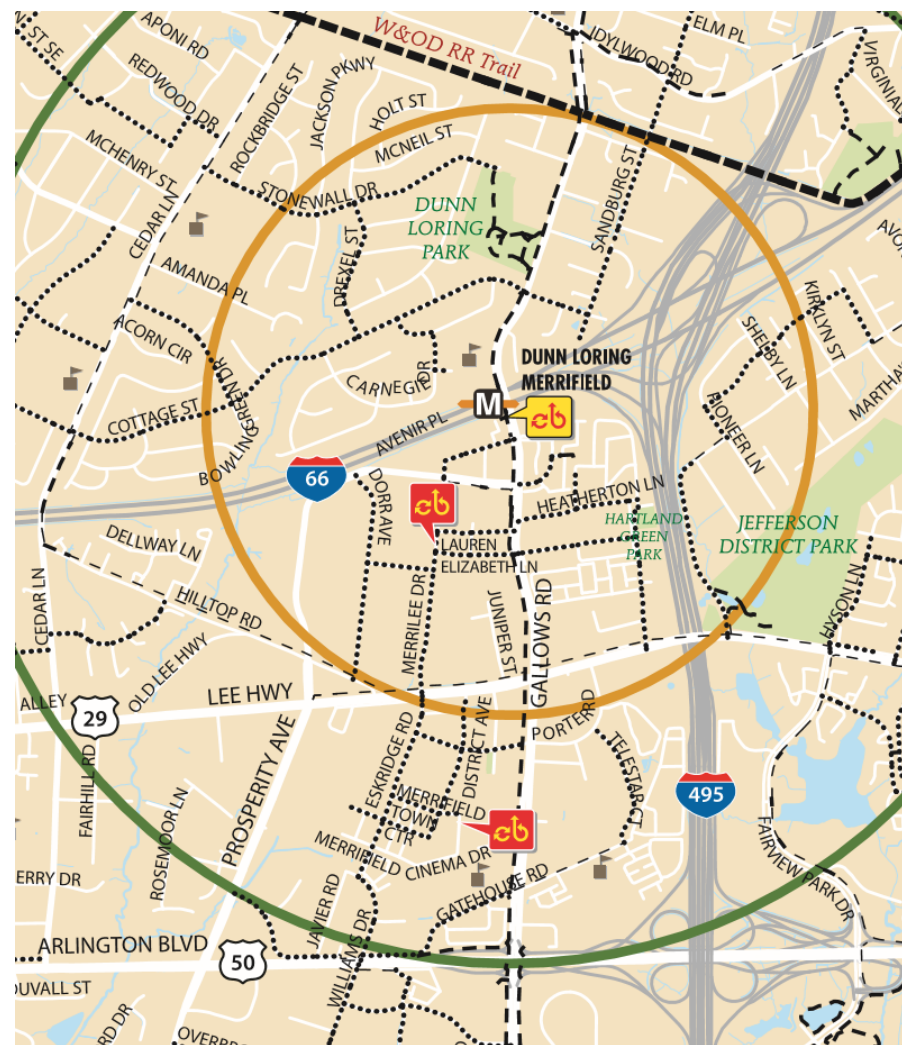
# Tysons Capital Bikeshare Expansion

- FCDOT installed Capital Bikeshare station at McLean Metrorail Station in December 2018 with Jones Branch Connector Bridge access to network
- Next Station: May 17, 2019 at Hilton Headquarters, Jones Branch Drive at Scotts Crossing Road



# Merrifield Capital Bikeshare Expansion

- Launch: May 22, 2019
- Station Locations:
  - Dunn Loring-Merrifield Metrorail Station
  - Halstead Square Dunn Loring Metro Apartments - Merrilee Drive at Lauren Elizabeth Lane
  - Mosaic District - Merrifield Cinema Drive at Merrifield Town Center



# Future Vienna South Capital Bikeshare Expansion

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- Funded by I-66 Commuter Choice Program
- Estimated launch: Spring 2020
- Four stations
- Confirmed location: Vienna/Fairfax-GMU Metrorail Station (south entrance)
- Proposed locations: Vaden Drive, Lee Highway corridor



# Future Merrifield Capital Bikeshare Expansion

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- Funded by I-66 Commuter Choice Program
- Estimate launch: Spring 2020
- Six stations
- Confirmed location: Eskridge Road at Lee Highway (Proffer)
- Proposed locations: Dorr Avenue, Gatehouse Road corridor, Hartland Road and Fairfax Hospital campus

# Future Reston Capital Bikeshare Expansion

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- Funded by federal Transportation Alternatives Program
- Estimated launch: Spring 2020
- 10 stations
- Proposed locations:
  - Baron Cameron Avenue
  - North Shore Drive corridor
  - South Lakes Drive corridor
  - Glade Drive corridor
  - Reston Community Center (Hunters Woods)

# Future Providence Capital Bikeshare Expansion

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- Funded by federal Transportation Alternatives Program
- Estimated launch: Summer 2020
- 17 stations
- Proposed locations:
  - Westgate/Magarity Road/Old Meadow Road
  - Route 7 corridor between Tysons and City of Falls Church
  - Gallows Road corridor between Tysons and Merrifield
  - Route 29 corridor between Merrifield and the City of Falls Church

# Next Steps

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- Securing private, local and federal funding for additional expansions
  - Richmond Highway Corridor/Huntington/Mount Vernon Trail
  - Springfield
  - Reston and Herndon Transit Station Areas
  - McLean
  - Fair Oaks – Fairfax Corner – Government Center
  - Seven Corners
  - Bailey's Crossroads
  - Annandale

# Questions