Fairfax County Capital Bikeshare Update

Board Transportation Committee
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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

• 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

• 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
Fairfax-Mason-Vienna Bikeshare Feasibility Study

• 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)

<table>
<thead>
<tr>
<th>Number of Responses</th>
<th>Support (1 Strongly Support - 5 Strongly Oppose)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>12</td>
</tr>
</tbody>
</table>

Bikeshare Technology Preference (n=324, multiple responses)

<table>
<thead>
<tr>
<th>Number of Responses</th>
<th>Docked bicycles (fixed stations, e.g. Capital Bikeshare)</th>
<th>Dockless bicycles (bikes that can be locked to or unlocked from any bike rack)</th>
<th>Pedal-assist bicycles (bikes with battery-assisted power)</th>
</tr>
</thead>
<tbody>
<tr>
<td>118</td>
<td>111</td>
<td>95</td>
<td></td>
</tr>
</tbody>
</table>
### Fairfax-Mason-Vienna Bikeshare Feasibility Study

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

<table>
<thead>
<tr>
<th>Trip Type</th>
<th>Number of Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>To/from work and/or school</td>
<td>113</td>
</tr>
<tr>
<td>To/from meetings or appointments</td>
<td>77</td>
</tr>
<tr>
<td>To/from shops, restaurants, or entertainment</td>
<td>124</td>
</tr>
<tr>
<td>To/from other transit (e.g. bus stop, Metrorail, VRE)</td>
<td>123</td>
</tr>
<tr>
<td>To/from/on trails (e.g. for exercise or recreation)</td>
<td>85</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Motivation</th>
<th>Number of Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saving money</td>
<td>84</td>
</tr>
<tr>
<td>Getting around faster or more easily</td>
<td>145</td>
</tr>
<tr>
<td>Having a one-way travel option</td>
<td>104</td>
</tr>
<tr>
<td>Helping the environment</td>
<td>115</td>
</tr>
</tbody>
</table>
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 County recommendations:
• Dunn Loring – Merrifield Metrorail Station
• Vienna/Fairfax – GMU Metrorail Station
• Gallows Road Corridor
• Nottoway Park
• Circle Towers
Town of Vienna recommendations:
• Town Green
• Community Center
• Maple Avenue Shopping Center
• Navy Federal Credit Union
• 444 Maple Ave W (redevelopment project)
Fairfax-Mason-Vienna Bikeshare Feasibility Study

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

• 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

• 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

• 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

• 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

• 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

• 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