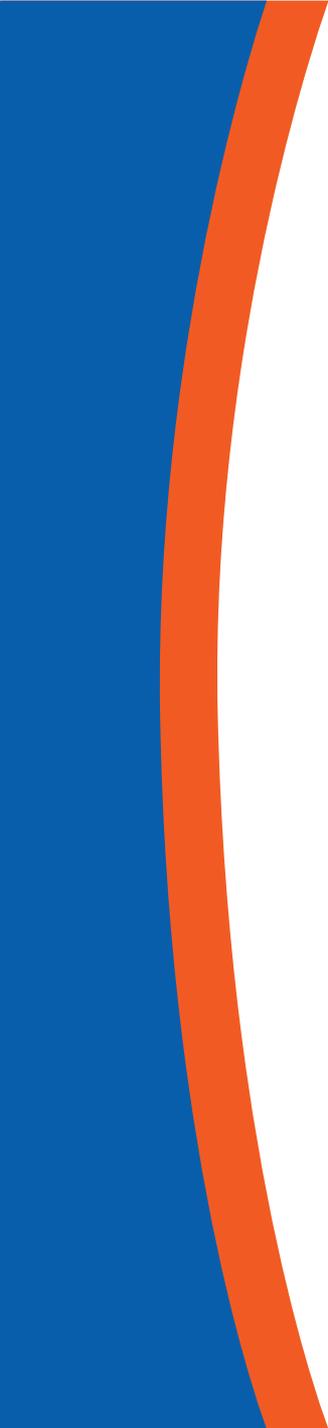




Virginia Department of Transportation



Northern Virginia Regional Bikeway and Trail Network Study *Update*

Public Information Meeting

November 18, 2015

MEETING AGENDA

Project Recap

Rating Bicycle Comfort

Public Input Summary

2015 Reg. Network

Next Steps



Project Recap



Why Are we Conducting this Study?



MEASURE PROGRESS

Did we build out the network as planned?



UPDATE NETWORK

What is new / different from what was recommended in the 2004 study?



GAUGE PERFORMANCE

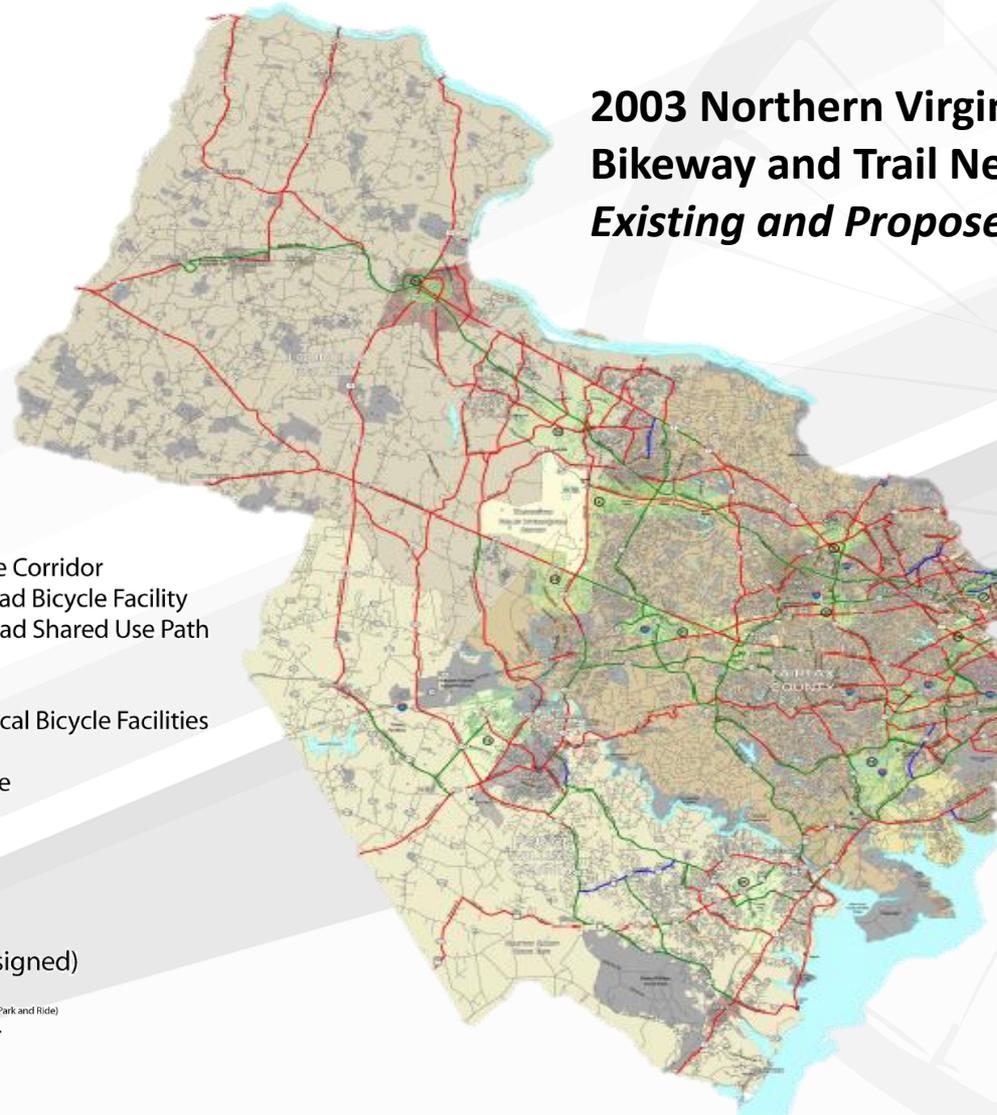
Provide a baseline on the quality of the current network

2003 Existing and Proposed Network

2003 Northern Virginia Regional Bikeway and Trail Network: *Existing and Proposed*

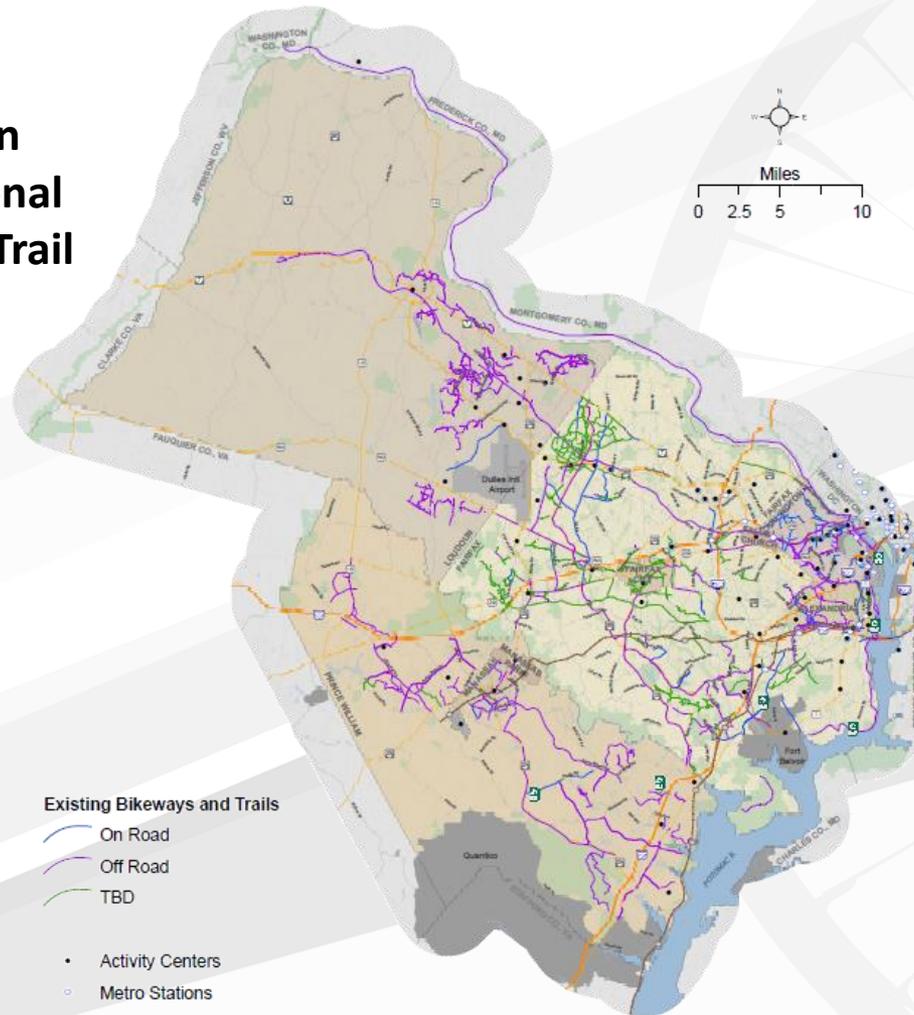
Legend

-  Proposed Regional Bicycle Corridor
-  Existing or Funded On-Road Bicycle Facility
-  Existing or Funded Off-Road Shared Use Path
-  Regional Roads
-  Other Notable Existing Local Bicycle Facilities
-  Parkland and Green Space
-  Metrorail
-  Virginia Railway Express
-  Future Rail Station
-  Marc
-  Interstate Bike Route 1 (signed)
-  Activity Destination
(Park, School, Shopping Center, Museum, Community/rec Center, Park and Ride)
-  Regional Activity Cluster
(From Metropolitan Washington Council of Governments)
-  Major River Crossing



Draft Existing 2015 Network (with LDM*)

Draft Existing 2015 Northern Virginia Regional Bikeway and Trail Network



Schools



Colleges/Universities



Parks



Metro Stations



VRE Stations



Jobs

*LDM = Latent Demand Method



Rating Bicycle Comfort



BLOS Components: Motor Vehicles

Volume and Number of Lanes



Vehicle Speed



Percent Trucks



BLOS Components: Roadways

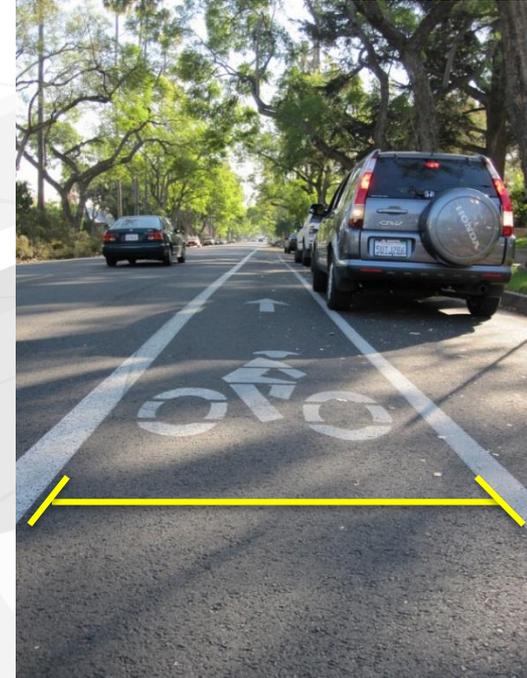
Pavement Condition



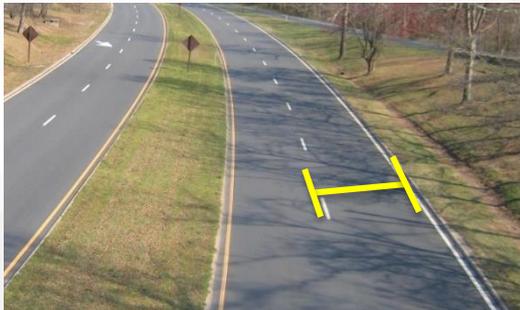
Percent Occupied Parking



Shoulder or Bike Lane Width



Width of Outside Lane



Public Input



Web Survey (MetroQuest)

Northern Virginia Regional Bikeway and Trail Network Study

? Progress 

Join Us! Help us finalize a regional network of bicycle and trail routes.

WELCOME

The Northern Virginia Regional Bikeway and Trail Network Study. The Virginia Department of Transportation is updating its regional network of bicycle routes and trails to measure the progress made since 2004 in building the network. Your participation in this survey is important and will help us to plan our transportation system.

[Click to begin](#)

REGIONAL NETWORK

LEVEL OF COMFORT

MAP YOUR COMFORT

ABOUT YOU



Total Responses

3,200 PEOPLE VIEWED THE SURVEY



**viewed
survey**

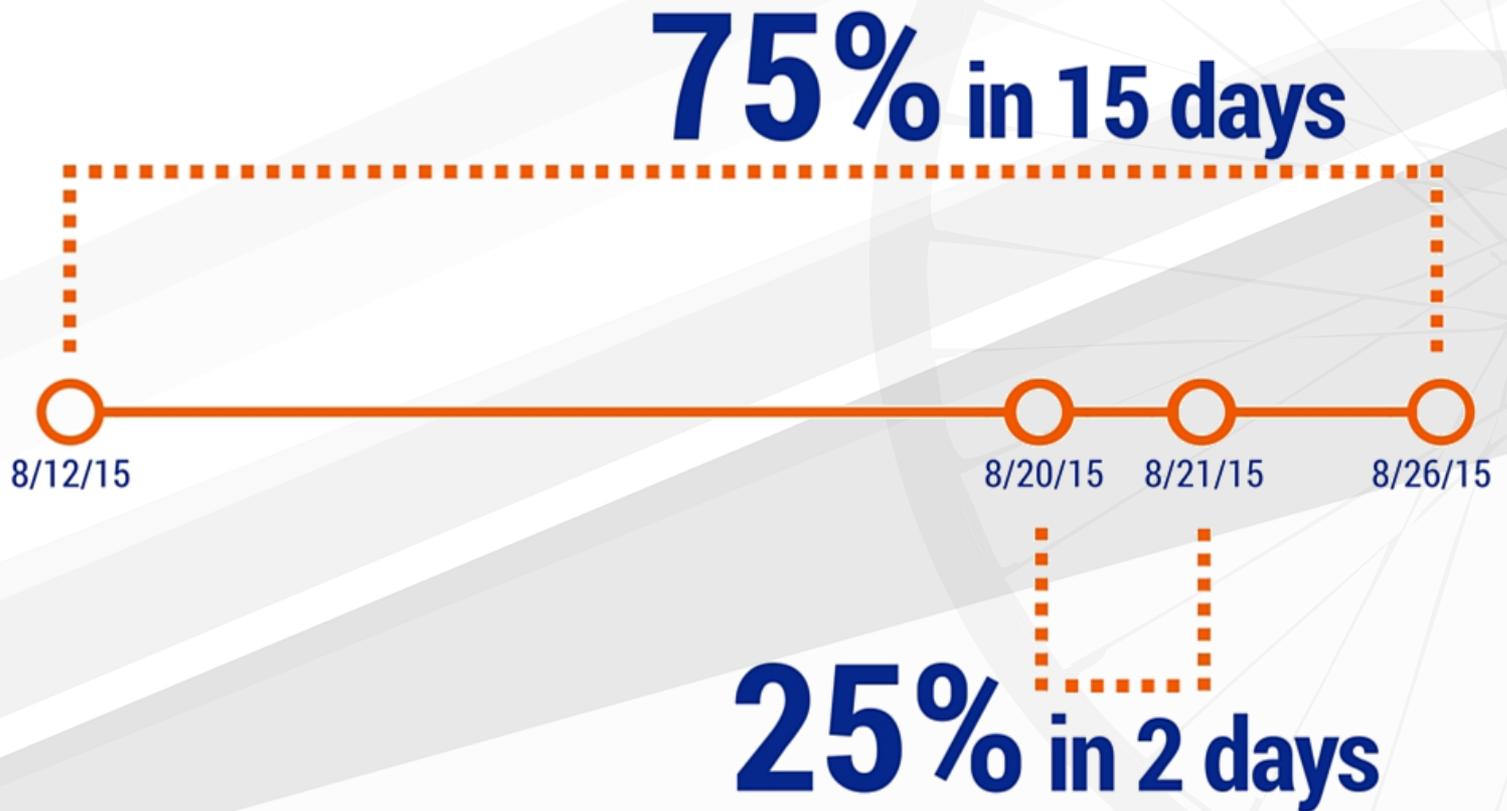


**40%
completed
survey**

 = 320 people

Total Responses

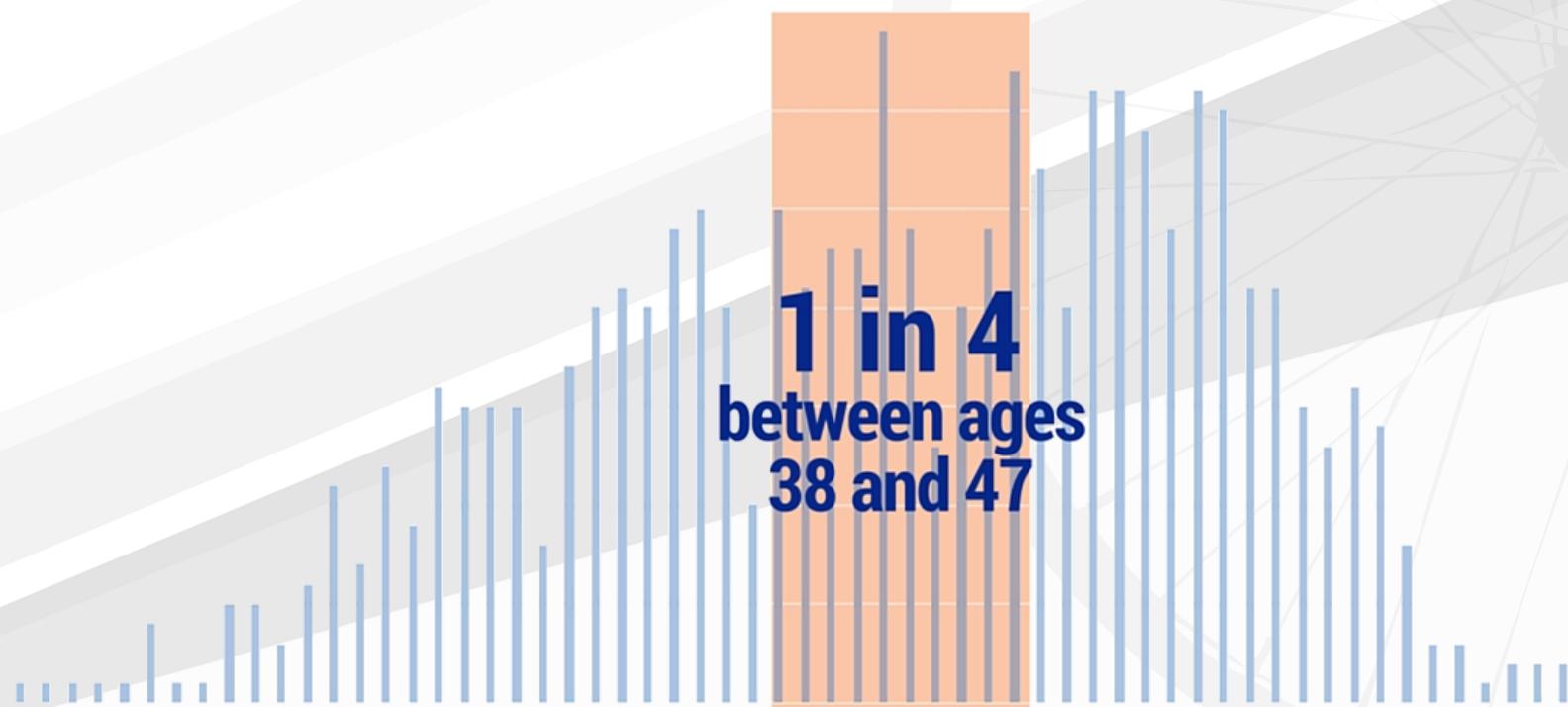
OF THE 1,269 PEOPLE WHO TOOK THE SURVEY...



Demographics

OF THOSE WHO SHARED...

43 was the average age



1 in 4
between ages
38 and 47

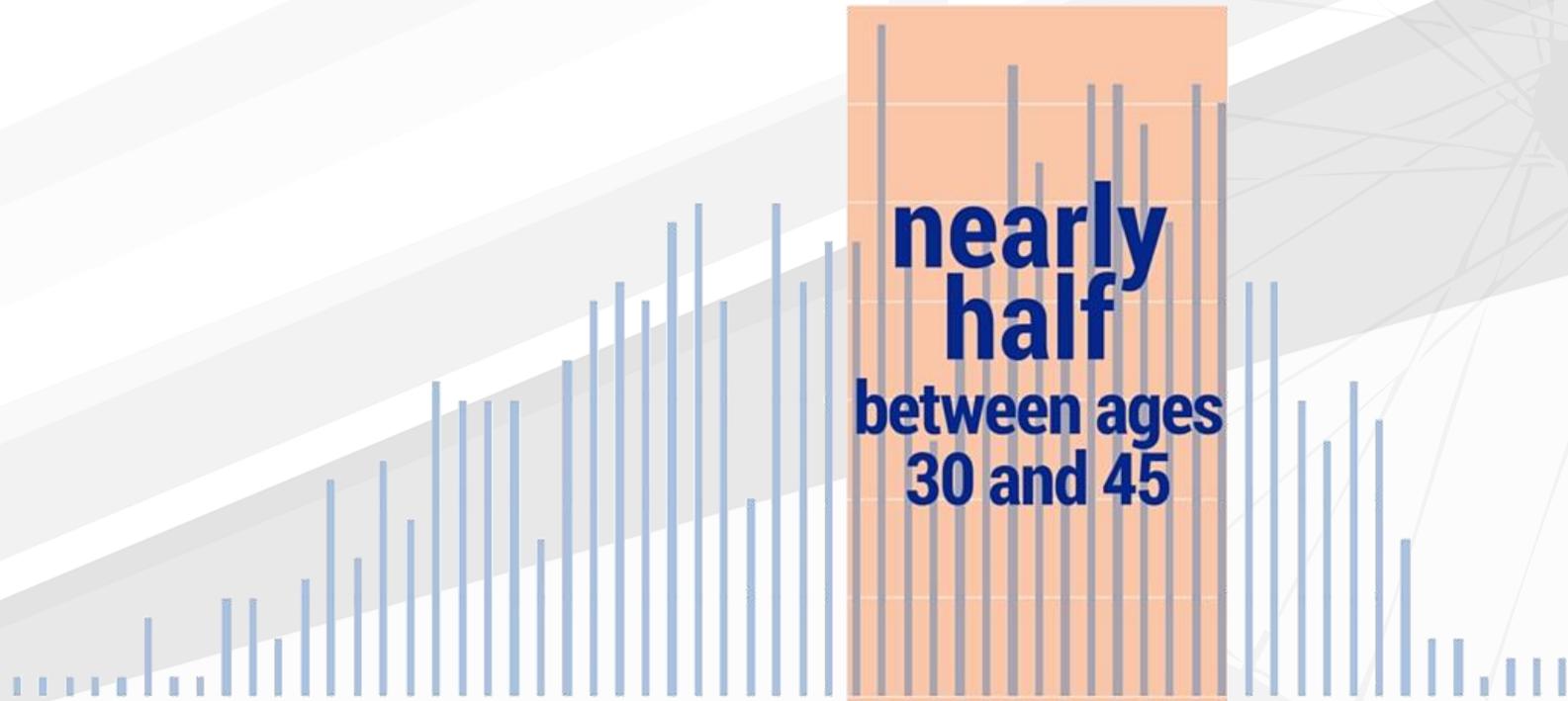
The chart displays a distribution of ages represented by vertical bars. A central bar, colored orange, is significantly taller than the others, indicating a concentration of respondents in that age group. The text '1 in 4 between ages 38 and 47' is overlaid on this bar. The background features a large, faint image of a bicycle wheel.



Demographics

OF THOSE WHO SHARED...

43 was the average age



Demographics

OF THE 1,269 SURVEY PARTICIPANTS...



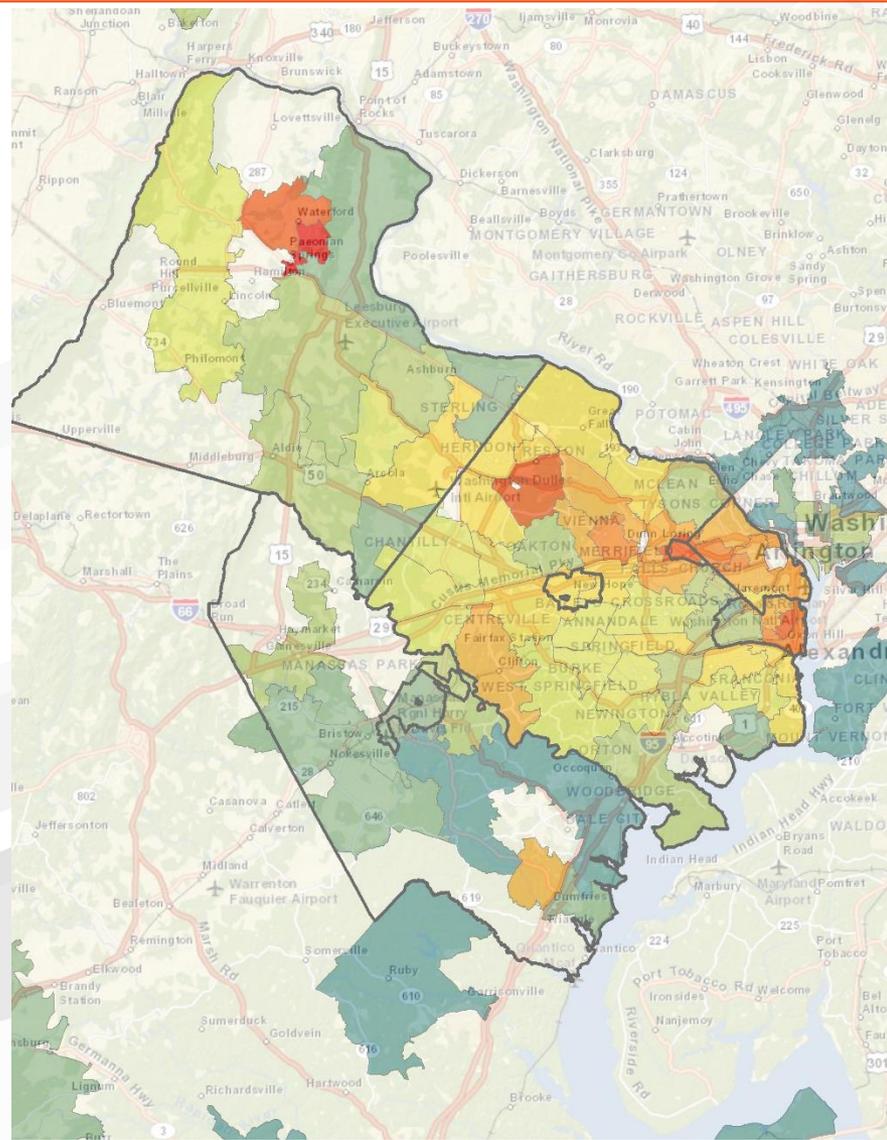
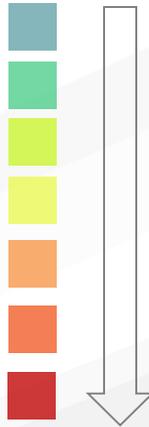
32%



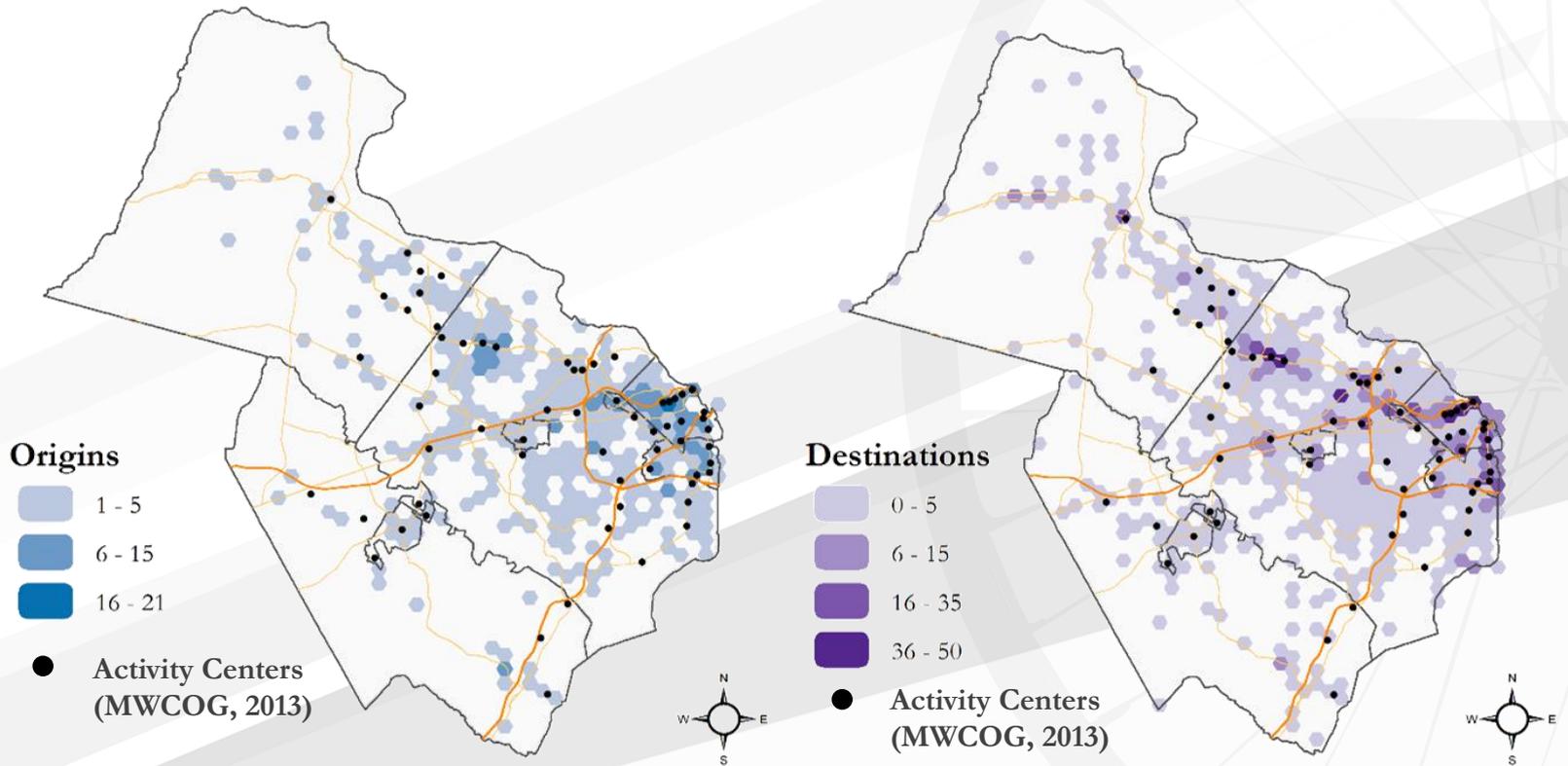
68%

Responses by Zip (Normalized by Pop.)

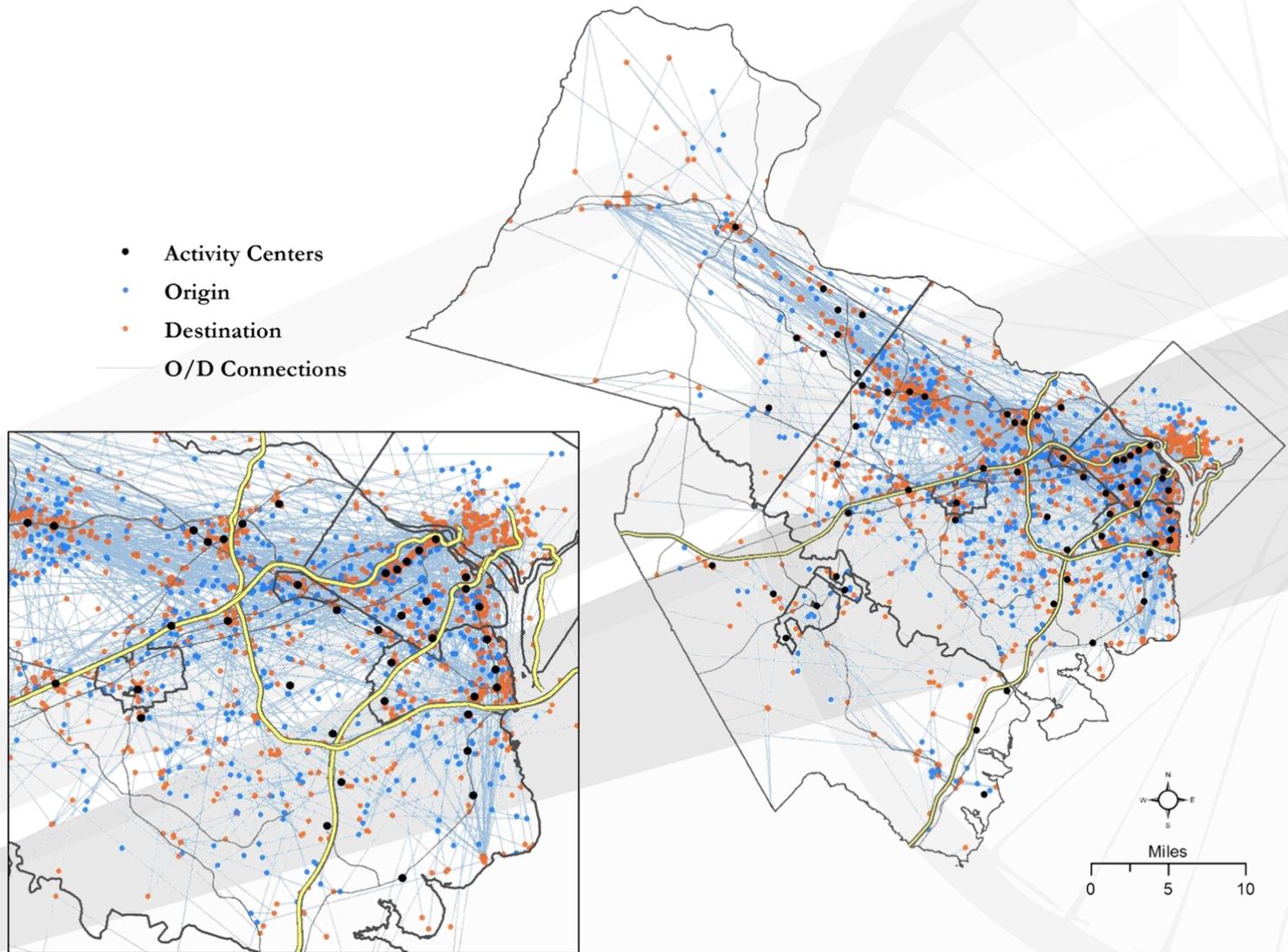
MetroQuest Input /
Population



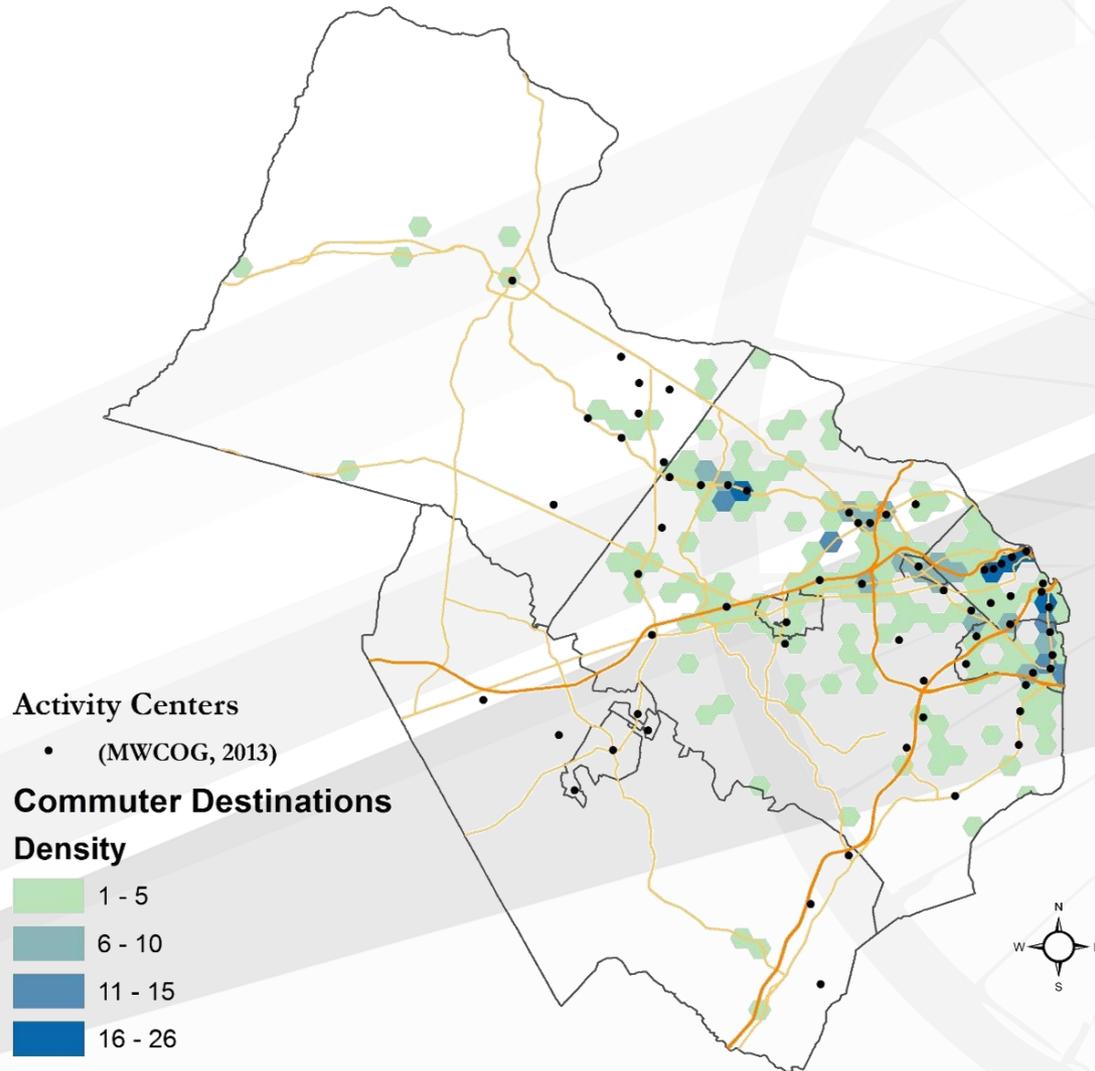
Respondents' Origins and Destinations



Respondents' Origins and Destinations



Respondents' Commuter Destinations



Reasons for Bicycling

Top reason for bicycling...

- 53% Recreation or exercise
- 37% Commute to work or school
- 10% Other trips



Crowd-sourced input



Bicycle Level of Service (BLOS)



Advantages

- Data driven
- Good measure for on-road conditions
- Reproducible
- Editable



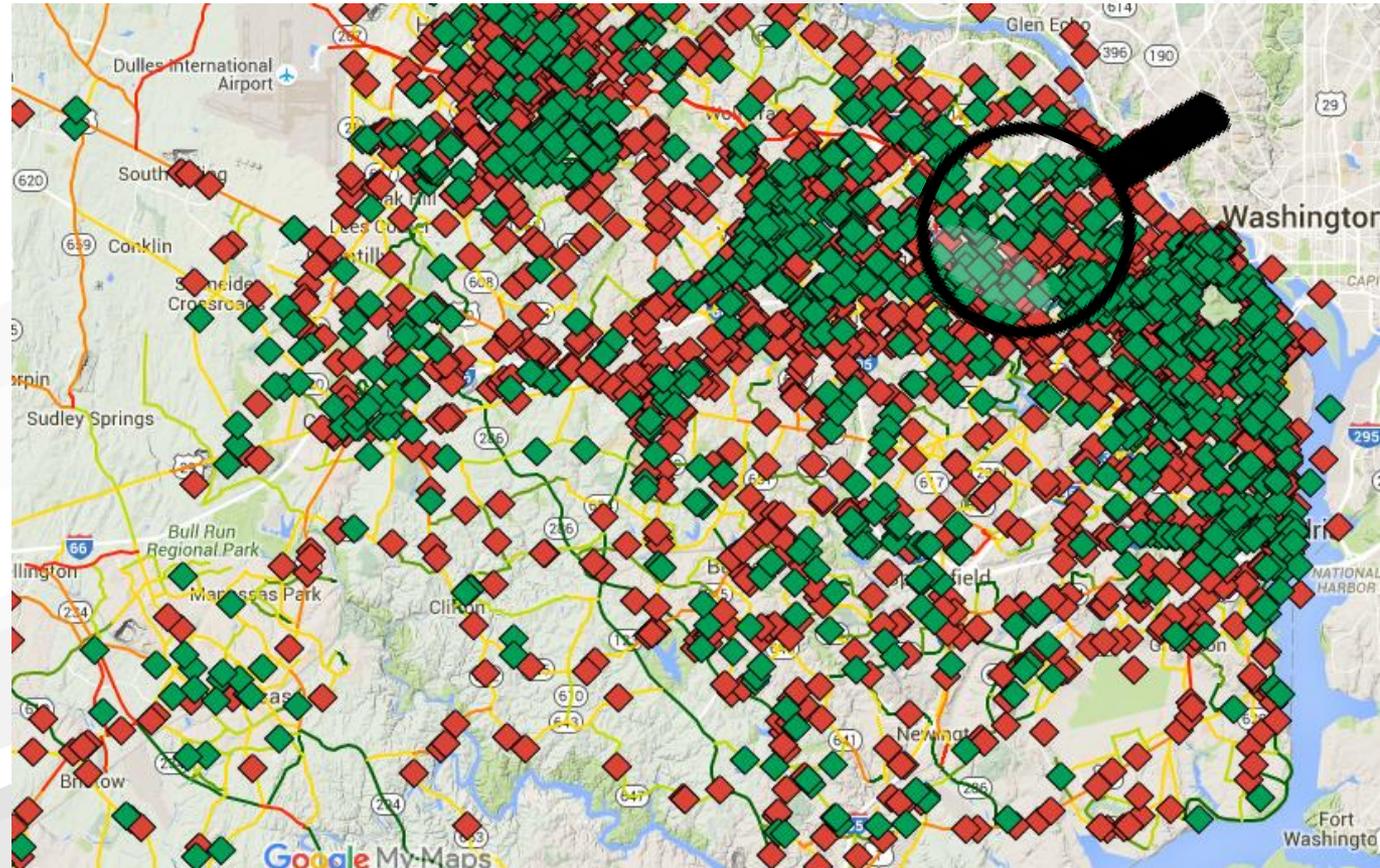
Disadvantages

- Data intensive
- Not useful for intersections
- Does not typically account for off-road facilities
- Does not distinguish between shoulders and bike lanes

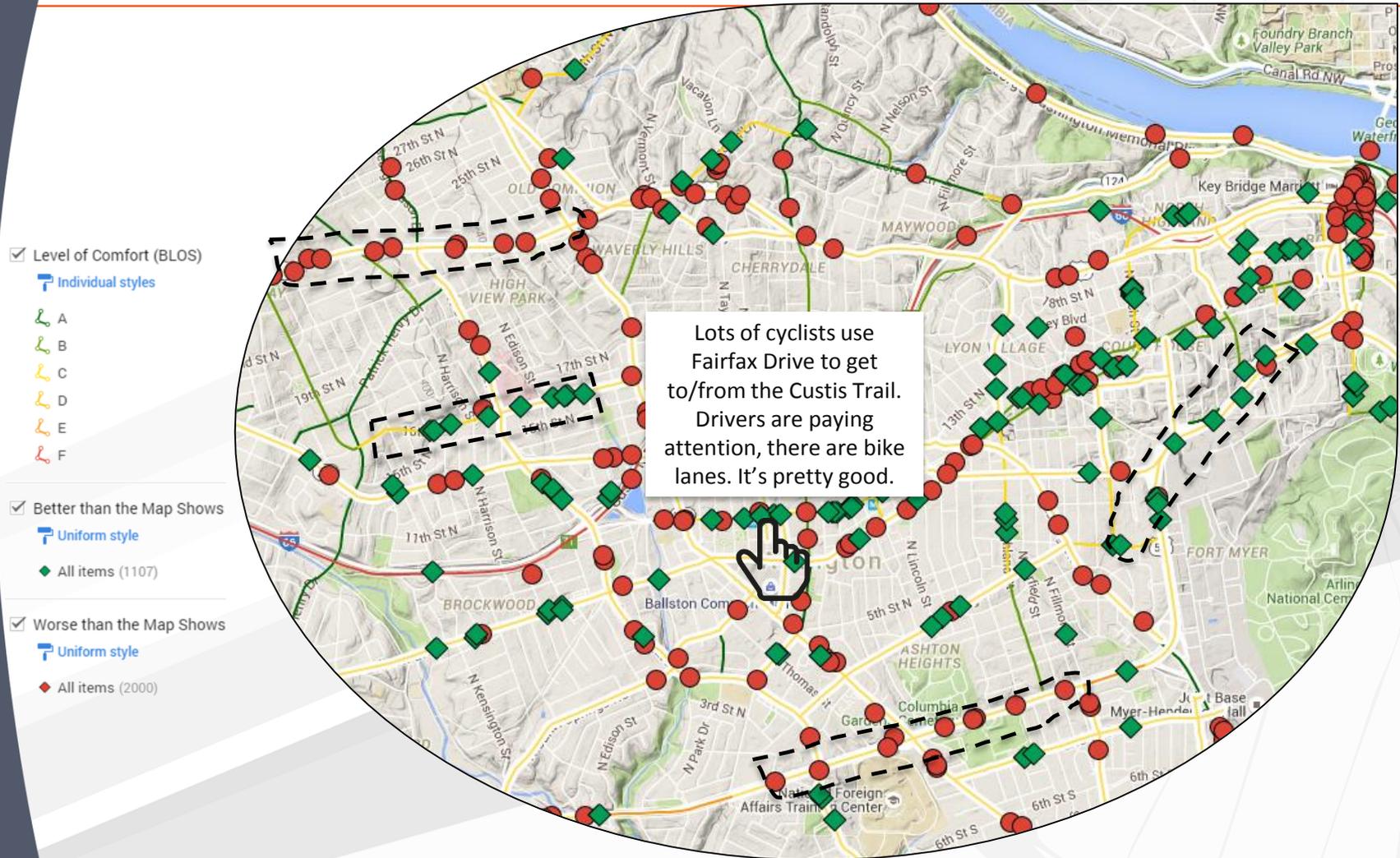


Bicycle Comfort Input

- Level of Comfort (BLOS)
 - Individual styles
 - A
 - B
 - C
 - D
 - E
 - F
- Better than the Map Shows
 - Uniform style
 - ◆ All items (1107)
- Worse than the Map Shows
 - Uniform style
 - ◆ All items (2000)



Bicycle Comfort Input



Bicycle Comfort Input

But the model said...



The data analysis gave this a **"D"**

Bicycle Comfort Input

ON A COMFORT SCALE OF 1 TO 5...

4.5 Shared Use Path

3.7 Designated Bicycle Lane

2.7 Shoulder Cycling

2.2 Shared Lane Marking

1.9 Mixed Traffic

Participants' average bicycle comfort ratings on a scale of 1 to 5 (with 5 being "very comfortable")

Regional Network Input

Regional Bicycle Network

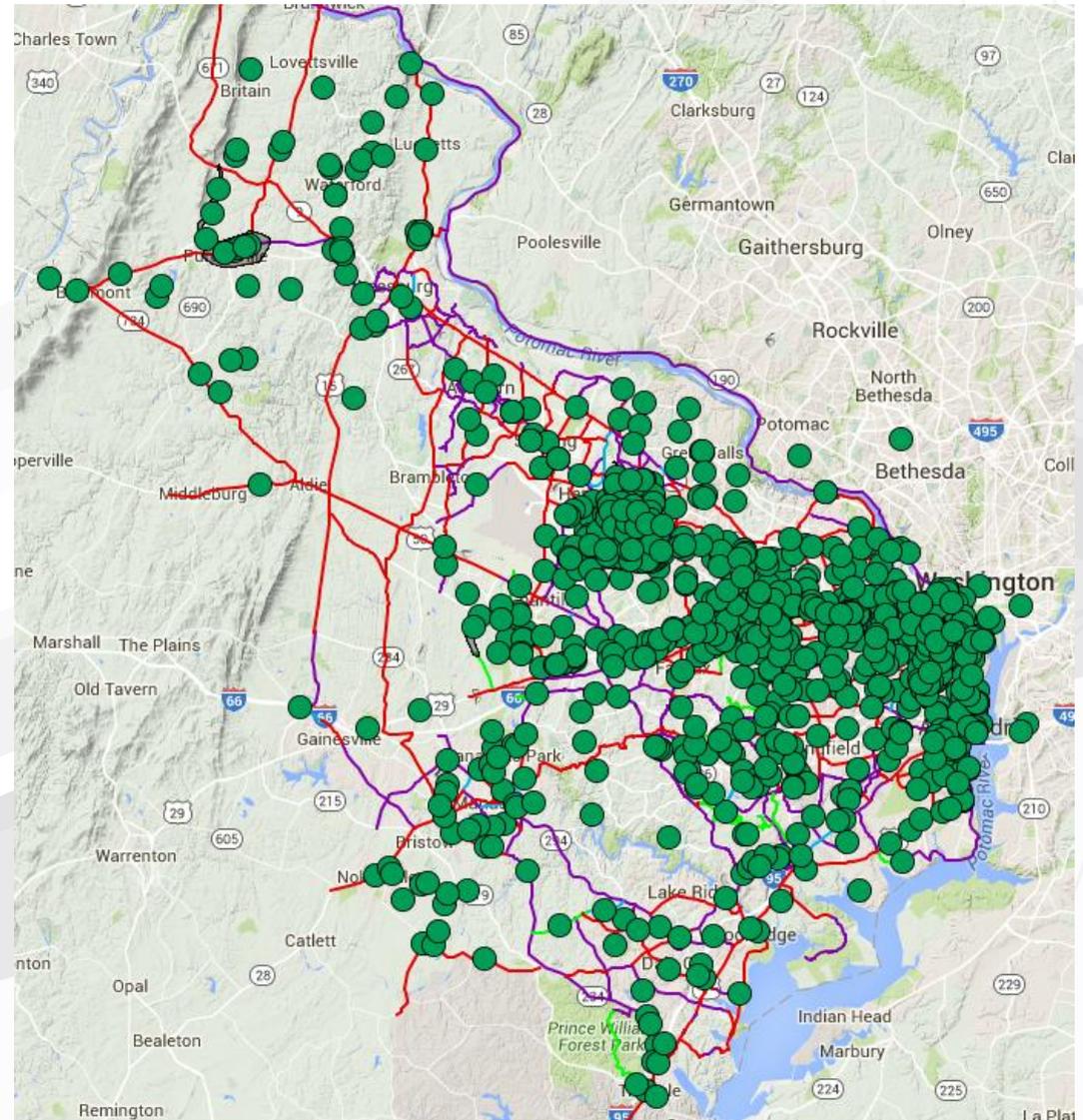
-  Off-Road
-  ON-ROAD
-  ON AND OFF-ROAD
-  Other Notable Existing
-  Proposed 2015
-  Proposed Regional Bicycle Corridor

Comments on Reg. Network

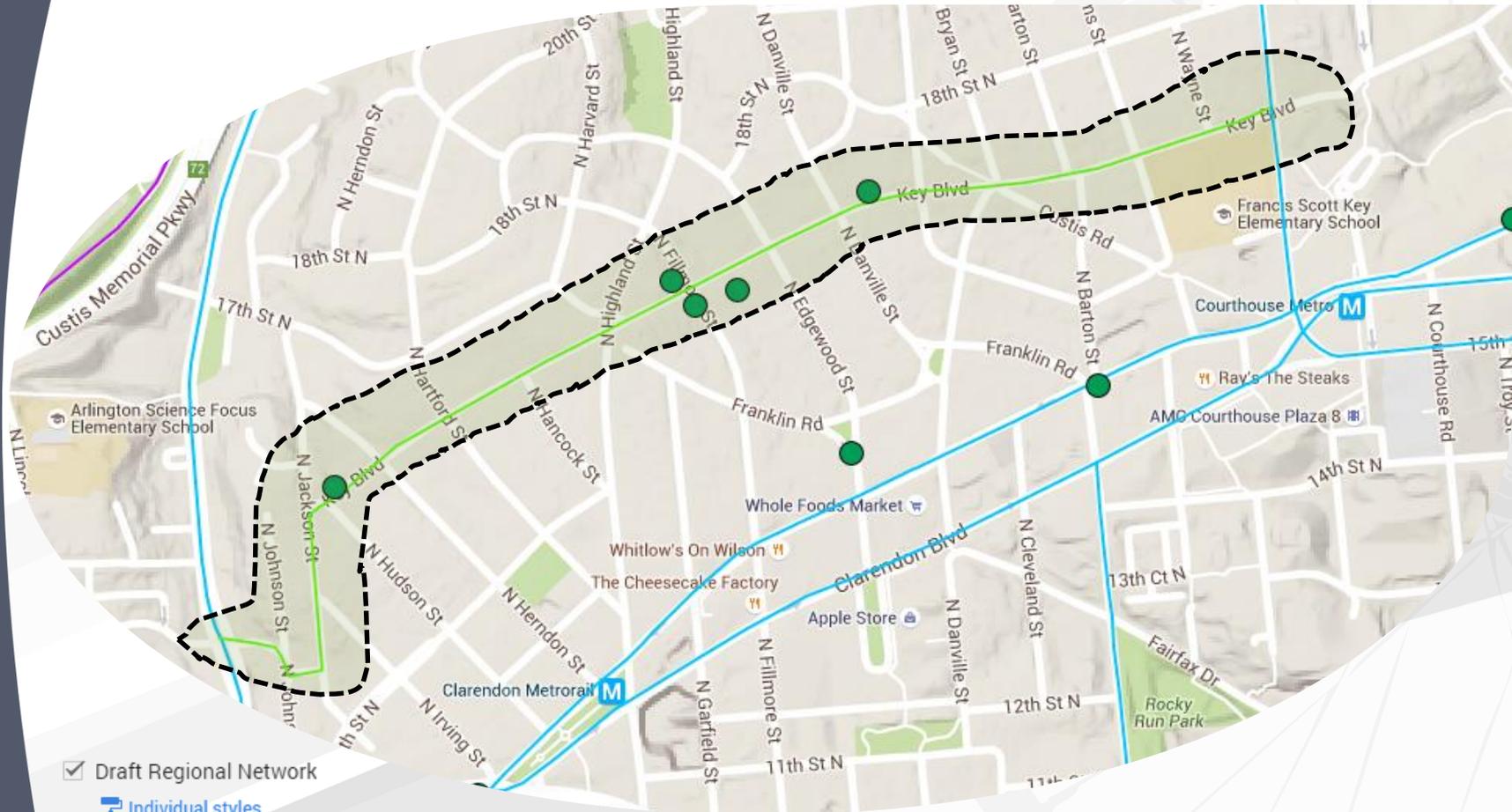
-  All items

Network Revisions_Suggestions

-  1 - Braddock Road
-  2 - Braddock Road
-  3 - Huntington Ave
-  4 - Seminary Road - Janneys Lane
-  5 - Sherwood Hall
-  6 - Army Navy Drive
-  7 - Boundary Channel Drive and Mo...
-  8 - Key Blvd
-  9 - S Eads
-  10 - Wilson new bike lanes
-  11 - Old Dominion Drive
-  12 - S Washington Blvd bike path
-  13 - Preston Road-Valley Drive-Mart...



Regional Network Input



- Draft Regional Network
- Individual styles
- Off-Road
- ON-ROAD
- Other Notable Existing
- Proposed Regional Bicycle C...



**The 2015
Draft
Regional
Network**



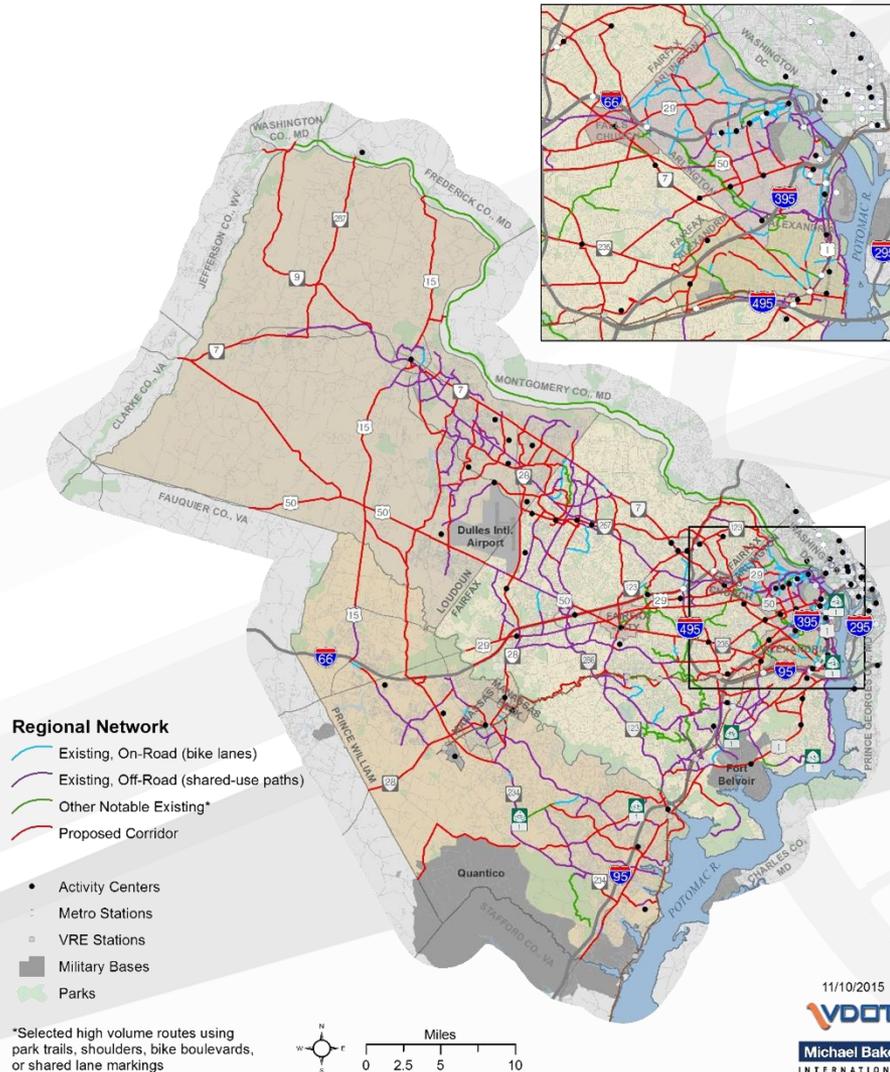
Comparing the 2003 and 2015 Networks

	2003	2015
 <p>On-Road Bicycle Lanes</p>	<p>26 Miles*</p> 	<p>61** Miles</p> 
 <p>Off-Road Shared-use Paths and Trails</p>	<p>243 Miles*</p> 	<p>367 Miles</p> 
 <p>"Other Notable Existing" Facilities</p>	<p>68 Miles</p> 	<p>72 Miles</p> 
 <p>Proposed Corridors</p>	<p>544 Miles</p> 	<p>530 Miles</p> 
<p>Total Network</p>	<p>881 Miles</p>	<p>1,030 Miles</p>

*The 2003 totals included approximately 65 miles of funded, but not yet constructed facilities.

**The 2015 Regional Network includes approximately 1 mile of protected bicycle lanes (S. Eads Street and Hayes Street in Arlington)

The 2015 DRAFT Regional Network



Completing the study



Finishing Steps

- Draft Report
- Public Meeting and Comments
- Complete Report



Questions?



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