SICYCLE MASTER PLAN

Focus on the Corridor Cities Transitway Kickoff Meeting April 20, 2015

Tonight's Presentation

- 1. The Bicycle Master Plan Update
 - Overall Update
 - Focus on Corridor Cities Transitway area
- 2. Planning Tools
- 3. How connected is the bicycle network around the CCT?



Meet & Greet

- 1. Talk with Staff
- 2. Complete Comment Card
- 3. Review Boards
 - Project Schedule
 - Existing Master Plan Recommendations
 - LSC Loop
 - Connectivity Analysis



The Bicycle Master Plan Update

OVERALL UPDATE



Purpose

- Enable great places
- Bring recommendations in line with current best practices
- Improve bicycle access and mobility
- Consolidate bikeway recommendations



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New User Groups























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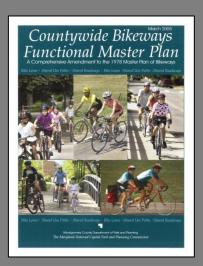
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Functional Plans



1978 Master Plan of Bikeways

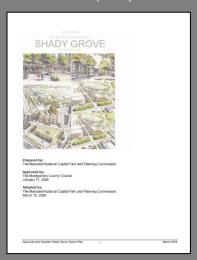


2005 Countywide Bikeways Functional Master Plan

Area Master Plans



GSSC (2010)



Shady Grove (2006)



Wheaton CBD (2012)



White Flint (2010)



Long Branch (2013)



Schedule

Overall Update		
July 1, 2015	Start Work	
Sept 2015	Planning Board Approves Scope of Work	
March 2016	Methodology Report to Planning Board	
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The Bicycle Master Plan Update

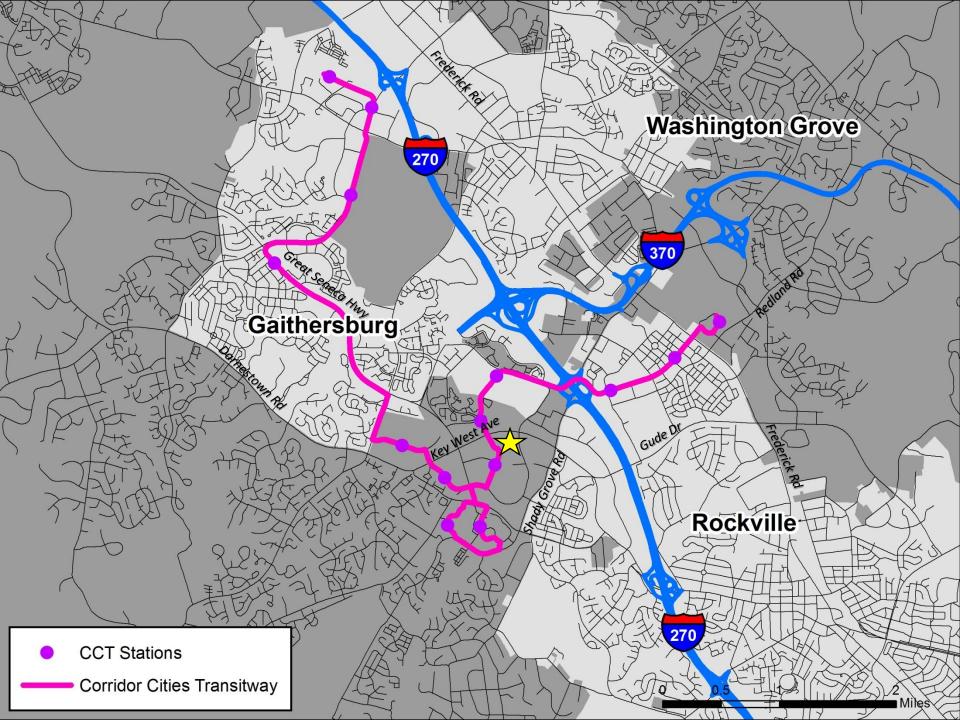
FOCUS ON CORRIDOR CITIES TRANSITWAY AREA



Great Seneca Science Corridor Implementation Advisory Committee

- Established by Planning Board in 2011
- Recommendation:

"develop a regional bikeway network plan to maximize the coordination, connectivity, and effectiveness of the regional bikeway systems in providing access to Phase 1 of the CCT stations and the communities they serve."



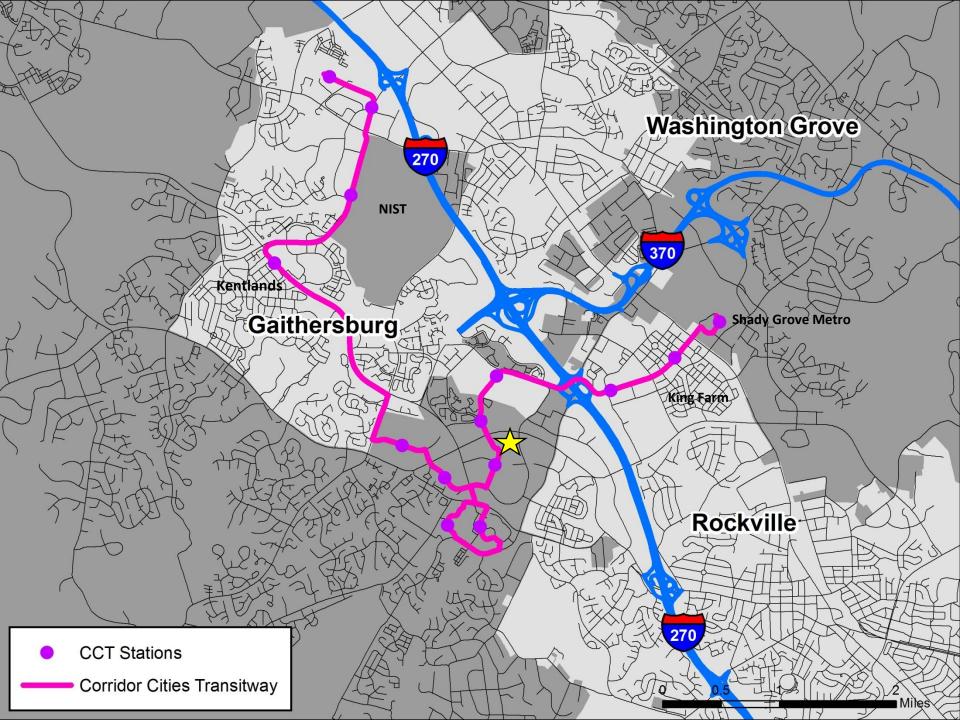
Facilitate coordination with:

- Corridor Cities Transitway
- LSC Loop
- Development applications

Preserve the ability to:

Create a high-quality bicycle network that connects
 CCT stations to the surrounding community, while
 the master plan is under development.





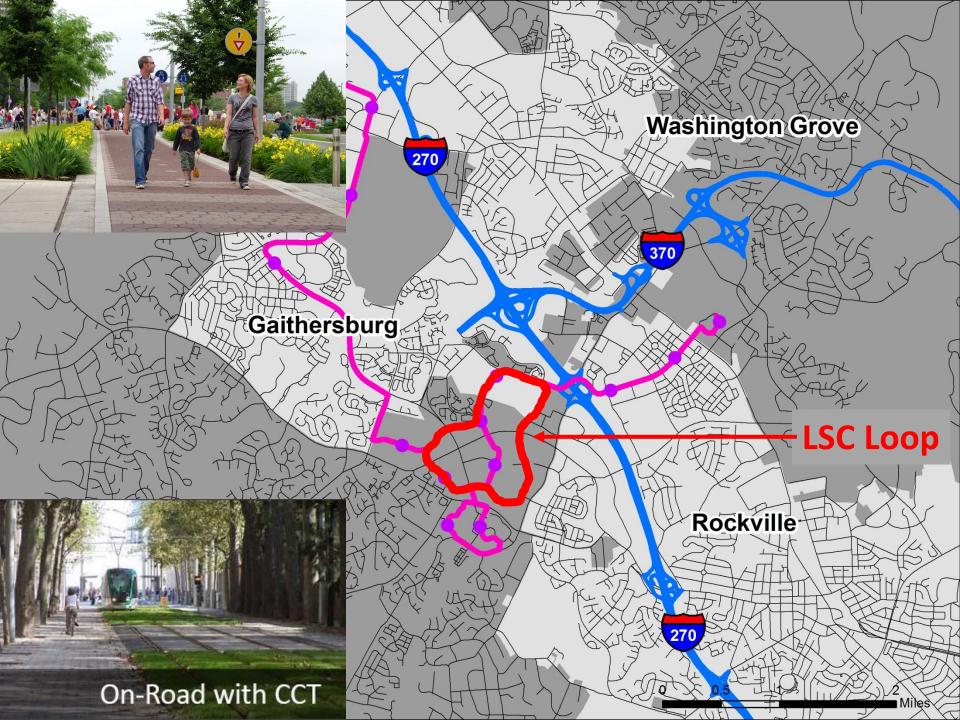
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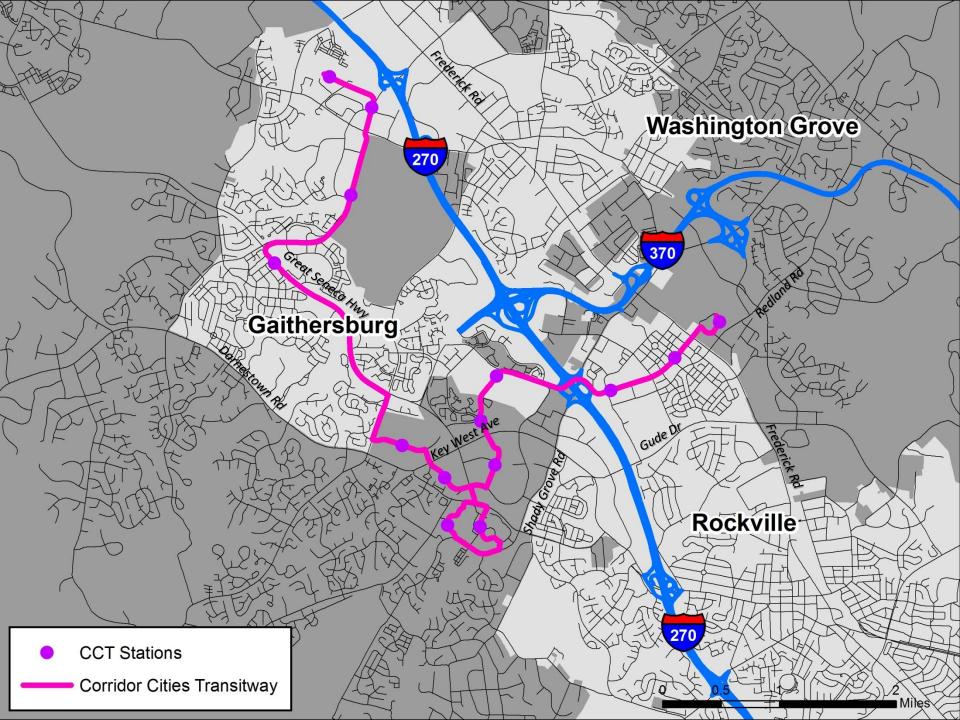
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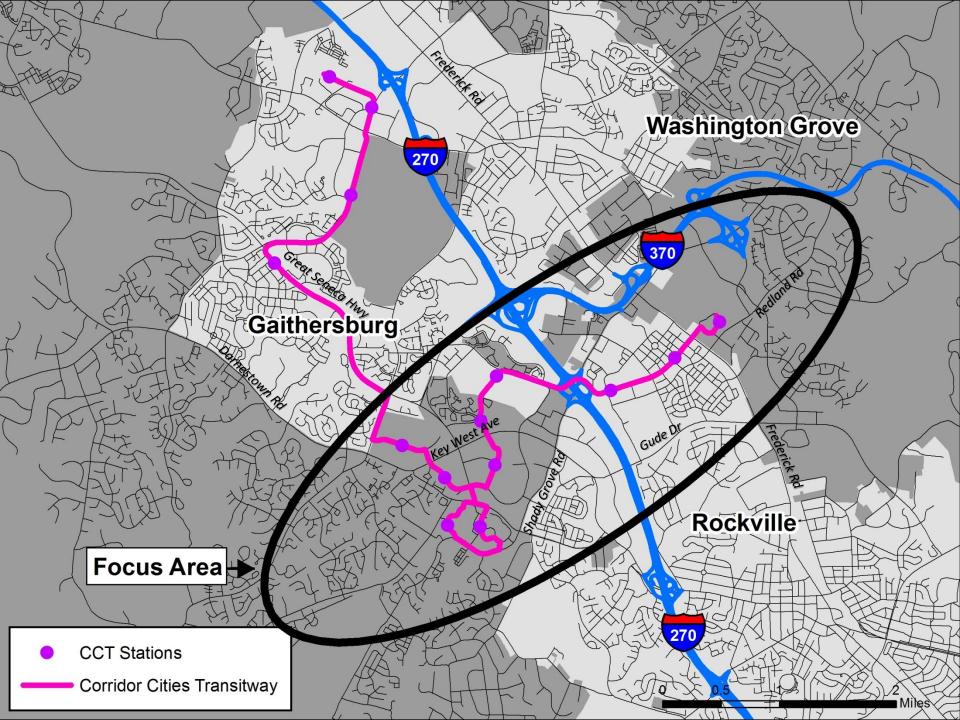
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Scope

- Bikeway Recommendations
- Bicycle Parking at Transit Stations
- Refinements likely
 - methodology report (March 2016)
 - particularly outside station areas







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RESEARCH



Four Types of Transportation Cyclists



Strong and Fearless (~1%)



Enthused and Confident (~10%)



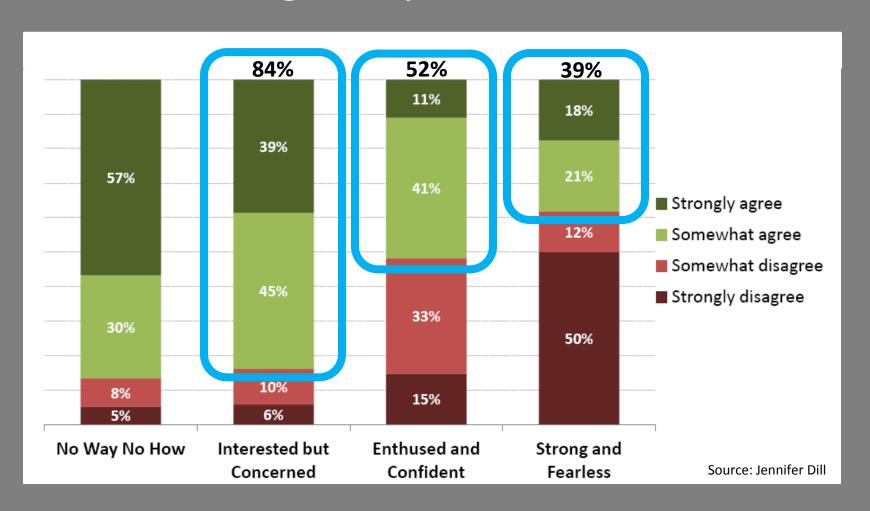
Interested but Concerned (~60%)



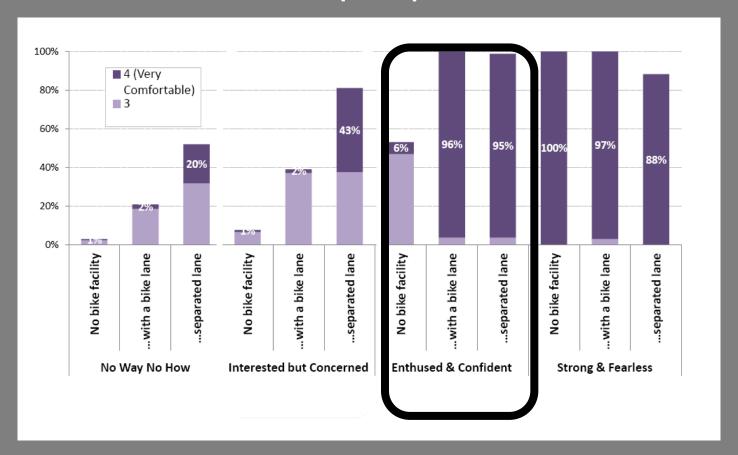
No Way, No How (~30%)



"If or when I ride a bike, I'm concerned about being hit by a motor vehicle..."



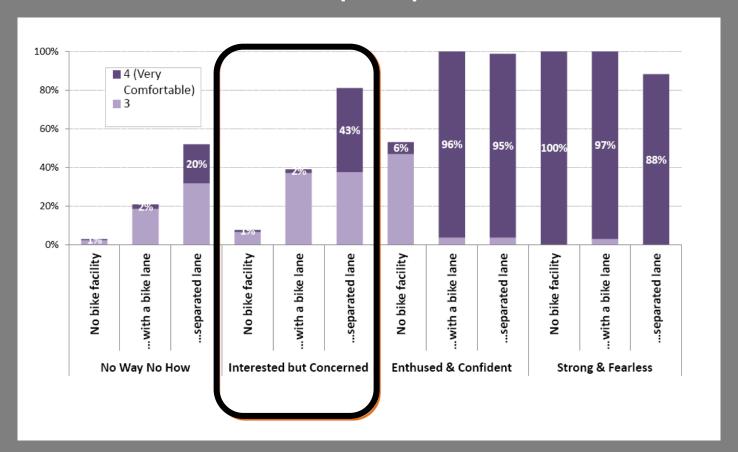
"I'm comfortable riding on a 4-lane road with a 30 mph speed limit"



"Enthused and Confident" group is comfortable riding on arterial roads with bike lanes

Source: Jennifer Dill

"I'm comfortable riding on a 4-lane road with a 30 mph speed limit"



"Interested by Concerned" group requires buffered bike lanes or cycle tracks on arterial roads

Source: Jennifer Dill

Approach

All roads are part of the bike network...

...but some need bicycle facilities to make them bikeable by the general population

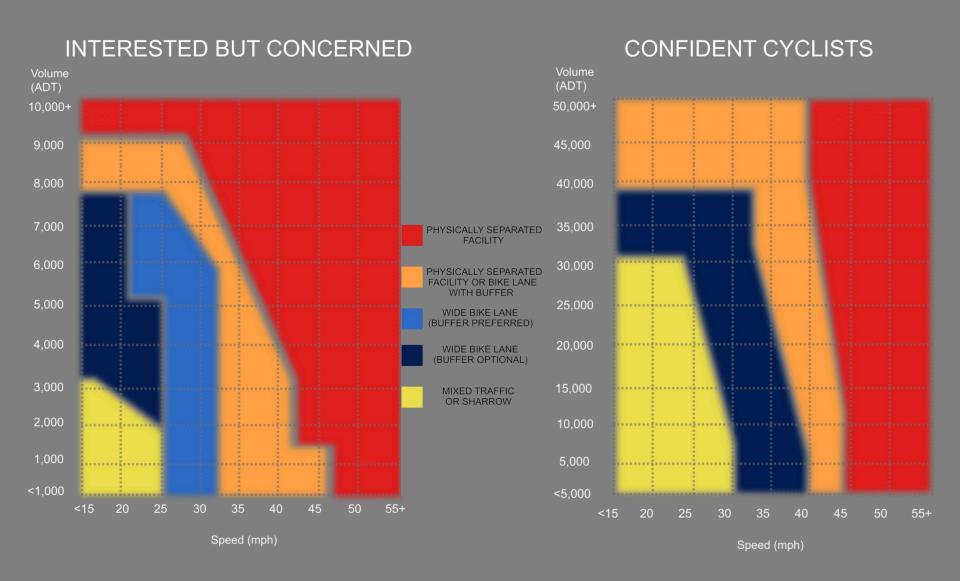




PLANNING TOOLS



TOOL #1: VOLUME / SPEED CHARTS



Great Seneca Highway (south of I-270 ramp)

Speed: 50 mph Volume: 29,000



Great Seneca Highway (south of I-270 ramp)

Speed: 50 mph Volume: 29,000



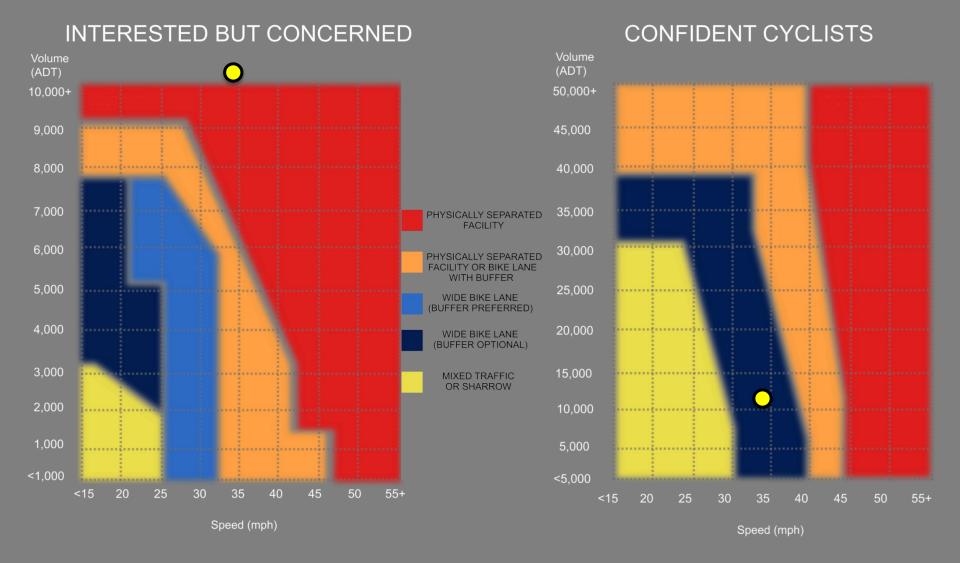
Omega Drive (north of Key West Ave)

Speed: 35 mph Volume: 10,500



Omega Drive (north of Key West Ave)

Speed: 35 mph Volume: 10,500



Dufief Mill Road (south of Muddy Branch Road)

Speed: 35 mph Volume: 12,500



Dufief Mill Road (south of Muddy Branch Road)

Speed: 35 mph Volume: 12,500



Tool #2: Level of Traffic Stress*



- High stress, suitable for 1% of the population
- Equivalent to bicycling in traffic on 40+ mph roads



- Moderate stress, suitable for 10% of the population
- Equivalent to bicycling on 4-lane roads w/ bike lanes



- Low stress, suitable for 60% of the population
- Equivalent to low-volume / low-speed roads



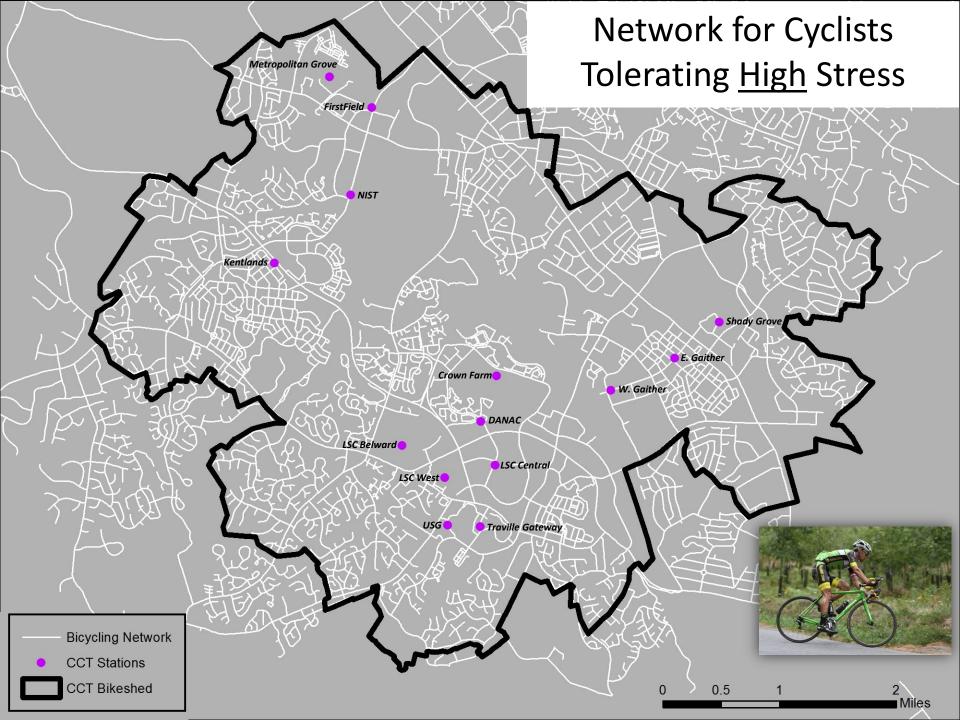
- Very low stress, requires little attention
- Equivalent to neighborhood roads, cycle tracks, trails

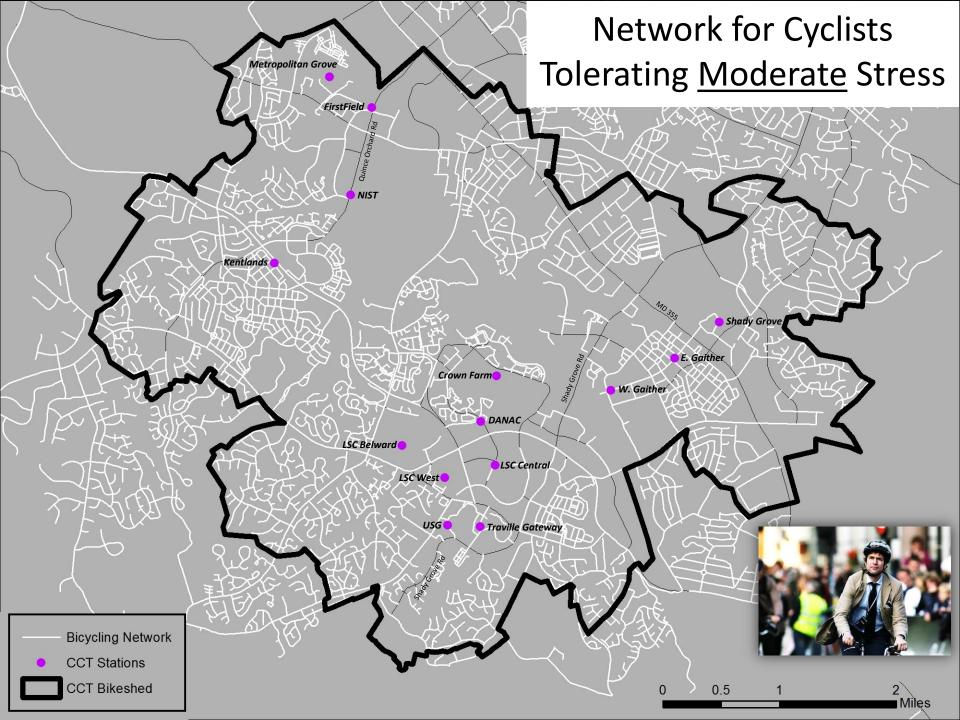
What are Causes of Stress When Riding a Bike?

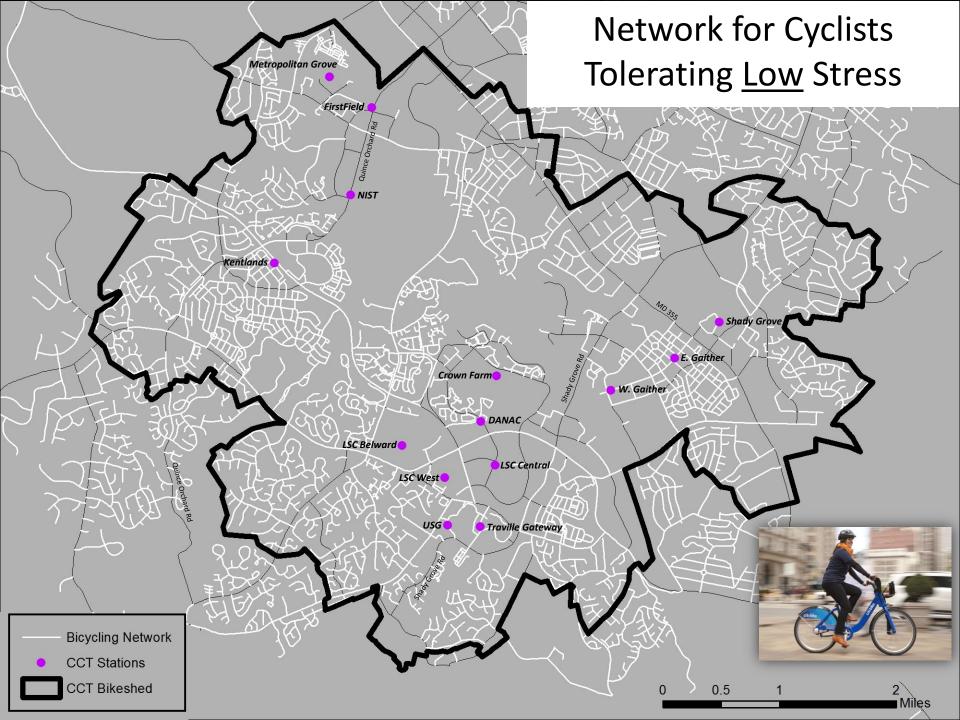
- High traffic volumes
- High traffic speeds
- Frequent parking turnover
- Crossing major roads without a signal
- Bike lane ends

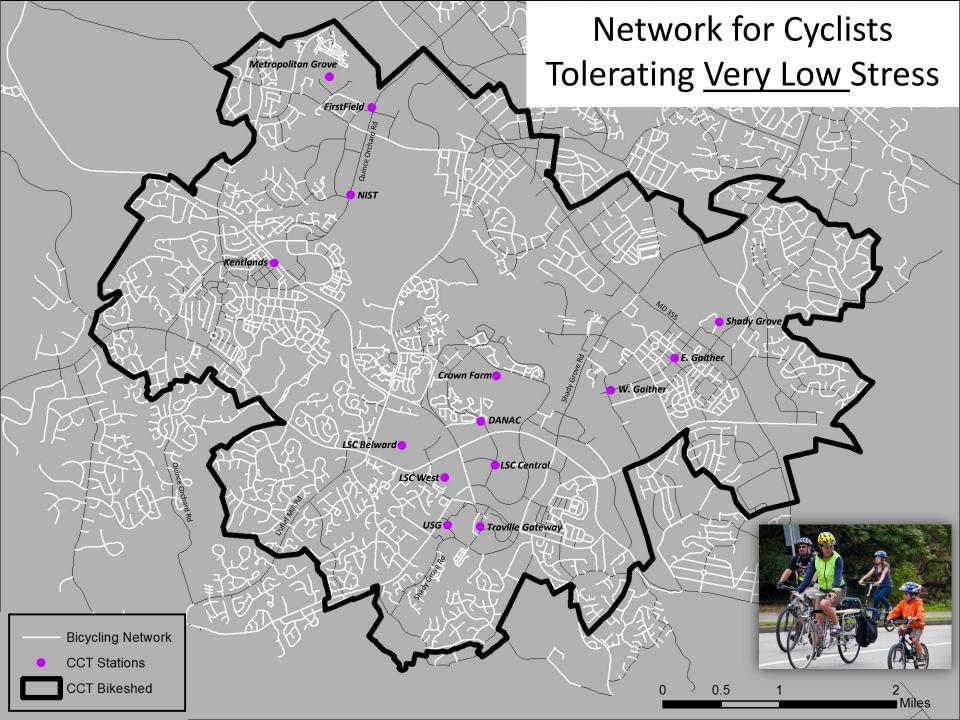
HOW CONNECTED IS THE BICYCLE NETWORK?











How Can You Get Involved?

- Attend Meetings
- Engage with Staff
- Fill Out Comment Cards
- Email or Phone







Project Manager

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Questions?

<u>Team</u>

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Tom Autrey

Larry Cole

Matt Johnson

Patrick Butler

Steve Findley

www.montgomeryplanning.org/bikeplan