



County of Fairfax, Virginia

Fairfax County Bicycle Master Plan



Board Transportation Committee
September 17, 2013



AGENDA

1. Summary of Public Participation & Comments
2. Plan Assumptions, Goals, and Content
3. Policy Briefs Early Initiatives
4. Recommended Bike Network
5. Draft Key Recommendations
6. Next Steps





Summary of Public Comments and Meetings

5 Bicycle Advisory Committee (BAC) Meetings (27 members)

8 Sub-area Workshops

5 Thematic Focus Group Meetings

3 Stakeholders Meetings

2 Countywide Public Information Meetings

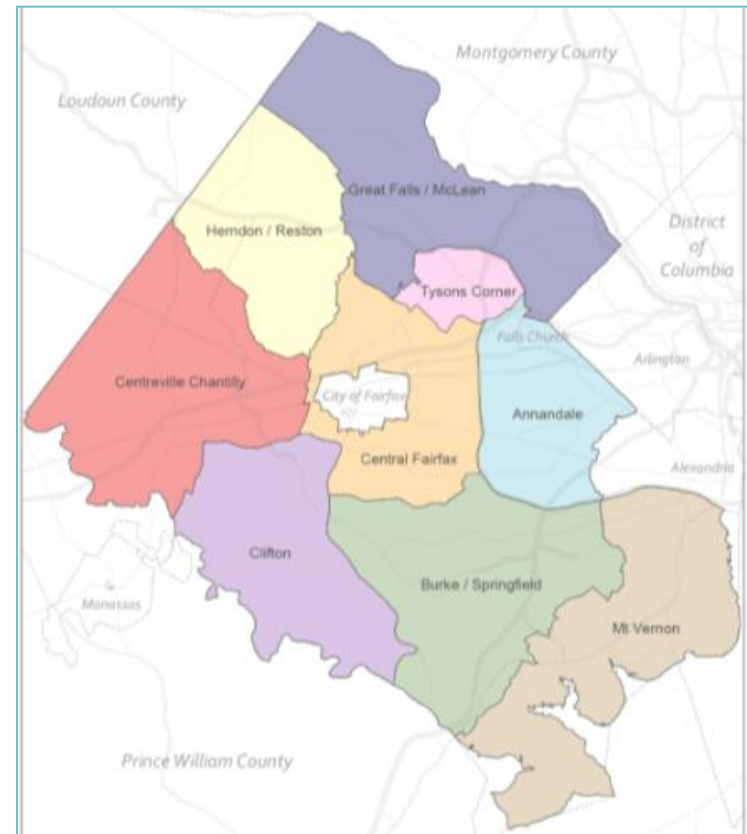
348 Responses to a Survey



Subareas Public Workshop

A series of eight local meetings were held between September 2011 and May 2012 to gather input from citizens.

1. McLean, Great Falls, Wolf Trap
2. Reston, Herndon, Little Difficult Run
3. Chantilly and Centreville
4. Greater Clifton
5. Central Fairfax
6. Annandale and Falls Church
7. Springfield, Burke, and Lorton
8. Mt. Vernon, Fort Belvoir, Mason Neck





Highlights of the Sub-Area Meetings

Clifton	Safety of 2-lane rural roadways, climbing lanes, bike parking, improved access to Ox Road
Springfield/ Burke	Wayfinding, bike parking, maintenance, improved routes to school, access to metro
Centreville/Chantilly	Education and enforcement, safe cycling, share the road
Mt Vernon	Wayfinding, access to F-S Metro, barriers to connectivity
Great Falls/McLean	Access to Silver Line Stations, access to Arlington & DC by bike, bike culture, lighting
Annandale	Improvements to the big roads (236, 7, 50), develop bike shoulders and service drives, Guidance to the revitalization areas, stream valley trail upgrades, I-395 & I-95 barriers
Herndon/Reston	Access to Silver Line Stations, Sunrise Valley and Wiehle are key routes, neighborhood connectivity, improve both on and off road facilities
Central Fairfax	GMU M2M connection, Difficult Run SVT, Metro access, improve trails and stream valleys to eliminate barriers



5 Thematic Focus Group Meetings

Economic Impacts

Biking and Health

Bike Safety Education

School Transportation

Law Enforcement

3 Stakeholders Meetings

Fairfax County Park Authority

Virginia Department of Transportation

Fairfax County Department of Transportation

2 Countywide Public Information Meetings

348 Responses from survey



Survey Report

Four top reasons people don't bike more:

1. Gaps in network
2. Too many barriers
3. Lack of connectivity
4. Don't feel safe

SURVEY REPORT

Four reasons people don't bike more:

- » **Gaps in the network.**
- » **Too many barriers.**
- » **Discontinuous facilities.**
- » **Don't feel safe in traffic.**

	COUNT	PERCENT
There are gaps in the network of trails and bike lanes.	235	71%
There are too many barriers to biking (freeways, stream valleys, lack of street connectivity).	167	51%
Continuous bicycle facilities do not exist for the trips I would like to take.	148	45%
I don't feel safe riding a bicycle in traffic.	146	44%
Road surfaces are in poor condition (potholes, cracks, debris, etc.).	110	33%
The paths are in poor condition (potholes, cracks, debris, etc.).	109	33%
Time constraints due to schedule demands.	72	22%
I don't know of a bicycle route to my destination where I feel safe.	63	19%
There is insufficient bicycle parking at my destination.	42	13%
Other (see answers below)	40	12%
My destination does not offer shower/locker facilities.	37	11%
It would take me too long to bike to the places I need to go.	34	10%
Family travel needs.	23	7%



Survey Report

Which facilities do you prefer to use?

Off-road paths and trails (72%)

Designated striped bicycle lanes (52%)

Neighborhood streets

Paved shoulders (29.5%)

Which improvements would influence you to bike more often?

More bike lanes on major streets (83.5%)

More off-street trails (71.3%)

More wide outside curb lanes (65.2%)

Better maintenance (e.g. sweeping, repairs) (49.6%)



Baseline Fairfax - Bicycle Transportation Potential

Types of Trips	Total Daily	3 Miles or Less	Percent 3 Miles or Less
Trips to/from Work	672,733	85,251	12.7%
Other Trips shopping, school, etc.	2,050,323	828,726	40.4%
All Daily Trips Grand Total	2,723,056	913,977	33.6%





Plan Assumptions and Goals

Meeting the needs of bicyclists today while encouraging more people to choose to ride in the future...making Fairfax County bicycle friendly and bicycle safe.

- To increase bicycle use as an alternative transportation mode, especially for non-commute trips which are about 75 percent of all trips
 - Goal: 3.0 percent by 2020 (Approximately 0.7 percent in 2010)
- Serving all riders (8-80+, recreation and transportation, etc),
- By providing trails and sidewalks upon which many cyclists are most comfortable, and
- On-road facilities and accommodations to serve all cyclists
- Improve safety through infrastructure improvements, education, and enforcement



What's in the Plan?

Comprehensive Plan Language

Recommended Bicycle Network Maps (four quadrants)

Policy Narrative and Guidance

Policy Briefs

Design Guidance - the Toolkit

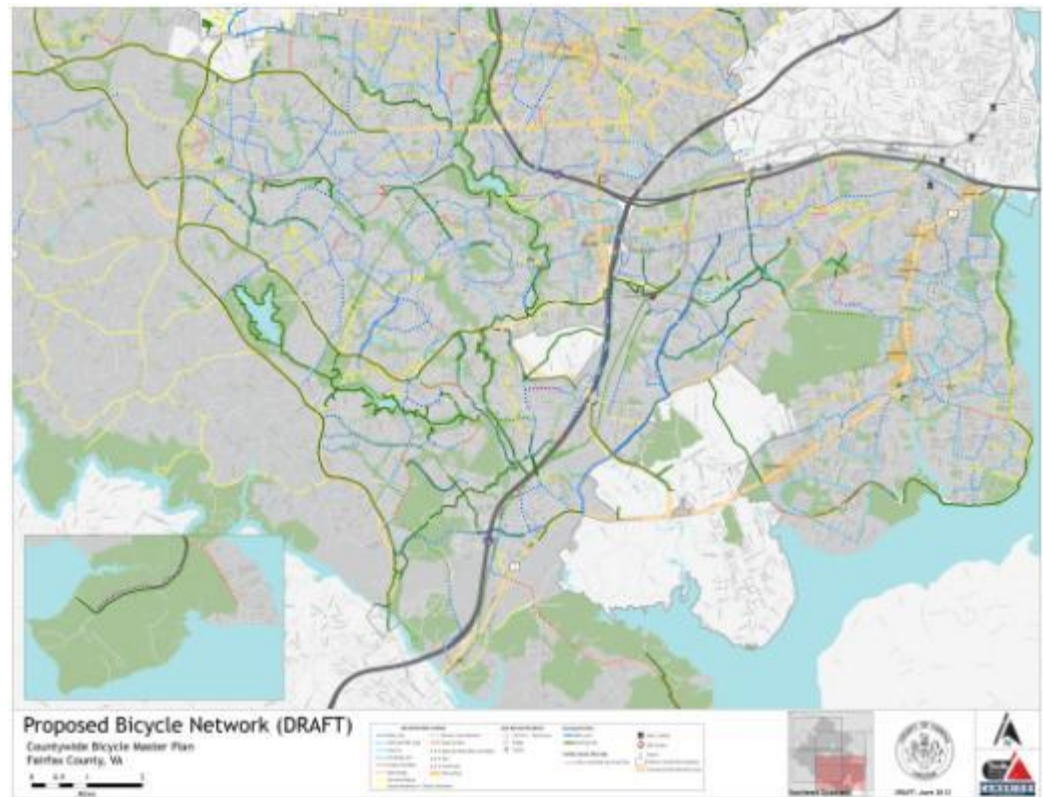
Draft Recommendations



Recommended Bike Network

The Map

- Four Maps – quadrants
- Inset Maps
- Policy notes and Tables
- Recommendations serve near term and long term needs.
- Facility recommendations for Policy Roads (Arterial network) are shown in a Table.

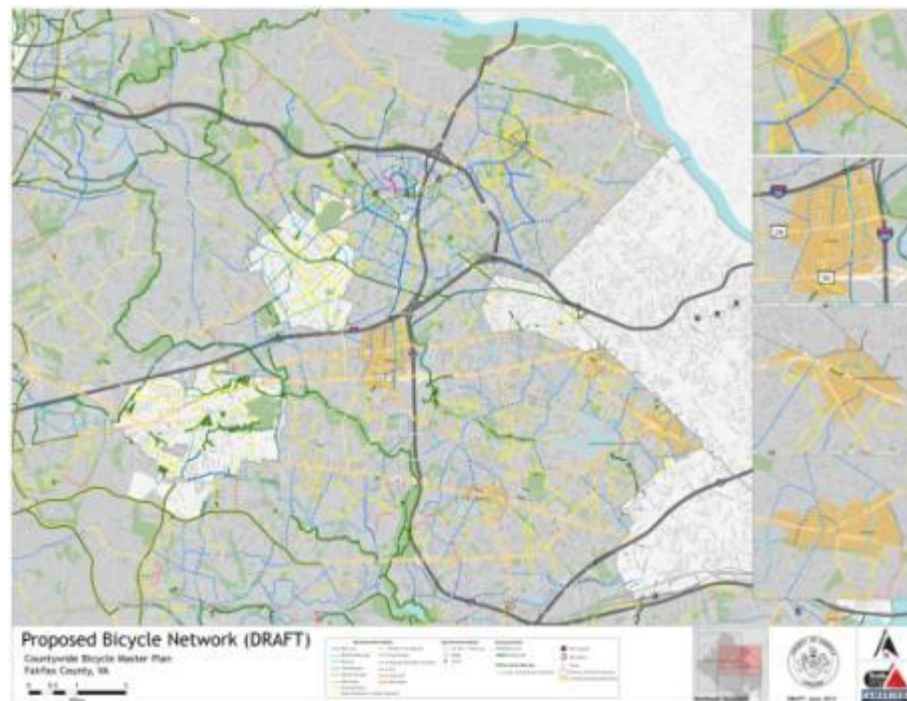




Recommended Bicycle Network

The Data

- On-Road Facility Recommendations
- Transportation Trail Recommendations
- Major Actions
 - Lane Diet, Road Diet, Widen Road, Calm Traffic, Reduce Speed, Modify Parking
 - Construct New, Surface/Resurface, Widen, Relocate
- Level of Effort
 - Low, Medium, High





Policy Briefs (16)

- A. Principals**
- B. On-Road Facilities**
- C. Intersections**
- D. Transportation Trails**
- E. Maintenance**
- F. Policy Roads**
- G. New Facilities and Accommodations**
- H. Facility Implementation**
- I. Bicycle program**
- J. Bike Fairfax**
- K. Law Enforcement**
- L. Bicycle Safety**
- M. School Transportation**
- N. Interagency & Inter-jurisdictional Coordination**
- O. Funding**
- P. Performance measures**



Draft Key Recommendations

Implementing what's in the Toolkit...

Add over 250 miles on new on-road bike lanes including: Tysons Corner, Reston Town Center, South Lakes Drive, Lawyers Road, Hummer Annandale Roads, Sherwood Hall Lane, Huntington Avenue, Rose Hill, Belle Haven Boulevard, Guinea Road, Government Center Parkway...

Install Shared Lane Markings (SLMs or Sharrows) on 123 miles of roadway

Examine innovative bicycle design treatments (e.g. cycle-tracks, buffered bike lanes, climbing lanes, striped shoulders) on an additional 94 miles of roadway.

Add 91 miles of new shared use paths and upgrade 31 miles of existing shared use paths to provide bicycle transportation connectivity

Examine new pedestrian and bicycle crossings of the beltway and other major barriers.

Advance over 100 spot safety improvements to improve bicycling in Fairfax County

Implement a Countywide bicycle wayfinding signage program (e.g. McLean Demonstration)

Expand connectivity to activity centers and rail stations by expanding access to/from the W&OD trail, the Cross County Trail (CCT), Holmes Run, Rocky Run, South Run, and the Pohick Stream Valley.



Jump Start Plan Implementation

Form a Countywide Bicycle Advisory Committee (BAC)

Launch an intensive Bike Parking Initiative

Partner with private sector to create a High Profile Network of Bicycle Stations

Implement Capital Bikeshare in the County's Urban Centers and Transit Station Areas

Promote Fairfax involvement in all League of America Bicyclists (LAB) Bike-Friendly programs

Retrofit and open key park trails for use after dark

Fund a coordinated trail maintenance, resurfacing, and wayfinding sign program

Partner with VDOT and coordinate the annual repaving program in order to expand the on-road network

Initiate an intersection retrofit program to eliminate barriers in the bicycle network

Continue the current strategy for infrastructure funding

Launch a law enforcement initiative

Address bicycle safety education and coordinate with FCPS

Target bike safety education programs to the most high risk constituencies

Focus safety education on motorist and bicyclists behavior

Focus on encouraging bicycle tourism/initiate events such as cyclovias

Strengthen the Fairfax County DOT Bicycle Program

Create "Bike Fairfax", a bicycling encouragement program modeled after "Bike Arlington"



Next Steps

Currently addressing comments and modifying documents to conform to required Comprehensive Plan language (September-October)

Finalize final draft Bicycle Master Plan Policy and merge Phase I (Greater Tysons Area) with Phase II, the rest of the County (October-November)

Finalizing four quadrant maps (September – November)

Schedule third briefing with the Planning Commission's Transportation Sub-committee (November)

Schedule PC and BOS Public Hearing (early 2014)



An Analysis of Bike Arlington

Will it work for Fairfax County?

Bike Arlington is an initiative of Arlington County Commuter Services with the purpose of encouraging and enabling more people to bike more often.

Three full time staff members exclusive of Capital Projects, Planning, Engineering staff
FY 2012 Budget: ACCS Total = \$9.7 million. Bike Arlington approximately = \$1.5 m
Responsible for Education, Encouragement, Outreach, and Events: over 100 events/year including “Two Wheel Tuesdays”

Services and Activities include:

- Bike to Work Day and other events
- Arlington Bike Map
- Safe Cycling Classes includes Two Wheel Tuesdays
- Bicycle Friendly Business outreach and assistance
- Developing Arlington’s Bicycle Culture