Bicycle and Pedestrian Plan for the National Capital Region

DRAFT

March 31, 2006

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Bicycling, Walking and the Vision of the Transportation Planning Board

The National Capital Region Transportation Planning Board has long recognized the benefits of bicycling and walking in the region's multi-modal transportation system. The Transportation Planning Board's *Transportation Vision for the 21st Century*, adopted in 1998, emphasizes bicycles and pedestrians in its goals, objectives and strategies. A key part of the vision is a strong urban core and a set of regional activity centers, which will provide for mixed uses in a walkable environment and reduced reliance on the automobile. The Vision also calls for the implementation of a regional bicycle and pedestrian plan. Recommendations in this plan will help realize the Vision.

The Urban Core has a Growing Network of Bicycle Lanes

Bicycling and Walking in the National Capital Region

The Washington region is nationally known for the quality, beauty, and extent of its bicycle paths. Its walkable core neighborhoods attract residents and visitors alike. The region has a strong foundation of walking and bicycling facilities to build upon.

Bicycling and walking together are a significant mode of transportation in the Washington region. According to the Metropolitan Washington Council of Governments' 1999 Household Travel Survey there are roughly 1.1 million pedestrian trips per day in the region, which is 7.8% of all trips. There are roughly 76,000 bicycle trips per day in the region, which is one-half of one percent of the almost 14 million daily trips for all modes of transportation.

Walking and Bicycling account for 8.3% of all trips in the region

Recent years have seen progress for bicyclists and pedestrians. Several major new trails have opened, and most local governments have adopted bicycle, pedestrian, and/or trail plans. The Washington Metropolitan Area Transit Authority has eliminated the requirement for bike-on-rail permits, expanded bicycle boarding hours, and added bike racks to its buses. Bicycle or pedestrian coordinators and trail planners are now found at most levels of government. In accordance with federal guidance and new state policies,

pedestrian and bicycle facilities are increasingly being provided as part of larger transportation projects. Employers are investing in bike facilities at work sites, and developers are including paths in new construction.

The Capital Crescent Trail Bridge over Rock Creek, Chevy Chase, MD opened in 2003

Bicycling and walking could reach a greater potential in the Washington region, however. Many trips currently taken by automobile could potentially be taken by bicycle. The average work trip length for all modes in the Washington Metropolitan Statistical Area is 16.2 miles.[1] But 17% of commute trips are less than five miles, a distance most people can cover by bicycle.

Many people who live far from their jobs, but closer to transit or a carpool location could walk or bike to transit or the carpool instead of driving. The average trip distance to transit or carpool is only 3.1 miles.[2] Only 15% of transit riders and carpoolers travel more than five miles to the transit or carpool location[3]

The potential for shifting non-work trips to bicycle or walking is probably even greater than for work trips. The average non-work trip is a little more than five miles, and nearly 3/4 of all trips are non-work trips.[4] Destinations such as schools, shopping, and recreational facilities are often close enough to walk or bicycle. Bicycling and walking have considerable potential to displace automobile trips if suitable transportation, design, safety, parking, school siting, and land development policies are followed.

Plan Development and Organization

This plan has been prepared by the National Capital Region Transportation Planning Board (TPB), the federally designated Metropolitan Planning Organization (MPO) for the Washington region. The TPB is made up of representatives of 20 local governments, the departments of transportation of Maryland, Virginia, and the District of Columbia, the state legislatures, and the

[1] National Capital Region Transportation Planning Board, *2004 State of the Commute Survey Report,* November, 2004, p. 22.
[2] Ibid, p. 27.
[3] Ibid, p. 27.
[4] National Capital Regional Transportation Planning Board, *1994COG/TPB Household Travel Survey: Summary of Major Findings,* January, 1998. Page 5.

Washington Metropolitan Area Transit Authority (WMATA). Member jurisdictions are shown in Figure i-1 on page i-4. The area of the TPB members plus Calvert County in Maryland and Stafford County in Virginia comprises the Washington, DC-MD-VA Metropolitan Statistical Area (MSA).

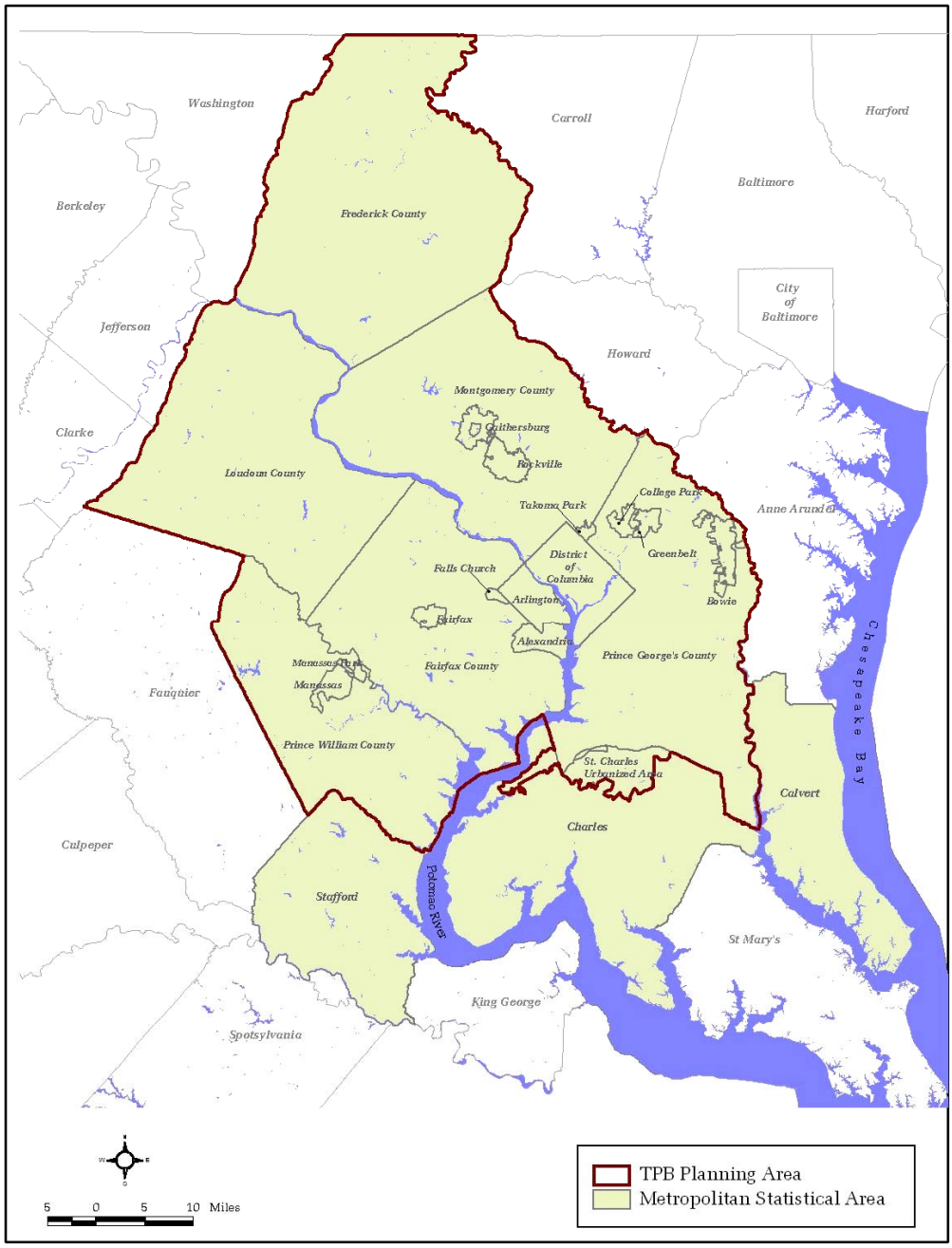
This document presents the unconstrained long-range Bicycle and Pedestrian Plan for the Washington Region through the year 2030. The plan is a list of regional projects identified by the TPB member jurisdictions, accompanied by recommended best practices and a description of existing facilities and regional trends for bicycling and walking. As a multi-state region, we do not specify design guidelines, but refer instead to state and national guidelines for bicycle and pedestrian facilities.

This update of the Bicycle and Pedestrian Plan for the National Capital Region seeks to reflect the goals, objectives and strategies of the TPB's 1998 Transportation Vision while building on information from previous bicycle plans.

This update also fully incorporates pedestrian issues for the first time. Pedestrian planning is most needed at the county, city and neighborhood level. There is, however, a role for regional pedestrian planning. By recommending policies and keeping track of regional trends, we can help make the Washington area a better place to walk.

The New York Avenue Metro Station Incorporates a Shared-Use Path and Bicycle Parking

Figure i-1
TPB Planning Area, Washington DC-MD-VA Metropolitan Statistical Area (MSA)



Overview

This Bicycle and Pedestrian Plan for the National Capital Region draws on and has been shaped by a number of regional, state, and local policy statements, plans, and studies, including the Vision of the Transportation Planning Board, the TCSP (Transportation and Community and System Preservation) reports, federal and state guidance on provision of bicycle and pedestrian facilities, the Constrained Long Range Plan and Transportation Improvement Program, and state and local bicycle and pedestrian plans.

The Vision of the Transportation Planning Board

The National Capital Region Transportation Planning Board is the Metropolitan Planning Organization for the Washington region. It brings key decision-makers together to coordinate planning and funding for the region's transportation system.

The TPB's official vision statement for the region, the *Transportation Vision for the 21st Century*, adopted in 1998, is meant to guide regional transportation investments into the new century. The Vision is not a plan with a map or specific lists of projects. It lays out eight broad goals, with associated objectives and strategies that will help the region reach its goals.

The Vision of the TPB calls for more Walking and Biking

The Vision is supportive of pedestrians and bicyclists. It calls for:

- Convenient, safe bicycle and pedestrian access
- Walkable regional activity centers and urban core
- Reduced reliance on the automobile
- Increased walk and bike mode share
- Including bicycle and pedestrian facilities in new transportation projects and improvements
- Implementation of a regional bicycle and pedestrian plan

Sections of the Vision relating to bicycle and pedestrian goals are highlighted in Table 1-1. The full text of the Vision is available at www.mwcog.org/transportation.

This plan is intended to help fulfill the goals of the TPB Vision for Bicyclists and Pedestrians; recommendations in this plan reflect the goals of the Vision.

In addition to the specific references in Table 1-1, many other aspects of the Vision address bicyclists and pedestrians, such as: maintaining the existing transportation system, reducing the per capita vehicle miles traveled, linking land use and transportation planning, and achieving enhanced funding for transportation priorities.

Table 1-1:
Bicycle and Pedestrian Provisions of the Transportation Vision

Goal 1. The Washington metropolitan region's transportation system will provide reasonable access at reasonable cost to everyone in the region.

Objective 4: Convenient **bicycle and pedestrian** access

Strategy 3: Make the region's transportation facilities safer, more accessible and less intimidating for **pedestrians, bicyclists**, and persons with special needs.

Goal 2. The Washington metropolitan region will develop, implement, and maintain an interconnected transportation system that enhances quality of life and promotes a strong and growing economy through the entire region, including a healthy regional core and dynamic region activity center with a mix of jobs, housing, and services **in a walkable environment**.

Objective 2: Economical strong regional activity centers with a mix of jobs, housing, services, and recreation **in a walkable environment.**

Objective 4: Improved internal mobility with reduced **reliance on the automobile** within the regional core and within regional activity centers.

Goal 5. The Washington metropolitan region will plan and develop a transportation system that enhances and protects the region's natural environmental quality, cultural and historic resources, and communities.

Objective 3: Increased transit, ridesharing, **bicycling and walking** mode shares.

Strategy 7: Implement a regional **bicycle/trail/pedestrian plan** and include **bicycle and pedestrian facilities** in new transportation projects and improvements.

Accompanying the Vision is a shorter action agenda with elements to be included in the year 2000 long range transportation plan for the region. Item four on the action agenda calls for a regional congestion management system to achieve significant reduction in single occupant vehicles (SOVs) entering the regional core and regional activity centers by:

- designing and developing circulation systems that maximize the use of transit (rail, monorail, bus, jitney, etc.) and **pedestrian and bicycle** facilities

Encouraging Bicycling and Walking: Bike to Work Day, the Bike to Work Guide, and Guaranteed Ride Home

To help realize the TPB Vision and reduce congestion, air pollution, and Single Occupant Vehicle Traffic, the TPB has developed several programs to encourage bicycling and walking in the Washington region. As part of its Commuter Connections program, every year on the third Friday in May the TPB sponsors a regional Bike to Work Day. This event has grown into one of the largest of its kind in the country, attracting over five thousand riders to more than twenty "pit stops" or rallying points around the region. The event is meant to encourage first-time riders to try bicycling to work.

The Commuter Connections program also publishes *Biking to Work in the Washington Area: A Guide for Employers and A Guide for Employees*, which provides tips for employees and employers. For employees, there are tips on safe cycling, laws, equipment and clothing, and transit connections. For employers, the guide explains the benefits of bicycling to the employer, the types of bicycle parking, and the ways an employer can encourage an employee to bike to work. Commuter Connections also makes available on-line a regional map of existing bicycle facilities, park and ride lots with bicycle parking, transit, and HOV lanes.[1] The Bicycle and Pedestrian Subcommittee also publishes a map of regional bicycle facilities in cooperation with the ADC Map Company. Maps can be ordered at www.adcmap.com.

People sometimes drive to work because they need to be able to get home quickly in an emergency. To meet that need and help get more people out of their cars, the Commuter Connections program offers a free taxi ride home in an emergency for commuters who regularly (twice a week) carpool, vanpool, bike, walk or take transit to work. Commuters who sign up for the program may use it up to four times per year.

Priorities 2000: Metropolitan Washington Greenways and Circulation Systems

The Greenways and Circulation Systems Reports identify specific projects that support the TPB Vision

In 1999 the TPB undertook the preparation of two reports: *Priorities 2000: Metropolitan Washington Greenways*, and *Priorities 2000: Metropolitan Washington Circulation Systems*[2]. The reports were funded by the Federal Highway Administration under the Transportation and Community and System Preservation (TCSP) Pilot Program. The grant was intended to support two key components of the TPB vision: improving circulation within the regional core and regional activity centers, and integrating greenspace into a regional greenways system. The Greenways report supports the greenways and trails component of the TPB vision, while the Circulation Systems report supports the goal of improving circulation, especially non-motorized circulation, within the

[1] The Bike to Work Guide is available at www.mwcog.org/commuter/ccindex.html

[2] Both reports can be downloaded under "Information and Publications" at www.mwcog.org

urban core and the regional activity centers. The two *Priorities 2000* reports provided key input to this bicycle and pedestrian plan.

The Greenways report identified eight regional priority trail projects, and twelve local projects, as well as nine major existing greenways. Projects were selected as regional priorities based on five criteria:

- Potential inter-jurisdictional connection
- Fill a critical gap
- Provide ecological benefits
- Links to existing or planned greenway
- Provide community access to the regional greenway network


C&O Canal Towpath Great Falls, MD,

The Greenways report also provides detailed strategies for identifying, planning, implementing, and managing greenways projects.

Regional priority projects, local priority projects, and selected existing greenways from the Greenways report are listed in Table 1-2 and are shown on Figure 1-1, Metropolitan Washington Greenways, in Appendix M. Several of these greenways have been completed since this report was published, while others have been advanced significantly.

Priorities 2000: Circulation Systems

The Circulation Systems Report focused on local circulation systems within the regional core and within regional activity centers. Places such as Tysons Corner have grown to urban densities while relying almost entirely on the automobile for internal mobility, leading to worsening congestion and poor internal mobility. There is tremendous interest in improving internal pedestrian, bicycle, and transit mobility in such centers.

The Circulation Systems report identified candidate and priority projects for improving internal circulation. Out of 51 candidate projects identified, 34 were pedestrian or bicycle projects. Nine projects were selected as regional priorities using the following criteria:

- location in a regional activity center
- readiness for implementation
- included in a local plan
- safety

- air quality
- economic development
- households served
- employees served
- cost

Of the nine regional priority circulation projects, seven were wholly or partially pedestrian or bicycle projects.

The Greenways and Circulation Systems reports continue to serve as a resource for planners in the Washington region. They also represent the most recent statement of regional bicycle and pedestrian priorities, and a majority of the projects chosen as priorities have either been implemented or have been advanced significantly since the TCSP reports were issued. The TCSP selection criteria for regional priority have been incorporated into the information in the regional bicycle and pedestrian database.

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- safety
- air quality
- economic development
- households served
- employees served
- cost

The following projects were selected as regional priorities:

1. Downtown DC Circulator
2. New York Avenue Metro Station Access
3. Union Station Bike Station

4. Montgomery County CBD Shuttle Package
5. Rockville Town Center
6. Suitland Metro Area Bus and Pedestrian Improvements
7. Old Town Fairfax Redevelopment
8. Rosslyn Circle Crossing
9. Tysons Corner Pedestrian Improvements

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Federal and State Policies

US Department of Transportation guidance issued in 2000 calls for bicycling and walking facilities to be incorporated into all transportation projects unless exceptional circumstances exist. In 2003 the Virginia Department of Transportation released a policy that commits VDOT to routinely accommodating pedestrians and bicyclists as part of all new construction and reconstruction projects, unless exceptional circumstances exist. The State of Maryland's Bicycle and Pedestrian Access Act provides that "Access to and use of transportation facilities by pedestrians and bicycle riders shall be considered in all phases of transportation planning, including highway design, construction, reconstruction, and repair."[3] The Maryland Department of Transportation is to "work to ensure" that transportation options for pedestrians and bicycle riders will be enhanced and not negatively impacted by a project or improvement.

Virginia now requires "routine accommodation" of pedestrians and bicyclists in transportation projects

Federal and State policies have evolved, from not requiring (or in some cases prohibiting) the use of transportation funds for pedestrian or bicycle facilities, towards requiring the provision of such facilities. These new federal and state guidelines and policies will likely lead to an increase in the number of pedestrian and bicycle facilities provided, with more facilities provided as part of larger transportation projects rather than as stand-alone projects.

[3] Maryland Department of Transportation, *Twenty Year Bicycle and Pedestrian Access Master Plan*, October, 2002. p. 32.

Americans with Disabilities Act

The Americans with Disabilities Act (ADA) is a federal civil rights statute that prohibits discrimination against people who have disabilities. Under the ADA, designing and constructing facilities that are not usable by people with disabilities constitutes discrimination. Public rights of way, including pedestrian facilities, are required by federal law to be accessible to people with disabilities.

The ADA Requires that all New and Altered Pedestrian Facilities be made Accessible to the Handicapped

Both new and altered pedestrian facilities must be made accessible to persons with disabilities, including those who are blind or visually impaired. The courts have held that if a street is to be altered to make it more usable by the general public, it must also be made more usable for those with disabilities.

Government facilities which were in existence prior to the effective dates of the ADA and which have not been altered are not required to be in full compliance with facility standards developed for new construction and alterations. However, they must achieve 'program access.' That is, the program must, when viewed in its entirety, not deny people with disabilities access to government programs and services. For example, curb ramps may not be required at every existing walkway if a basic level of access to the pedestrian network can be achieved by other means, e.g., the use of a slightly longer route. Municipalities should develop plans for the installation of curb ramps and accessible signals such that pedestrian routes are, when viewed in their entirety, accessible to people who are blind or visually impaired within reasonable travel time limits. [4]

Design standards for the disabled, such as smoother surfaces, adequate width, and limits on cross-slope, are also beneficial for the non-disabled pedestrian. Good design for the disabled is good design for all.

SAFETEA-LU

Under the SAFETEA-LU (Safe, Accountable, Flexible, Efficient Transportation Equity Act: Legacy for Users) federal transportation bill signed in August 2005, bicycle and pedestrian projects remain broadly eligible for nearly all funding categories, either for projects incorporated into something larger, or for stand-alone bicycle and pedestrian projects. The bill authorizes $286 billion for highways and transit from 2005 through 2009, a 22% increase over the previous federal transportation bill, TEA-21.

[4] American Council for the Blind, *Pedestrian Safety Handbook: A Handbook for Advocates.* www.acb.org

Transportation Enhancements, half of which has historically been spent on bicycle or pedestrian projects, is funded nationally at a level of $3.25 billion over five years. The Recreational Trails Program sets aside $110 million for non-motorized trails. SAFETEA-LU also contains a number of high priority projects, sometimes known as legislative earmarks, many of which are bicycle or pedestrian projects.[5] Pedestrian and bicycle projects are *not*, however, limited to set-aside programs and high priority projects. They are broadly eligible for funding from highway and transit funds.

Safe Routes to School

Aside from the general increase in funding under SAFETEA-LU, the most important new set-aside for bicyclists and pedestrians is the Safe Routes to School Program (SRTS). The goals of the program are to enable and encourage children to walk and bike to school, improve safety, and reduce traffic and air pollution near schools. Eligible activities include both infrastructure and non-infrastructure projects. Infrastructure projects include bicycle parking, crosswalks, sidewalks, traffic calming, on and off-street bicycle facilities, etc. on any public road or trail in the vicinity of a school. Non-infrastructure projects include public awareness and outreach to encourage walking and bicycling to school, traffic education and enforcement near schools, student sessions, training, SRTS program managers, and a State Coordinator. Not less than 10% or more than 30% of SRTS funds must be set aside for non-infrastructure projects.

Funds will be administered by state departments of transportation, with 100% federal share – no local match required. Each state to receive funds in proportion to K-8 school enrollment, but not less than $1 million. The budget will grow from $54 million in 2005 to $183 million in 2009.

The Constrained Long Range Plan

The financially Constrained Long-Range Transportation Plan (CLRP) is a comprehensive plan of transportation projects and strategies that the TPB realistically anticipates can be implemented over the next 25 years. The region's transportation agencies and jurisdictions submit projects for the CLRP, which is developed and approved by the TPB. The CLRP is the primary vehicle for realizing the TPB's Vision and the States' long-range plans. Federal law requires that the CLRP be updated every four years; the most recent version was adopted in 2004. To receive federal funding, a transportation project in Metropolitan Washington must be included in the CLRP. Because funds must be reasonably anticipated to be available for all the projects in the CLRP, the CLRP is not a wish list, but a fairly realistic plan.

The CLRP identifies a few important bicycle projects, as well as discussing the actions of the Bicycle and Pedestrian Subcommittee to promote pedestrian and bicycle safety, walkable communities, and better professional development and training. Training in the requirements of the Americans with Disabilities Act with respect to pedestrian facilities has been a major emphasis.

[5] See www.bikeleague.org for further information on the Bicycle and Pedestrian provisions of SAFETEA-LU.

Bicycle and pedestrian projects in the 2005 CLRP are listed in Appendix C. Historically, less than 1% of the capital funding in the CLRP has been specifically for stand-alone bicycle and pedestrian projects. However, since bicycle and pedestrian projects are usually small projects, they are often added to the plan later than the major highway and transit projects. Moreover, much pedestrian and bicycle spending is subsumed within larger highway or transit projects, and thus is not reflected in the amount programmed for bicycle and pedestrian projects. Therefore, the CLRP may under-estimate the amount of bicycle and pedestrian spending that will occur over the next 25 years. State departments of transportation may also increase funding levels in the future as they implement policies to routinely accommodate pedestrians and bicyclists in all new transportation projects.

Under SAFETEA-LU bicyclists, pedestrians, and people with disabilities are explicitly required to be given an opportunity to comment on metropolitan transportation plans.

The Transportation Improvement Program

The Transportation Improvement Program (TIP) provides detailed information showing which projects in the CLRP will be completed over the next six-year period. The TIP is updated every year. Like the CLRP, the TIP is subject to federal review. Many projects in the TIP are staged, so a single CLRP project could end being split into multiple TIP projects.

Bicycle and pedestrian projects that use federal funds are listed in the TIP. For example, the Fiscal Year 2006-2011 TIP includes $122 million for bicycle and pedestrian projects. Of that, $69 million is programmed for FY 2006, which is 2.4 % of the total capital funds for all transportation projects programmed for FY 2006. As with the CLRP, funds spent on bicycle and pedestrian accommodations as part of a larger highway or transit project are often subsumed in budget of the larger project.

The Transportation Improvement Program includes $122 million for pedestrian and bicycle projects

Local Bicycle and Pedestrian Planning

Nearly every jurisdiction in the region has completed a bicycle or pedestrian plan, and most have at least part time bicycle or pedestrian planner. Table 1-2 shows local and state plans and studies and the year published Jurisdictions and agencies drew projects from these individual plans and submitted them for incorporation into the Regional Bicycle and Pedestrian Plan. Local plans may include unfunded projects.

Table 1-3: Major Bicycle and Pedestrian Plans and Studies Of the Washington Region

Jurisdiction/ Agency	Plan/Study	Year
Arlington County	Pedestrian Transportation Plan, Bicycle Transportation Plan	1997, 1994
City of Alexandria	Bicycle Transportation and Multi-Use Trail Plan	1998
District of Columbia	District of Columbia Bicycle Master Plan	2005
Fairfax County	Master Plan of Trails	2002
Frederick County	Frederick County Bikeways and Trails Plan	1999
City of Gaithersburg	Bikeways and Pedestrian Plan	1999
Loudoun County	Loudoun County Bicycle and Pedestrian Master Plan	2003
Maryland Department of Transportation	Twenty Year Bicycle and Pedestrian Access Master Plan	2002
MNCPPC – Prince George's County	Transportation Priority List (Joint Signature Letter)	1999
Montgomery County	Countywide Bikeways Functional Master Plan	2005
National Capital Planning Commission	Comprehensive Plan for the National Capital	2004
National Capital Region Transportation Planning Board	Priorities 2000: Metropolitan Washington Greenways & Circulation Systems, Bicycle Plan for the National Capital Region	2001, 1995
National Park Service	Paved Recreation Trails Plan	1990

Jurisdiction/ Agency	Plan/Study	Year
Prince William County	Thoroughfares Plan (part of Comprehensive Plan), Greenways and Trails Plan	1998, 1993
City of Rockville	Bicycle Master Plan	1998
Virginia Department of Transportation, Northern Virginia Office	Northern Virginia Regional Bikeway and Trail Network Study	2003

Table 1-4 shows the approximate number of full-time planners each agency has working on bicycle, pedestrian, and trails planning.

Table 1-4:
Agency Bicycle/Pedestrian Planning Staff
Full-Time Equivalents (FTE's)

Jurisdiction/ Agency	Bicycle Planner FTE's	Pedestrian Planner FTE's	Trails Planner FTE's
Arlington County	1	1	1
City of Gaithersburg	0.5		
City of Alexandria	0.5	0.5	
City of College Park	0.5		
City of Rockville	0.5	0.5	
District of Columbia	0.5	0.5	.5
Fairfax County	0.5	1	1

Jurisdiction/ Agency	Bicycle Planner FTE's	Pedestrian Planner FTE's	Trails Planner FTE's
Frederick County	0.5		
Loudoun County	0.5		
Maryland Department of Transportation	1	2	1
MNCPPC – Prince George's County	0.33	0.33	1
MNCPPC – Prince George's County			1
Montgomery County	1	1	1
National Capital Region Transportation Planning Board	0.5	0.5	
National Park Service			1
Prince William County			0.5
Virginia Department of Transportation, Northern Virginia Office	1.5	1.5	
WMATA	0.5	0.5	

Priority Unfunded Regional Bicycle and Pedestrian Projects

The Bicycle and Pedestrian Subcommittee periodically selects a short list of priority unfunded bicycle and pedestrian projects. These projects are selected from the TCSP reports, the regional bicycle plan, and from state and local plans. The subcommittee has compiled and forwarded lists

to TPB regularly since 1995, to be included in the solicitation document for the TIP/CLRP. In essence, the TPB urges the jurisdictions to consider funding these projects, which the Bicycle and Pedestrian Subcommittee has judged to be regionally significant.

The selection criteria for inclusion in this short list were drawn from those used in the TCSP "Greenways" and "Circulation Systems" reports. The following criteria were used:

- **Bicycle Network Connectivity:** priority was given to projects that enhanced connectivity of facilities on the regional bicycle facilities network.
- **Pedestrian Safety:** priority was given to projects that promoted pedestrian safety, especially in areas with documented pedestrian safety problems and no pending road project that could address them.
- **Access to Transit:** priority was given to projects that enhanced access to Metrorail stations and other major transit stops or facilities.
- **Time Frame:** all projects should be able to be completed by 2011, the end of the TIP time frame.
- **Local Support:** the project is a priority for the jurisdiction or jurisdictions in which it is located.
- **Still seeking funding:** the project does not yet have full construction funding committed to it.
- **Reasonable Cost:** the total cost of the list should be a reasonable fraction of the total spending in the region on highways and bridges.

While considerable weight is given to the preference of the representative of the jurisdiction, subcommittee members are urged to think in terms of the regional selection criteria when nominating projects.

Projects are dropped from the list when they receive funding, or if the subcommittee and nominating jurisdiction decide that priorities have changed. Most projects on past lists have been funded. Seven projects totaling $11,508,000 were funded from the 2000 list, and five projects from the 2002 list were fully or partially funded. Projects that have been funded include:

- The Metropolitan Branch Trail in Washington, D.C.
- Pedestrian and Bicycle Safety Improvements on Route 1 in Fairfax County
- The Dumfries Road (Route 234) Bike Path in Prince William County
- The Rosslyn Circle Crossing in Arlington County
- The Eisenhower Trail in Alexandria
- The Matthew Henson Trail in Montgomery County
- The Henson Creek Trail in Prince George's County
- The Rockville Millenium Trail in the City of Rockville

Regional Bicycle Plans

The Washington region completed its first major bicycle study, the Washington Regional Bikeways Study of 1977. This study, created with under the supervision of the Regional Bikeways Technical Subcommittee of the Transportation Planning Board Technical Committee, provided an overview of bicycling characteristics and the potential market for bicycle commuting.

In 1988 the Bicycle Technical Subcommittee began work on a bicycle element for incorporation into the region's transportation plan. The plan identified the extent to which bicycle facilities and planning processes already existed in the region, highlighted areas of concern for the future, and drafted a set of policy principles to be applied by the region's jurisdictions in updating their own transportation plans, as well as a list of recommended bicycle projects. The "Bicycle Element" was adopted by the Transportation Planning Board as part of the region's Constrained Long-Range Plan in November 1991.

In 1995, the Transportation Planning Board adopted an update to the 1991 Bicycle Element, the Bicycle Plan for the National Capital Region, as an amendment to the Constrained Long-Range Plan. The revised plan emphasized bicycling for transportation. The revised recommended project lists and policy principles were produced by the Bicycle Technical Subcommittee.

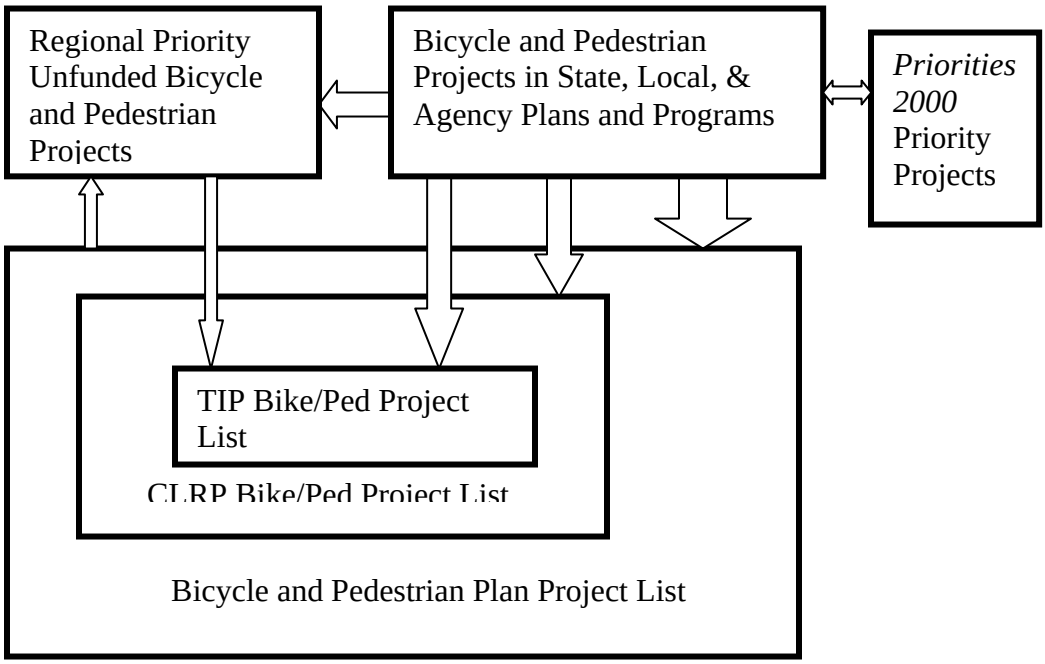
In February, 2001 the TPB completed the *Priorities 2000: Greenways* and *Circulation Systems* reports, which identified greenway and pedestrian circulation systems priorities.

Except for the *Priorities 2000* reports, predecessors to this plan were "bicycle" plans. This update to the previous plans fully incorporates pedestrian elements for the first time.

Sources of the Regional Plan Projects

State, local, and agency bicycle and pedestrian plans are the source of the projects in this plan. All bicycle and pedestrian projects that are programmed in the TIP are also in the CLRP and in this plan. The plan, however, includes many projects that are not in the TIP or the CLRP. The selection criteria from the Transportation Planning Board's *Priorities 2000: Circulations Systems* and *Greenways* reports helped determine the data included for each project in the bicycle and pedestrian plan project list. Figure 1-2 illustrates the relationships between the various project lists.

Figure 1-2



Outlook

The TPB has a continuing commitment to inclusion of both bicycle and pedestrian elements in long-range transportation plans. Bicycle and pedestrian plan elements in the regional plans are drawn from jurisdictional plans and policies. The regional Bicycle and Pedestrian Plan in turn will advise the choices made by TPB member agencies for the inclusion of bicycle and pedestrian projects in future Constrained Long Range Plans and Transportation Improvement Programs.

Overview

Residents of the Washington region walk and bicycle at about the same rate as the nation as a whole. Tables 2-1 and 2-2 show the share of walking and bicycling trips to work for the ten largest metropolitan areas.

	Table 2-1 Pedestrian Commuting in the Ten Largest Metropolitan Areas[1]	% Walk to Work
1	New York	5.55%
2	Boston	4.12%
3	Philadelphia	3.88%
4	San Francisco	3.25%
5	Chicago	3.13%
6	Washington	3.10%
7	Los Angeles	2.56%
8	Detroit	1.83%
9	Houston	1.62%
10	Dallas-Fort Worth	1.48%
	United States	2.93%

Nationally, 10% of all urban area trips are made on foot or by bike

Walking and bicycling are declining as modes of transportation both in the Washington region and nationally. Nationally, 0.38% of American workers bicycled to work in 2000, and 2.93% walked. In 1990 0.4% bicycled to work, and 3.9% walked. The number of people driving alone rose from 73.2% in 1990 to 75.7% in 2000, while use of public transportation fell by 0.5%. Driving has been growing, and walking and public transportation declining, for many decades. In 1960 9.9% of workers walked to work, but only 2.93% did so in 2000.[2]

	Table 2-2: Bicycle Commuting in the Ten Largest Metropolitan Areas	% Bike to Work
1	San Francisco	1.12%
2	Los Angeles	0.63%
3	Boston	0.38%
4	Philadelphia	0.33%
5	Chicago	0.31%
6	Houston	0.30%
7	New York	0.30%
8	Washington	0.30%
9	Detroit	0.18%
10	Dallas--Fort Worth	0.14%
	United States	0.38%

The walk and bike modes are more common, though, than the census commute mode numbers would lead one to believe. Work trips account for only 20% of all trips; walking and biking are more common for other purposes. Nationally, 9.5% of all urban area trips were made on foot, and 0.9% by bicycle in 2001. In the Mid-Atlantic region, 15.8% of all trips are made on foot, and 0.8% by bicycle.[3]

Regionally, bicycling and walking are concentrated in the core neighborhoods of the Washington region, especially areas near downtown D.C. and certain Metro stations, as well as college campuses and military bases. Walking is stable in those neighborhoods, and bicycling is growing. Walking is a significant mode throughout the region.

1 2000 US Census
2 1960 Census of Population, Characteristics of Population, United States Summary
3 Pucher, John, "Socioeconomics of Urban Travel: Evidence from the 2001 NHTS". *Transportation Quarterly,* Vol. 57, No. 3, Summer 2003 (49-77). Page 54.

Ethnicity, geography, age, and care ownership affect the decision to walk or bicycle to work. People living in the District of Columbia are far more likely to walk or bicycle to work than those living in Maryland or Virginia. People under the age of 35 or over the age of 65 are more likely to walk or bicycle to work. People living in households without cars are more likely to walk or bicycle than those that have one, and those living in households with only one car are more likely to walk or bicycle than those owning two. Middle-income groups are slightly less likely to walk or bicycle than either low income or the high-income groups. Hispanics are most likely to walk or bike to work.

Distance is a major barrier to commuter cycling, along with absence of safe routes, and lack of end-of-trip facilities such as showers and lockers.[4] However, most commute trips that are short enough to be bikable or walkable are still taken by car. The average trip distance to transit or carpool is very short.

Transit and walking are interdependent, with 80% of bus passengers and 60% of Metrorail passengers accessing the system on foot. Mode of access varies tremendously by Metro station. Bicycling to transit is less common and varies greatly by Metro station, with the lowest rates of bicycle access found east of the Anacostia river.

Walking and bicycling are most common in activity centers with a mix of jobs, housing, services, and recreation in a walkable environment.

Jurisdictional Trends according to the US Census

The national trend towards less walking and bicycling also holds for the Washington Metropolitan Statistical Area. In 1990, 6633 people (0.3 %) biked to work on an average day in the Washington area and 85,292 (3.9 %) walked. In 2000, 7,532 people (0.3%) biked to work and 72,700 (3.1%) walked. It should be noted that the census numbers tend to undercount pedestrian trips, since a walk trip to transit is counted as a transit trip, not as a walk trip. Charts 2-1 and 2-2 below show the changes in walking and biking to work by jurisdiction.

4 Metropolitan Washington Council of Governments, *2004 Bike to Work Day Survey- Summary of Results*, June, 2005. Page 6.

Chart 2-1: Percentage of Workers Walking to Work

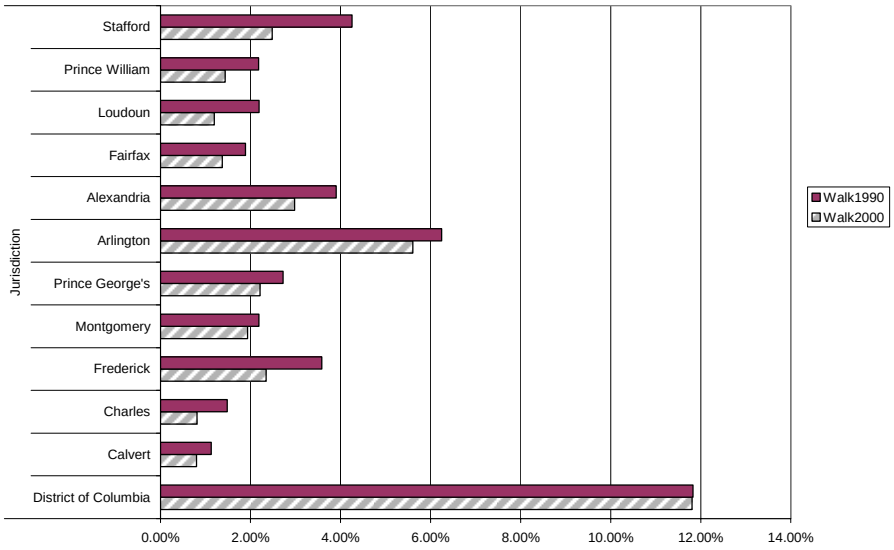
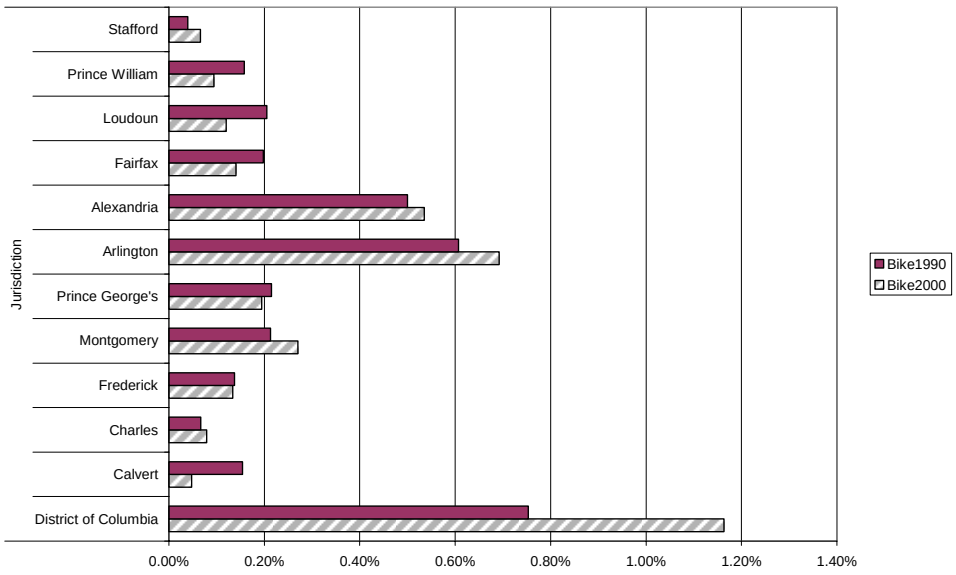


Chart 2-2: Percentage of Workers Biking to Work



Generally, the urban core of the Washington region, consisting of the District of Columbia, Arlington, and Alexandria, has experienced modest losses in pedestrian mode share and considerable gains in bicycling. The District of Columbia has maintained its pedestrian mode share for the journey to work, while increasing its bicycle mode share considerably. The outer suburban jurisdictions had relatively few people bicycling or walking to work in 1990, and that number fell further during the decade that followed.

Mode Share by Census Tract

Figure 2-1 shows the percentage of home-based work trips by bicycle for each census tract within the TPB member jurisdictions. Figure 2-3 shows the percentage of home-based work trips by foot. Figures 2-2 and 2-4 show bicycle and walk work trips respectively for the area served by Metrorail. The maps show that bicycling and walking are concentrated in the neighborhoods surrounding downtown D.C., Capitol Hill, and North Arlington. The neighborhoods closest to downtown show the highest walk mode shares, while those a little further out have the highest bike mode shares. Census tracts abutting major facilities such as the W&OD, the C&O, and the Mt. Vernon Trails tend to show higher levels of bicycling. College campuses and military bases such as University of Maryland, Ft. Meyers, Bolling Air Force Base, the National Institute of Health, Walter Reed, Howard, Georgetown and Gallaudet all have high walk or bike mode share.

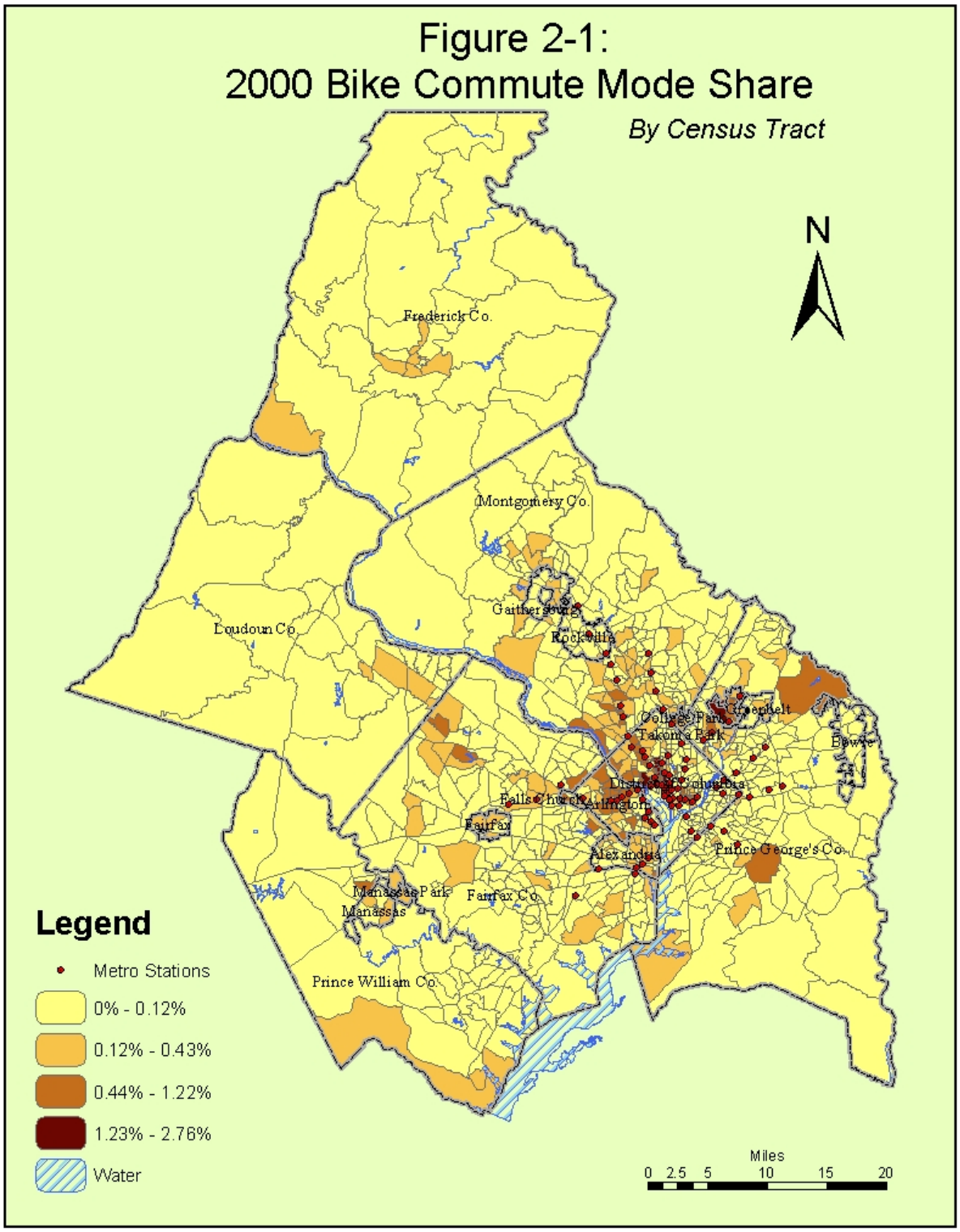


Figure 2-1:
2000 Bike Commute Mode Share
By Census Tract
N
Frederick Co.
Montgomery Co.
Loudoun Co.
Gaithersburg
Rockville
College Park
Takoma Park
Greenbelt
Bowie
Falls Church
Arlington
Fairfax
Alexandria
Prince George's Co.
Manassas Park
Manassas
Fairfax Co.
Prince William Co.
Legend
Metro Stations
0% - 0.12%
0.12% - 0.43%
0.44% - 1.22%
1.23% - 2.76%
Water
Miles
0 2.5 5 10 15 20

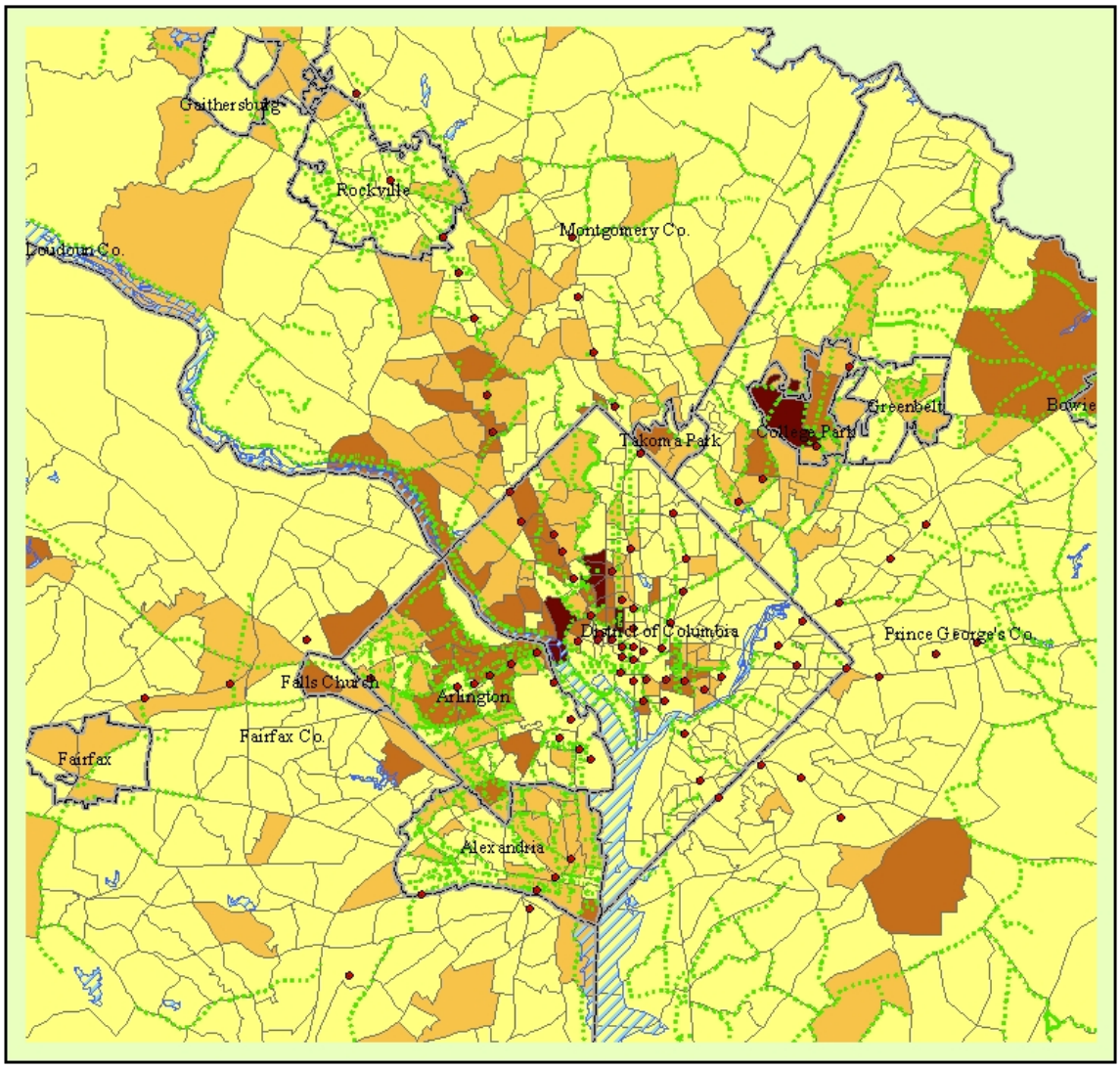


Figure 2-2:
2000 Bike Commute Mode Share
By Census Tract

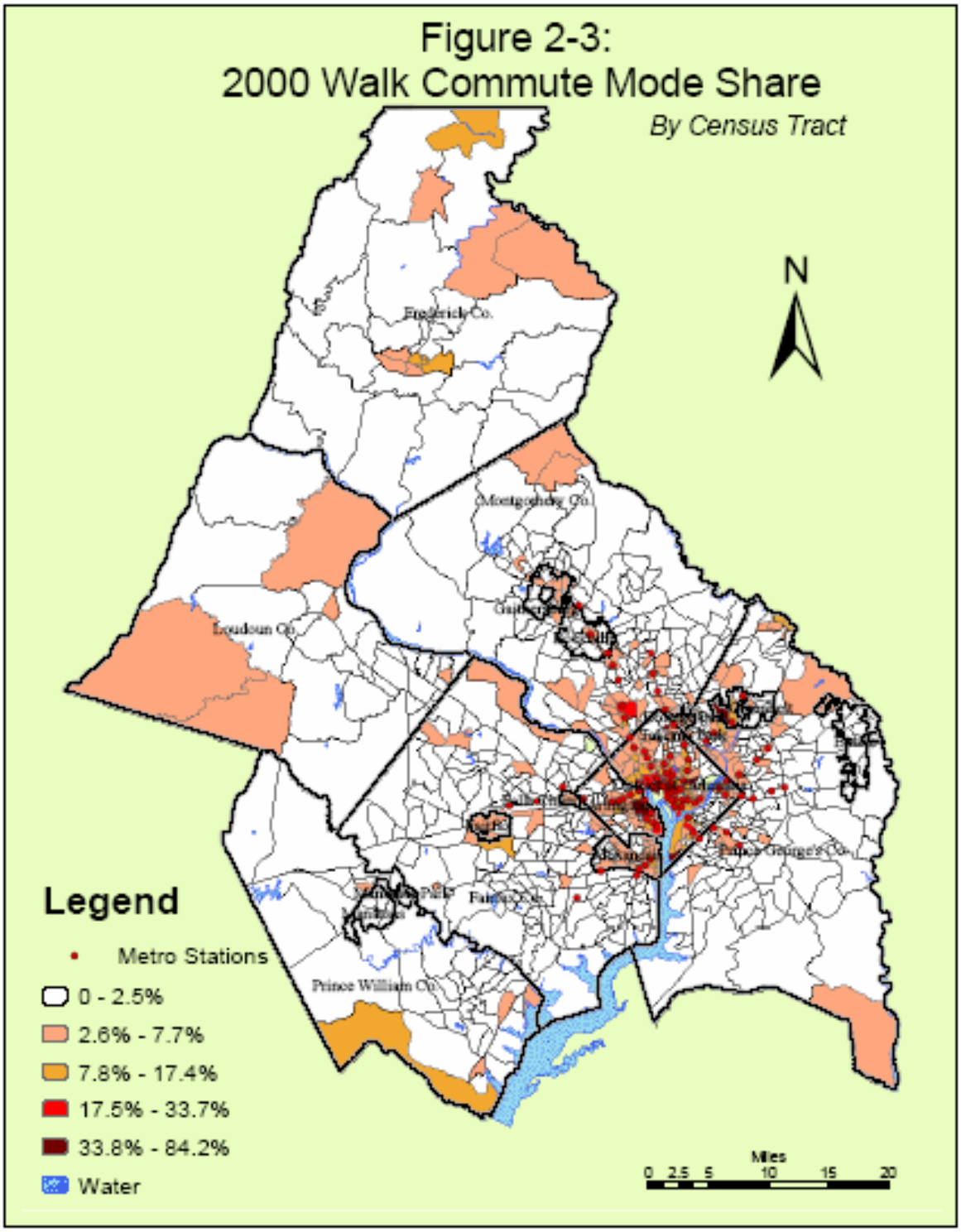


Figure 2-3:
2000 Walk Commute Mode Share
By Census Tract
N
Frederick Co.
Montgomery Co.
Loudoun Co.
Prince George's Co.
Fairfax Co.
Prince William Co.
Legend
Metro Stations
0 - 2.5%
2.6% - 7.7%
7.8% - 17.4%
17.5% - 33.7%
33.8% - 84.2%
Water
Miles
0 2.5 5 10 15 20

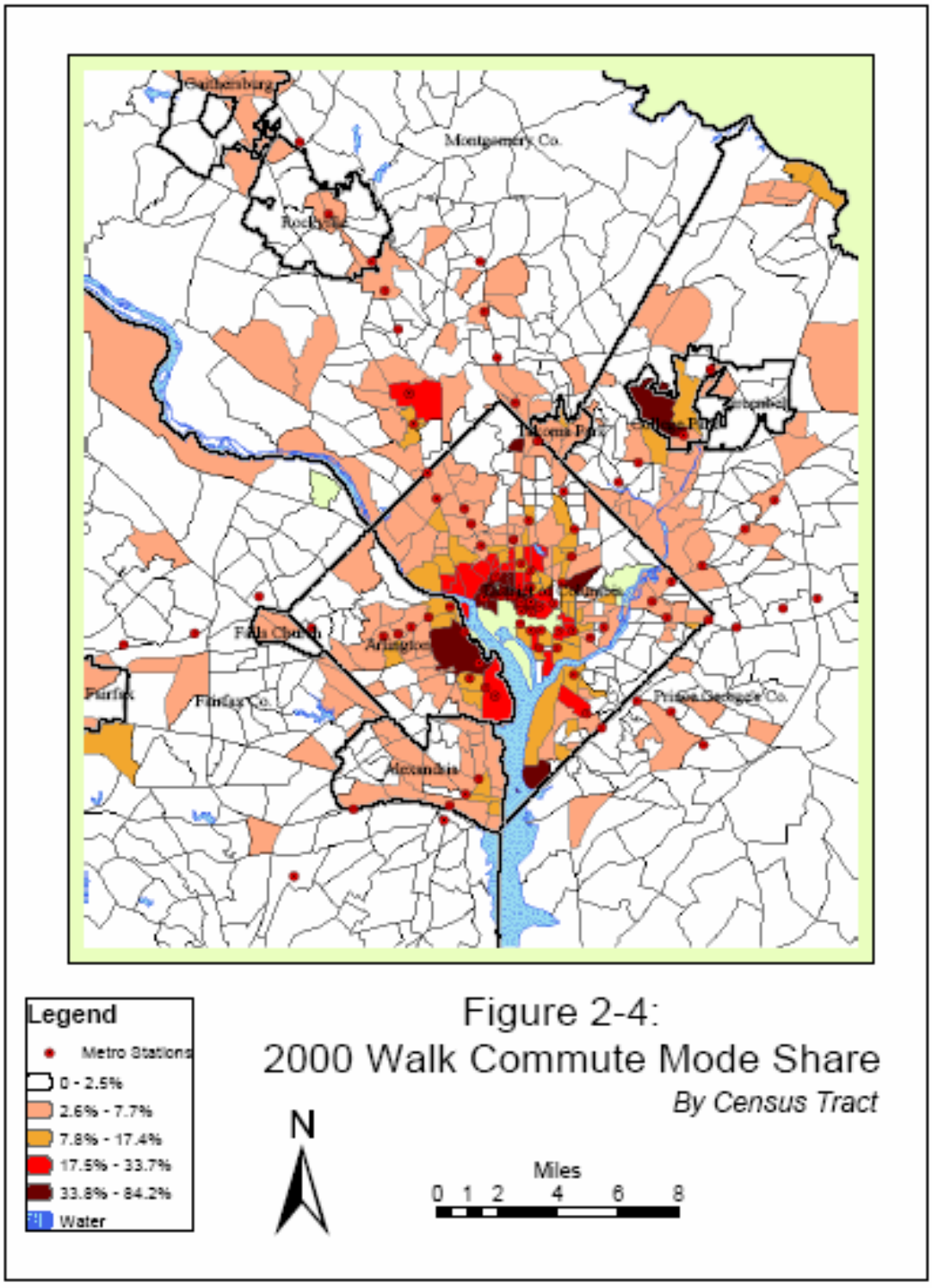


Figure 2-4:
2000 Walk Commute Mode Share
By Census Tract

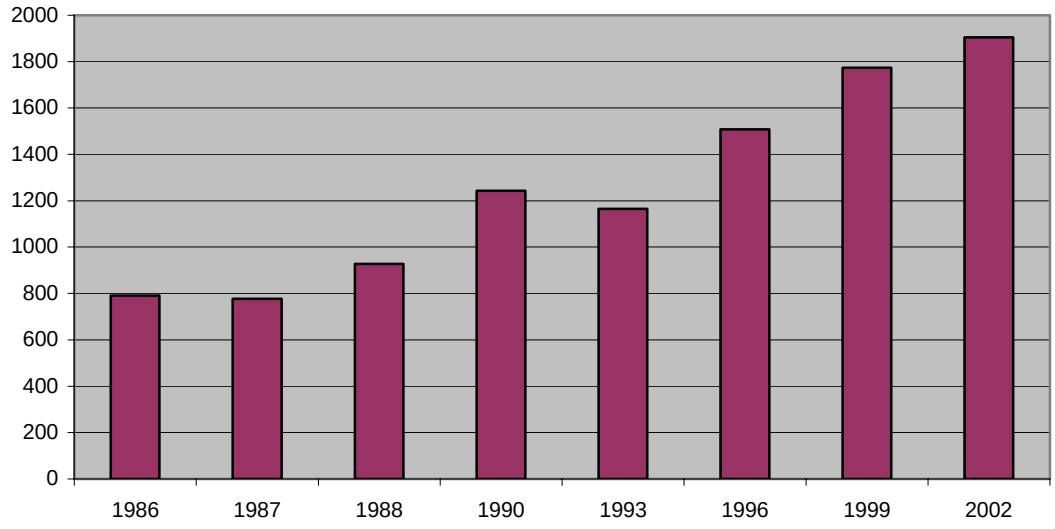
Bicycling in the Metro Core

COG periodically takes a count of vehicular traffic, including bicycle traffic but excluding pedestrian traffic, entering downtown D.C. and Arlington, as well as traffic crossing the beltway. Cordon counts are not done in other parts of the region. COG's cordon counts confirm the census data indicating a concentration of bicycling in the neighborhoods close to downtown D.C. and Arlington.

Bicycling is Growing Rapidly in Downtown D.C. and North Arlington

The counts show that bicycle traffic into the downtown Metro core is growing rapidly, with bicycle traffic into the D.C. section of the Metro core more than doubling from 1986 to 2002. The number of bicyclists entering the Metro core within the District of Columbia has grown steadily from 474 in 1986 to 1,379 in 2002. The number of cyclists crossing the Potomac bridges grew from 317 in 1986 to 525 in 2002. Bicycle traffic into the Arlington section of the Metro core increased from 409 to 645 bicyclists between 1999 and 2002, while Potomac bridge traffic declined slightly over the same period, indicating that more people are bicycling to destinations, probably employment, within Arlington in the morning. Chart 2-3 shows the number of bicycles entering the D.C. section of the Metro core from 1986 to 2002.

Chart 2-3:
Bicycles Entering D.C. Section of the Metro Core



Bicycle traffic is also counted on the beltway cordon, including traffic on shared-use paths, but the a.m. volumes recorded are a fraction of the numbers entering the Metro core. Table 2-5 in Appendix F shows the bicycle volumes recorded crossing the beltway in 1995, 1998, and 2001.

Demographic Characteristics of Pedestrians and Bicyclists

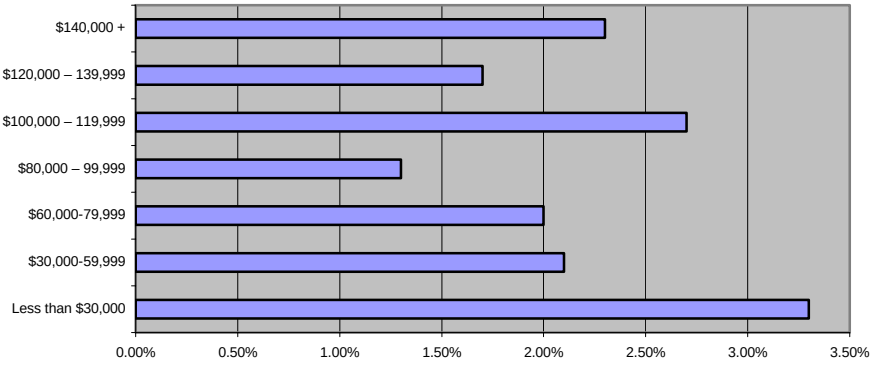
Ethnicity, geography, income, age, and car ownership affect the decision to walk or bicycle to work. The best recent source of this demographic information on pedestrian and bicycle commuters in the Washington region is the 2004 Commuter Connections State of the Commute (SOC) Survey. However, the State of the Commute Survey and the US Census both measure work trips only, and the conclusions in terms of both the prevalence and distribution of walking and bicycling can be quite different for all trips than for work trips. Nationally, the 2001 National Household Personal Transportation Survey is the best source of data demographic data on pedestrians and bicyclists for all types of trips.

All data in the following tables comes from the 2004 State of the Commute Survey unless otherwise noted. Walking and bicycling were not calculated separately in the State of the Commute Survey for the subcategories of ethnicity, income, age, and state of residence due to sample size issues. All mode shares are for primary commute mode, 3+ days per week. Walk/bike mode share varies by household income, state of residence, number of vehicles in the household, ethnicity, and age. Both the 2001 and the 2004 State of the Commute Surveys show lower mode share for walking and bicycling than does the 2000 Census, a discrepancy probably explained by differing methodologies.

A. Household Income

Chart 2-4 shows walking and bicycling commute mode share by income. Walking and bicycling to work are somewhat more prevalent among the low-income (less than $30,000 household income per year) than among the very high-income (more than $140,000 per year). Bicycling and walking are slightly more common at the top and the bottom of the income distribution than in the middle. This is roughly consistent with the national data for all trips.

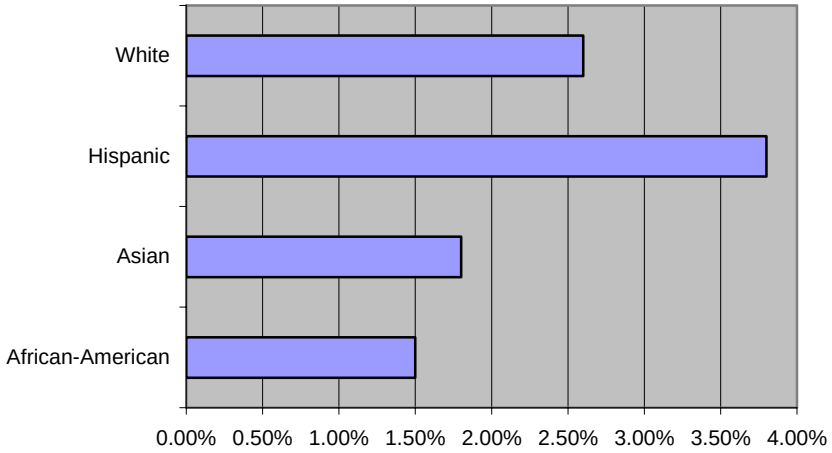
Chart 2-4: Walk/Bike Commute Mode Share by Annual Household Income



B. Ethnicity

Walk/bike commute mode share differs more by ethnicity than by income. Hispanics have the highest walk/bike mode share at 3.8%, African-Americans the lowest at 1.5%.

Chart 2-5: Walk/Bike Commute Mode Share by Ethnicity



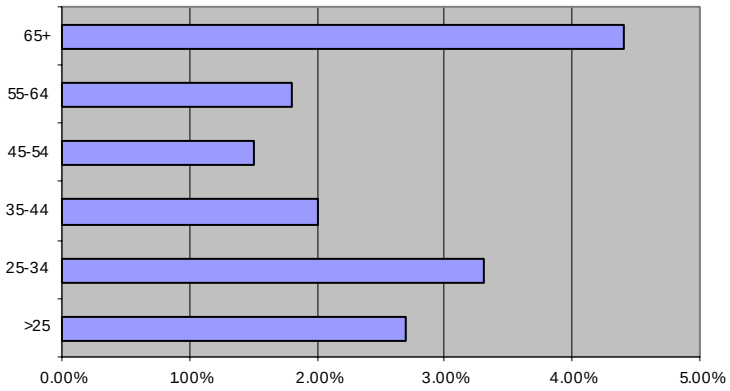
National data for all trips, however, show African-Americans and Hispanics both walking for about 12% of all trips, though African-Americans bicycle less. Whites walk less than any other ethnic group, but take 0.9% of their trips by bike, the same as Hispanics.[5]

C. Age

Chart 2-6 shows walk/bike commute mode share by age. People under 35 and over 65 are more likely to walk or bike to work than the middle-aged. Nationally the elderly have a lower than average mode share for bicycling, so we can presume that most of the elderly are walking rather than bicycling.

5 Ibid, p. 68.

Chart 2-6: Walk/Bike Commute Mode Share by Age



D. State of Residence

State of residence strongly predicts the likelihood of walking or bicycling to work, with 8.7% of District of Columbia residents walking or bicycling, versus 1.4% of Maryland residents and 1.5% of Virginia residents. District of Columbia residents are much less likely to own cars than Virginia or Maryland residents, are more likely to be low-income, and tend to live closer to transit or within walking distance of work.

E. Motor Vehicles per Household

Vehicles per household is another strong predictor, as shown in Table 2-6. People in households without any vehicles are much more likely to walk or bike to work than households that own one, while those living in households with one vehicle are more likely to walk or bicycle to work than those owning more than one vehicle. Non-work trips also shift radically away from walking in households that have at least one car.

Table 2-6
Walk/Bike Mode Share by Number of Vehicles

Number of Vehicles in the Household	0	1	2	3	4+
Walk/Bike Commute Mode Share	11.40%	3.70%	1.20%	1.40%	0.60%
Walk Mode Share – All Trips (NPTS)[6]	41.1%	12.5%	7.8%	6.3% (3 or more)	
Bike Mode Share – All Trips (NPTS)	2.4%	0.7%	0.9%	0.8% (3 or more)	

6 Ibid, p. 57.

Trip Distances

Distance was the third most frequently cited reason, by 31% of respondents, to COG's Bike to Work Day survey to explain why they were *not* riding to work. Reasons One and Two were "Don't like to ride in rain/cold/hot weather" (42%) and "No safe route" (35%). So trip distance is of great interest when gauging the potential for increasing bicycling (or walking). The 2004 SOC survey asked respondents about the length of their commutes. Commute mileage is shown in Table 2-7 below.

Table 2-7: Commute Distance

Distance	Less than 5 miles	5 to 9 miles	10 to 14 miles	15 to 19 miles	20+ miles
Percentage	17%	19%	18%	13%	34%

The mean commute distance in the Washington region is 16.2 miles. However, 17% of commutes in the Washington region are less than ten miles and therefore potentially bikable on a daily basis.

Another major potential source of walk or bike trips is the trip to transit, park and ride lot, or vanpool or carpool pick-up point. As shown in Table 2-8, access trips to alternative mode meetings points tended to be short. Respondents traveled an average of 3.1 miles. The majority of respondents (59%) traveled one mile or less to the meeting point. Another 26% said they traveled between two and five miles. Only 15% of respondents traveled more than five miles.

Table 2-8
Distance Traveled from Home to Alternative Mode Meeting Point
(n=1,230)

Distance	Percentage
1 mile or less	59%
2 miles	10%
3 miles	7%
4 to 5 miles	9%
6 to 10 miles	10%
11 miles or more	5%

Table 2-9
Means of Getting from Home to Alternative Mode Meeting/Transfer Point
(n=1,577)

Access Mode to Alternative Mode	**Percentage**
Walk	39%
Picked up at home	15%
Drive to a central location (e.g., Park & Ride)	18%
Drive alone to driver's/passenger's home	11%
Bus/transit	9%
I am the carpool/vanpool driver	5%
Dropped off/another CP/VP	1%
Other*	1%

Based on the distances being traveled, many of the 29% of respondents who are currently driving to their alternative mode meeting point might be able to walk or bicycle instead.

Non-Work Trips: The COG Household Travel Survey

In order to calibrate the regional travel demand model, the Council of Governments conducts periodic surveys of travel behavior, including trips for purposes other than work. The most recent surveys that include bicycle and pedestrian data were conducted in 1988, 1994 and in 1999.

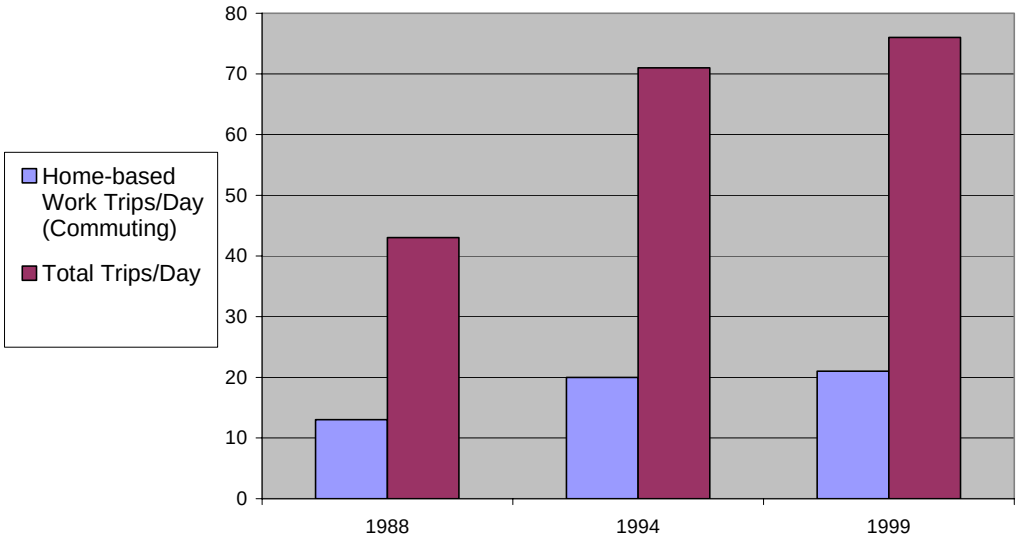
These surveys use a much smaller sample of the region's residents than the Census. In 1994, 4800 households were surveyed about their travel behavior (out of a Metropolitan population of roughly 4 million). In 1999, only 2000 were sampled.

The advantage of the Household Travel Survey is that we learn about trips of all purposes, not just work trips. The Census and the State of the Commute Survey give us information about commute trips only. The disadvantage is that only the 1994 sample size was large enough to provide reliable information about bicycling and walking. Another household travel survey with a sample size comparable to the 1994 survey will be carried out in 2006-2007.

According to Chart 2-7 bicycle trips nearly doubled from 1988 to 1999. However, this increase coincides with an increase in population and employment in the region. In those 11 years the population increased an estimated 17% and the number of jobs increased 14%. Another important factor in the apparent increase is the difference in survey methodology between 1988 and 1994. A greater effort was made to gather bicycle and pedestrian trips in 1994 and 1999.

From 1994 to 1999 bicycle trips as a portion of total trips for all modes remained about the same: 0.5 % for all trip purposes and 0.7% for work trips.

Chart 2-7: Estimated Bicycle Trips from the COG Household Travel Survey (thousands of trips/day)



The number of pedestrian trips is higher than for bicycle trips. In the 1994 Household Travel Survey, we found that 7.8% of all trips were on foot, and that walking accounted for 3.1% of work trips. The 1988 Household Travel Survey only asked about work trips, and this data does not include walking to transit.

In 1994 three fourths of all trips in the Washington region were for purposes other than work, and those trips were relatively short trips, averaging between four and six miles in length.[7] More than 80% of those non-work trips were auto trips, and another 4% were school bus trips.

7 *1994 COG/TPB Household Travel Survey: Summary of Major Findings*. January, 1998. Metropolitan Washington Council of Governnments, page 5.

Walking and Bicycling to Transit

Walking is the dominant mode of access to transit. The census walk to work mode share does not include walk trips to transit, since a walk trip to transit is counted as a transit trip rather than as a walk trip. In areas with high transit ridership the census walk to work numbers significantly undercount the amount of walking to or from work. According to the 2004 State of the Commute Survey, 83% of bus commuters walk to the bus.[8]

In 2002 WMATA surveyed passengers at all 83 of its Metrorail stations. The primary purpose of the survey was to estimate the percentage of total ridership residing in each jurisdiction. Passengers *entering* each Metro station were queried throughout the entire day, so the "mode of access" number for any give Metro station includes both people on their way to work or some other destination, and those on their way home. "Mode of Access" is the mode people use to get to the station, not to leave it.

61% of Metrorail Passengers Walk to the Station

Table 2-10 in Appendix G and Table 2-11 in Appendix H show the number of passengers who arrived at each station on a given day by bicycle, on foot, and by all modes put together. On average, 60.74% of all Metrorail passengers walked to the station, while only 0.31% arrived by bicycle. 15% parked and rode.[9] 5% were dropped off by someone, and another 11% arrived at the Metro station by bus. "Mode of Access" by foot numbers are higher than the number of commuters who report getting to Metro on foot in the 2004 State of the Commute Survey, because "mode of access" to any given station includes people who are returning *from* work. Another likely reason for the difference is that the State of the Commute Survey includes only those using Metro for commuting, while the Passenger Rail Survey includes those using Metrorail for all purposes.

Mode of access varies enormously by station, from Federal Center, with 94.2% access by foot, to Branch Avenue, with 0.9% access by foot. The top thirty stations for pedestrian access (as a percentage of total passengers accessing that station) are all located in the District of Columbia, Arlington, or Alexandria. Stations with a very high share of pedestrians tend to be major employment centers, with people are walking from work to the station, rather than from home to the station. However, largely residential-area stations such as Woodley Park, Cleveland Park, Eastern Market, and Columbia Heights are found in the top thirty. Dense, mixed-use areas such as Bethesda, Foggy Bottom, Crystal City, Pentagon City, Friendship Heights, Van Ness, Dupont Circle, Shaw, and the

8 *2004 State of the Commute Survey Results*. Metropolitan Washington Council of Governments, p. 63.
9 2002 WMATA Rail Passenger Survey, WB&A Market Research, from the table "Origin Station by Mode of Access".

Rosslyn-Ballston Corridor have high percentages of pedestrian access as well.

The bicycle mode of access to transit, according to the 2002 WMATA Rail Passenger Survey, was 0.31%, and ranged from 3% at College Park to zero at 23 stations. Stations with more bicycling tended to be located in the western portion of the region, have access to a major shared-use path, be near a major University, and/or be located in an area with a bicycle-friendly street grid. Stations with no bicycling are either in dense urban employment centers with no bicycle parking, or are located in the eastern portion of the region. Of the 14 Metro stations located east of the Anacostia River in 2002, ten had no bicycle use at all. All stations in Fairfax and Montgomery Counties had some bicycle use. The WMATA rail passenger survey confirms what the census tells us about the distribution of walking and bicycling in the region, with walking and bicycling heavily concentrated in the Metro core and at certain inner suburban stations.

Outlook

Walking and bicycling taken together are significant travel modes in the Washington region, especially for non-work trips, and for trips to transit. Walking is the larger mode, but it is shrinking, while cycling is less common and is stable at the regional level.

Growth in Walking and Bicycling will likely occur in the Urban Core and Regional Activity Centers

Commutes are getting longer across the region, and the fastest population growth taking place in outer jurisdictions that have low and declining levels of walking and bicycling. Those areas have developed in ways that make utilitarian walking and bicycling difficult and dangerous, with long distances, lack of direct routes, heavy, fast automobile traffic, and incomplete facilities for walking or bicycling.

The story in the urban core, however, is different. In the District of Columbia, Arlington, Alexandria, and portions of Montgomery County, walking is holding its own, while bicycling is expanding rapidly. Where one finds mixed-use activity centers, one finds a lot of people walking and bicycling. Where land uses are separated and development densities are lower, walking and bicycling are less common.

It is likely that the urban core and inner suburban communities will develop over the next thirty years ways that will be conducive to walking and bicycling.. Many inner suburban activity centers have already reached critical levels of traffic congestion. Land values in the inner jurisdictions have been rising rapidly, and regional projections call for rapid employment growth in these same areas. 80% of the region's employment is currently

found within a series of "regional activity centers", or concentrations of employment and housing identified by the TPB. Seventy percent of regional employment growth to 2030 is planned to take place within or directly adjacent to those centers, as well as thirty-six percent of household growth.[10] Under current zoning, far more workers are projected to arrive in the region than there will be homes built for them, and transport links will not be adequate for them to commute from outside the region.[11] The COG Board of Directors has concluded that some land will need to be replanned and re-zoned to accommodate sufficient housing to meet employment projections. If redevelopment occurs in ways that are consistent with the TPB Vision, creating activity centers that mix jobs, housing and services in a walkable environment, there will be more walking and biking.

10 www.mwcog.org/planning
11 Metropolitan Washington Council of Governments, ***Growth Trends to 2030: Cooperative Forecasting in the Washington Region,*** October, 2005. Pp. 2, 14-15.

Data Sources

Major sources of data for bicycling and walking in the Washington region include the US Census, the Commuter Connections State of the Commute Survey, the 1994 COG household travel survey, COG's cordon counts, pedestrian and bicycle crash data from the Departments of Transportation, WMATA's 2002 Rail Passenger Survey, and the 2004 Bike to Work Day Survey.

A. 2000 US Census

The most fine-grained data on travel behavior comes from the Census. Every 10 years the Census Bureau asks roughly one in seven individuals (those who fill out the 'long form') how they get to work. People are polled at their home, not at their place of work. The most recent data available is from the 2000 Census. The biggest limitation of the Census data is that it only contains commute trips. Only one quarter of all trips in the Washington region are commute trips.[12] However, commute trips occur at the most congested time of day.

B. 2002 COG Cordon Counts

COG's cordon counts are conducted by machine or in person, on specific roads or trails. In cordon counts, COG counts the volume of traffic crossing a series of points along an imaginary circle. For example, one cordon line is the Capital Beltway. At approximately 60 points along the Beltway, COG counts all vehicles crossing over or under the Beltway. Another cordon line is known as the Metro Core, circling downtown DC and part of Arlington. Counts take place on a single day, so results may vary widely depending on weather, transportation incidents, security emergencies, or other factors. Pedestrians are not counted. Bicyclists crossing the cordon line may or may not be commuters; they are counted but not stopped or asked their trip purpose. In most cases the numbers represent only one day of counting and can not be viewed as a daily average.

C. 2004 Commuter Connections State of the Commuter Survey

The State of the Commute (SOC) survey is a random sample survey of 7,200 employed persons in the 12 counties and four independent cities of the Washington Metropolitan designated non-attainment region. Commuter Connections commissions this survey in order to evaluate the effectiveness of its programs. The region polled is the Washington

12 National Capital Region Transportation Planning Board, *1994 COG/TPB Household Travel Survey: Summary of Major Findings*. January, 1998. Page 4.

Metropolitan Statistical Area, shown in figure i-1 on page i-4. The sample size of the State of the Commute Survey permitted the calculation of walk/bike mode shares by annual income, ethnicity, age, and state of residence.

The SOC survey does not provide any information on non-work trips. Surveys were carried out from February 7th to May 2nd, 2004, by telephone, and asked about behavior "last week". This methodology differs somewhat from U.S. Census, which asks about behavior during the first week in April. The 2001 and 2004 SOC surveys show lower numbers for walking and bicycling than does the census.

D. 1994 COG Household Travel Survey

In 1994 consultants for the Metropolitan Washington Council of Governments conducted a survey of more than 11,000 persons in 4,800 households throughout the Metropolitan Washington region, about trips made on a randomly assigned weekday for their household. The survey was conducted in two waves, the first in May and June of 1994, the second in October and November of 1994. In each wave of the survey randomly selected Washington area households were contacted by telephone and asked to participate in a one-day travel survey. Those households agreeing to participate were sent a travel survey packet containing information on the survey and a travel diary for each member of the household age 5 and older. Instructions in the survey packet asked all eligible household members, age 5 or more, to record in the enclosed travel diaries all trips made on a specific weekday that had been randomly selected for their household. Reminder cards were sent and phone calls made. Then beginning on the day after the travel day consultant staff began calling each participant household to obtain a telephone report of all trips made by each household member on the household's travel survey day. The net response rate was 40%.

The data collected in the COG Household Travel Survey is used to develop an understanding of the basic factors that determine the amount and nature of daily travel in the Metropolitan region. They are also used to predict changes in daily travel patterns in response to current development trends and changes in regional transportation policies and programs.

E. 2002 WMATA Rail Passenger Survey

WMATA carried out a survey of rail passengers in 2002. Surveys were carried out between April 8 and May 22, 2002. Data were collected for the full day, divided into a.m. and p.m. peak and off-peak periods. Subjects were interviewed in Metro rail stations. The primary purpose of the survey was to allow WMATA to estimate the percentage of total ridership residing in jurisdiction. However, the survey also asked riders what mode of transportation they used to access or egress the station. 57,700 responses were gathered.

F. 2004 Bike to Work Day Survey

The Bike to Work Day survey is a survey of participants in the regional Bike to Work Day of May 7, 2004. It is not a random sample, but it provides a portrait of a self-selected group of cyclists. In November, 2004 COG mailed surveys to all 4,200 registered participants, and got back 1,240 completed surveys, a response rate of 30%.

Participants in Bike to Work Day often rode considerable distances for the event, with 18% riding 10-15 miles, and another 12% riding more than 15 miles. However, the post-ride survey indicates that people may be willing to ride farther for a one-day event than they will on a daily basis. Several months after the event participants were asked if they still biked to work, and if not why not. Of the 354 respondents who did not continue riding to work after participating in Bike to Work Day, 42% cited weather, while another 35% cited lack of a safe route, 31% cited distance, 18% cited lack of showers or changing facilities, 10% cited lack of bike parking/storage, and 8% cited the need for a car to take care of personal business.

Overview

Pedestrian and bicycle fatalities and injuries are a serious problem in the Washington region. Nearly a quarter of all traffic fatalities in the region are pedestrian or cyclist. Every jurisdiction has a significant pedestrian safety problem. Pedestrian and bicyclist fatalities account at least 10% of total traffic fatalities in every major jurisdiction.

While are areas and demographic groups are affected, some groups are more affected than others. Urban areas and inner suburban areas are more heavily affected than the outer suburbs, Hispanics and African-Americans more than Whites and Asians.

This section will describe the scope of the pedestrian and bicycle safety problem, its distribution across the region by jurisdiction and ethnicity, and the legal rights and responsibilities of drivers, pedestrians, and bicyclists. It will also discuss the region's efforts to deal with the problem through the "Street Smart" pedestrian and bicycle safety campaign.

The Scope of the Problem

Pedestrian safety is a major problem nationally and in the Metropolitan Washington region. Of 42,643 traffic fatalities in the United States in 2003, 4,749, or about 11%, were pedestrians. [1] Urban areas have higher pedestrian fatality rates than rural areas. The Washington-Baltimore region ranks 22nd out of the 50 largest metropolitan areas in terms of pedestrian deaths per capita.

Pedestrians and bicyclists account for nearly a quarter of those killed on the roads in the Washington region. Over 2600 pedestrians and bicyclists are injured every year, and 89 are killed. On average, there are 370 traffic fatalities per year in the Washington region.[2] Chart 3-1 shows average annual pedestrian and bicycle fatalities in the Washington Region, as a proportion of total traffic fatalities.

[1] www.nhtsa.dot.gov

[2] Regional totals compiled from data provided by the District Department of Transportation, the Maryland Office of Highway Safety, and the Virginia Department of Motor Vehicles.

Chart 3-1: Average Annual Pedestrian and Bicyclist Fatalities in the Washington Region, 1994-2004

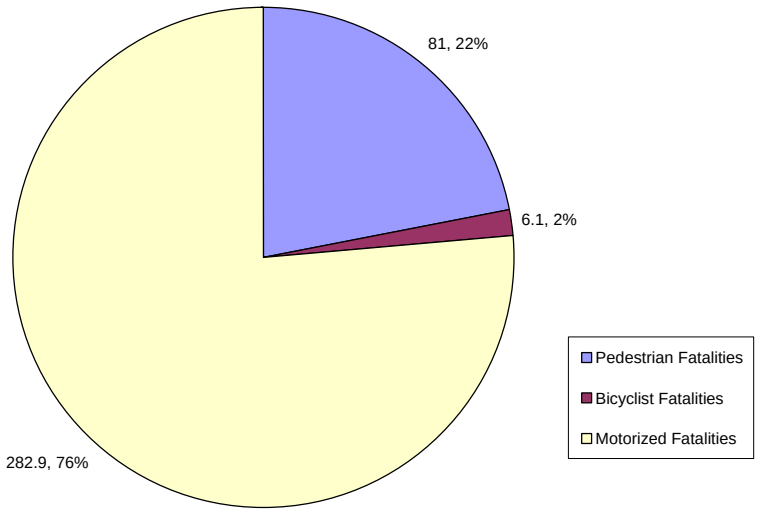
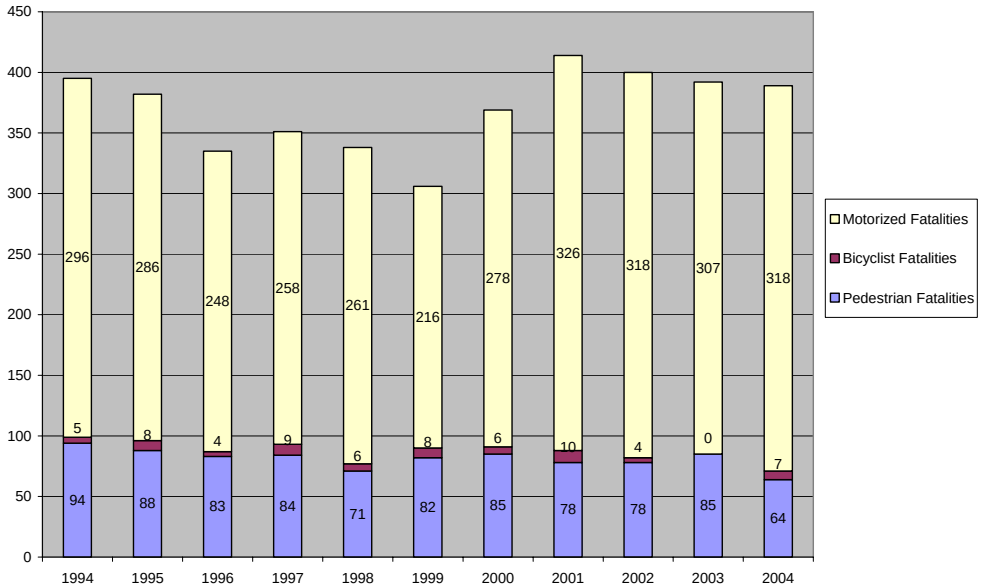


Chart 3-2 shows the yearly variations in traffic fatalities from 1994-2004. Overall traffic fatalities were stable, and pedestrian and bicycle fatalities showed a slight downward trend. However, population and vehicle-miles traveled rose significantly during the period, while the mode share of walking fell.

Chart 3-2: Pedestrian, Bicyclist, and Motorized Traffic Fatalities in the Washington Region, 1994-2004

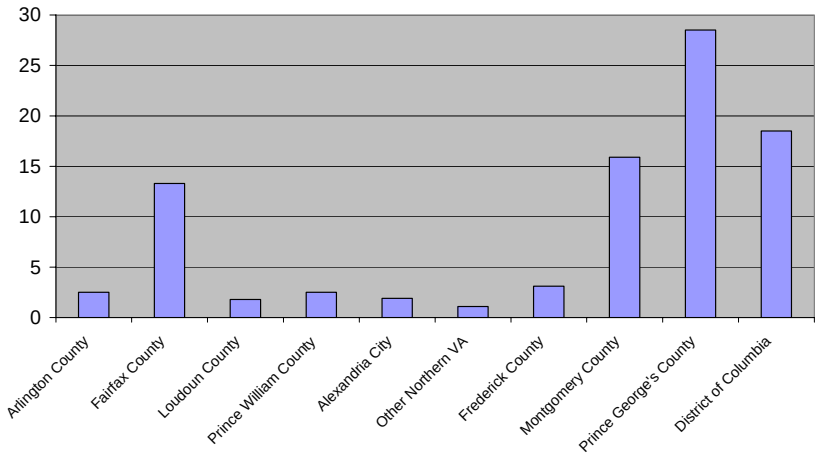


Pedestrian injuries exact a steep toll as well. Of the approximately 3000 persons hit by motor vehicles every year in the region, 90% suffer some sort of injury. Approximately 500 injured pedestrians every year require more than 24 hours of hospitalization, which at an average cost of about $25,000 leads to more that $12 million in hospitalization charges alone.[3] This is probably only a fraction of the total financial costs, which would include costs for those hospitalized for less than 24 hours, further medical care, disability, and lost time at work. Many of the people being hit can ill afford such a setback.

Distribution of Pedestrian and Bicycle Fatalities by Jurisdiction

The region is often divided into an urban core, consisting of Arlington, Alexandria and the District of Columbia, the inner suburbs of Fairfax, Montgomery, and Prince George's Counties, and the outer suburbs, such as Frederick, Loudoun, and Prince William Counties. Manassas, Manassas Park, the City of Falls Church, and the City of Fairfax are shown as "Other Northern Virginia".[4] Outer suburban jurisdictions had fewer pedestrian fatalities than inner jurisdictions, as seen in Chart 3-3.

Chart 3-3:
Average Annual Pedestrian and Bicyclist Fatalities, 1994-2003



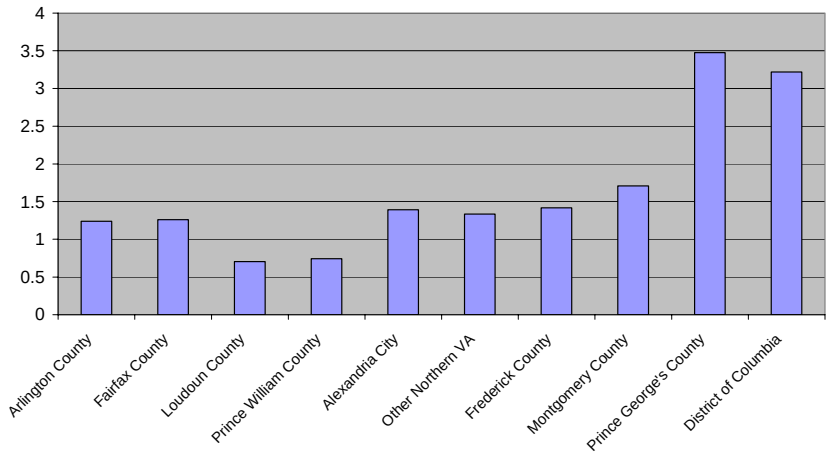
Even when calculated as a rate per 100,000 population, outer suburban jurisdictions had lower fatality rates than inner jurisdictions, a difference that probably reflects the lower pedestrian and bicycle mode share of the outer jurisdictions, as well as a daytime

[3] Northern Virginia Injury Prevention Prevention Center, INOVA Regional Trauma Center (2005). *Pedestrian Injury in the Washington, D.C. Metropolitan Region.* Page 37.
[4] Towns in Northern Virginia are not included in the surrounding Counties; their traffic fatalities are tallied separately.

population in the District of Columbia nearly twice as high as its resident population. Pedestrian and bicycle fatality rates in each jurisdiction are shown in Chart 3-4.

However, even the outer suburban jurisdictions have a serious pedestrian safety problem. In no major jurisdiction were pedestrian and bicyclist fatalities less than 10% of total traffic fatalities.

Chart 3-4:
Average Annual Pedestrian and Bicyclist Fatalities Per 100,000 people, 1994-2003



Walking and bicycling appear to be safer in the urban core than in the inner or outer suburbs. The rate of pedestrian fatalities does not directly correspond to the number of people walking. Urban core residents are four to six times as likely to walk to work as outer jurisdiction residents, but are only twice as likely to be killed in a pedestrian or bicycle crash. And as previously noted, the urban core's fatality numbers probably include many non-resident workers and tourists. The urban core has good pedestrian facilities, low traffic speeds, and drivers expect to see pedestrians and bicyclists.

Hispanics are three times as likely as Whites to be hospitalized for a Pedestrian Injury

There are large differences in the rates of hospitalization for pedestrian injury by ethnicity. The rate of hospitalization/100,000 population for pedestrian injuries for Hispanics is nearly three times as high as that for Whites, and twice that for African-Americans. [5]

Pedestrians Find Safety in Numbers

Geographically, the highest rates of hospitalization are found in the area east of the Anacostia river in the District of Columbia, most of Prince George's County inside the beltway, the Columbia Pike corridor in Arlington, the area between Fairfax City and Falls Church in Fairfax County, and Dumfries in Prince William County.[6]

[5] Northern Virginia Injury Prevention Prevention Center, INOVA Regional Trauma Center (2005). *Pedestrian Injury in the Washington, D.C. Metropolitan Region.* Page 35.

Other things equal the pedestrian crash rate tends to fall as the number of pedestrians at a location increases. There is safety in numbers. Doubling the number of pedestrians at an intersection already crowded with pedestrians will usually result in little, if any increase in pedestrian crashes.[7] Similar effects have been noted for cyclists, with cities having the highest rates of bicycling also having the lowest crash rate per bicycle trip.[8] If more people walk and bike it will become safer, especially if facilities are improved and other measures are taken to improve pedestrian and bicycle safety. High levels of walking and bicycling are associated, in advanced industrialized nations, with very low auto-involved crash rates.[9] Holland has half the overall traffic fatality rate of the United States, despite a very high walk and bike mode share.

Experience of other nations shows that it is possible to reduce pedestrian and bicycle fatalities while increasing walking and bicycling. On the other hand, it is not possible to eliminate pedestrian fatalities by eliminating pedestrian facilities and discouraging walking – even our least pedestrian-oriented jurisdictions have a substantial number of pedestrian fatalities. For the foreseeable future there will be people without cars, and there will always be some trips that will be made on foot. Our most dangerous areas for walking have high-speed roads and poor pedestrian facilities, together with people who lack automobiles.

Factors contributing to Pedestrian and Bicycle Crashes

Data from the Washington region indicate that drivers are about as likely as pedestrians to be at fault in a crash. Drivers were cited for a violation in about half the crashes.[10] Males aged 25 to 34 are most likely to hit pedestrians, while pedestrians who are hit are most likely to be males aged 25 to 44. Pedestrian crashes are most likely to occur at the evening rush hour, 5-7 p.m., with 6-9 a.m. the second most likely.[11] Alcohol is a serious problem for both pedestrians and motorists, affecting approximately one third of crashes.

Legal Status of Bicyclists and Pedestrians

Bicyclists are considered drivers of vehicles under most circumstances, and have the same rights and responsibilities as operators of motor vehicles. Bicyclists must ride in the same direction as traffic, use lights after dark, and yield to pedestrians. Like

[6] Ibid, pp. 40-42.
[7] Raford, Noah. *Space Syntax: An Innovative Pedestrian Volume Modeling Tool for Pedestrian Safety*. Presented at the 2004 TRB Conference, January, 2004. (TRB2004-000977) p. 8.
[8] Denmark Ministry of Transport (1994) *Safety of Cyclists in Urban Areas: Danish Experiences*.
[9] Pucher, John. "Making Walking and Bicycling Safer: Lessons from Europe," *Transportation Quarterly*, Summer 2000.
[10] INOVA study, page 23.
[11] Ibid, page 12.

operators of other slow-moving vehicles, cyclists should generally ride as far to the right as is practicable, except when preparing to turn left, passing, or when obstacles or pavement conditions make riding on the right unsafe or impractical. Cyclists may use the full travel lane if the lane is too narrow to allow them to ride to the right of motor vehicles safely. Cyclists may usually ride on paths and sidewalks, except where prohibited. Cyclists have the rights and duties of pedestrians when traveling on paths and sidewalks, however, they must yield to pedestrians in those locations. Rules relating to bicycles are summarized on page E-4 of the Council of Government' Bike to Work Guide.[12]

Pedestrians are not vehicle operators and are not subject to the same rules. Persons on rollerblades, skateboards, etc. operating on the street are considered pedestrians, but bicyclists are not. Motorists must yield to pedestrians when making turns across adjacent crosswalks. "Jaywalking" is legal in most locations, but pedestrians must yield to motorists if they are crossing at a location other than a crosswalk. Pedestrians may not cross at mid-block if they are between two signal-controlled intersections; they must use the crosswalk. Tables 3-1 and 3-2 summarize the rules in each state regarding pedestrians.

[12] www.mwcog.org/commuter/Bdy-bike2.html.

Table 3-1:
Pedestrian Traffic Law—Motor Vehicles Drivers

RULE	MARYLAND	DISTRICT OF COLUMBIA	VIRGINIA[13]
Crosswalk Definition	Any intersection of two roadways is a legal crosswalk, whether marked or not. Pedestrians have the same rights in marked crosswalks as in unmarked crosswalks	Same as Maryland	Same as Maryland
Blocking a Crosswalk	A motorist may not park or stop in a crosswalk	Same as Maryland	Same as Maryland
Sidewalk	Pedestrians have the right of way in the sidewalk	Pedestrians have the right of way in the sidewalk. Parking on the sidewalk prohibited.	Pedestrians have the right of way in the sidewalk
Right Turn on Red	Vehicles turning right on red must yield to pedestrians in the crosswalk	Same as Maryland	Same
Turn on Green	Vehicles turning either right or left on a green light must yield to pedestrians in the adjacent crosswalk	Same	Same
Red Light	Motorist should stop before the crosswalk, or if no crosswalk is striped, before the intersection	A pedestrian who has begun crossing on the walk signal shall be given the right-of-way by the driver of any vehicle to continue to the opposite sidewalk or safety island, whichever is nearest.	Same as Maryland
Stop-Controlled or Uncontrolled Intersection	Motorist must stop for any pedestrian in the same half of the roadway as the motorist, or who is approaching from the adjacent lane in the other half of the roadway. No motorist may pass another vehicle which has stopped for a pedestrian	The driver of a vehicle shall **STOP** and give right of way to a pedestrian crossing the roadway within any marked crosswalk or unmarked crosswalk at an intersection.	Same as Maryland, unless the road has a speed limit of 35 mph or more, in which case the motorist has the right of way.

[13] http://virginiadot.org/infoservice/bk-laws.asp

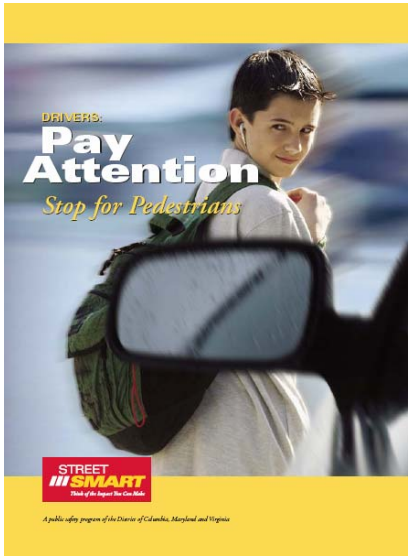
Table 3-2:
Pedestrian Traffic Law—Pedestrians

RULE	MARYLAND	DISTRICT OF COLUMBIA	VIRGINIA
Green light	A pedestrian facing a green light (other than a turn arrow) may cross the roadway, within a marked or an unmarked crosswalk	Same as Maryland	Same as Maryland
Red light	Pedestrians shall not enter the roadway on a steady red light	Same as Maryland	Same as Maryland
Pedestrian Control Signal	Pedestrians shall not enter the roadway when there is a flashing "Don't Walk" or "Wait" indicator	Same as Maryland	Same as Maryland
Stop-controlled or uncontrolled intersection	Pedestrians may cross the roadway within a marked or unmarked crosswalk	Same as Maryland	Same as Maryland, except the pedestrian must yield to motor vehicle traffic if the speed limit is 35 mph or more. Pedestrians may not disregard approaching traffic when entering or crossing an intersection
Crossing at Other Than Crosswalks	(a) If a pedestrian crosses a roadway at any point other than in a marked crosswalk or in an unmarked crosswalk at an inter section, the pedestrian shall yield the right-of-way to any vehicle. (b) If a pedestrian crosses a roadway at a point where a pedestrian tunnel or overhead pedestrian crossing is provided, the pedestrian shall yield right of way to any vehicle. (c) Between adjacent intersections at which a traffic control signal is in operation, a pedestrian may cross a roadway only in a marked crosswalk. (d) A pedestrian may not cross a roadway intersection diagonally.	Essentially the same as Maryland, but with a specific prohibition on walking suddenly into the path of a vehicle: (a) No pedestrian shall suddenly leave a curb, safety platform, safety zone, loading platform or other designated place of safety and walk or turn into the path of a vehicle which is so close that it is impossible for the driver to yield.	Same as Maryland

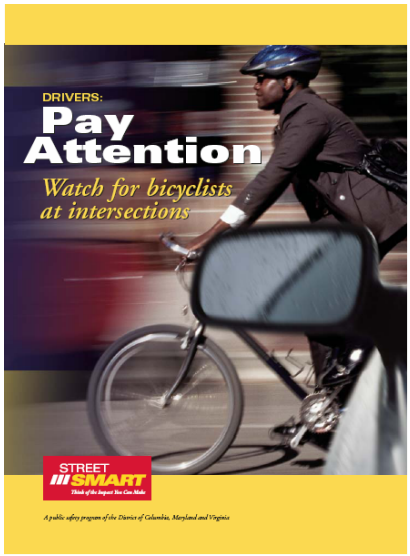
Rule	Maryland	District of Columbia	Virginia
Pedestrians on Roadways	(a) A pedestrian may not walk on a roadway where sidewalks are provided. (b) Where no sidewalk is provided, a pedestrian may walk only on the left side of the roadway, facing traffic.	Same as Maryland	Same as Maryland

Pedestrian and Bicyclist Enforcement and Education: The "Street Smart" Campaign

Pedestrian and bicycle safety efforts generally fall into three broad categories of actions, the three E's: Engineering, Education, and Enforcement. Engineering deals with the design of safer roads, streets, and pedestrian and bicycle facilities. Education includes both classroom-based training and behavioral modification campaigns. Enforcement consists of enforcement of the traffic laws with respect to pedestrians and bicyclists. The regional pedestrian and bicycle safety campaign, Street Smart, deals primarily with education through mass media.



Street Smart was created in 2002 by the region's governments in response to an ongoing regional pedestrian and bicycle safety problem. Since the region is a single media market, a unified regional campaign is the most cost-effective approach. The program is supported by federal funds made available through state governments, with local funds matching the federal funds, and is administered by the National Capital Region Transportation Planning Board.

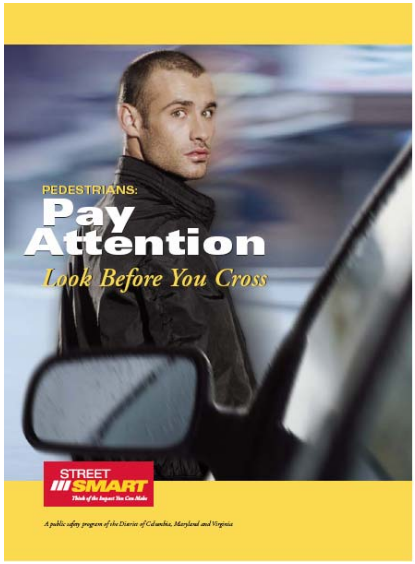


The Street Smart campaign is a one-month blitz of radio, transit, and print advertising. The goal of the campaign is to change driver and pedestrian behavior in order to reduce deaths and injuries. Motorists are urged to "Stop for Pedestrians" and "Watch for Bicyclists at Intersections," pedestrians are urged to "Look Before You Cross". All materials, including radio spots, are translated into Spanish. One-month campaigns were held in October, 2002, and annually since 2004.

Efforts to enforce pedestrian laws have also been stepped up in conjunction with the "Street Smart" pedestrian and bicycle safety campaign. Law enforcement has helped reinforce the campaign message, just as it has been used effectively as part of

anti-drunk driving and seatbelt advertising campaigns. Public awareness of these heightened enforcement activities has been a key aspect of this campaign. Research shows that fear of fines and legal consequences is more effective at changing behavior than fear of death or injury. Also the TV and press media often covers enforcement stings, increasing the public's perception that they are likely to be ticketed for breaking the law.

Evaluation Results



Evaluation results show that the prime target audience, male drivers aged 18 to 34, is hearing the message. For example, surveys taken before and after the campaign April, 2004 show that awareness of the Street Smart messages rose by 22 percentage points among male drivers aged 18 to 34. There is some evidence that drivers are more likely to yield to pedestrians, and that pedestrians are becoming more careful. Specifically, in May 2005:

- 17% of respondents reported that they "had to swerve to avoid a pedestrian in the last 7 days", down from 32% in 2002
- 60% reported frequently observing motorists failing to yield to pedestrians, down from 76% in 2002
- Pedestrian and Bicyclist fatalities in the Washington region fell from 2001-2004. The average fatality rate for 1994-2004 was 87. Table 3-3 shows the pedestrian and bicyclist fatalities for the region from 2001-2004.[14]

Table 3-3

Year	2001	2002	2003	2004
Fatalities	88	82	86	71

Outlook

Pedestrian and bicycle safety has drawn increasing attention in the Washington region and at all levels of government. The Street Smart campaign is yielding positive results. Better vehicle-pedestrian crash-compatibility, safer street design, retro-reflective clothing, and safer pedestrian and driver behavior will help reduce pedestrian and bicycle fatalities and injuries.

On the other hand, as the region's population and density increase, including growing numbers of immigrants and others for whom walking and bicycling are a primary mode

[14] DDOT,MHSO,VDMV

of transportation, preventing pedestrian and bicyclist fatalities and injuries will remain a major challenge.

Overview

The Washington region has excellent long-distance separated facilities for bicyclists and pedestrians, and an urban core and certain regional activity centers that have good pedestrian and bicycle facilities. On the other hand, many activity centers, not originally designed with pedestrians in mind, have grown dense enough in to generate significant pedestrian traffic, and face challenges in terms of providing safe facilities and crossing locations for pedestrians and bicyclists. Other parts of the region have developed at low densities, with separated land uses and indirect routes, which increase pedestrian and bicycle travel time. Pedestrian and bicycle accommodations are not always provided.

Informal Foot-Paths Show where People are Walking

Bicycle connections with transit are generally good, with bicycle parking, bus bicycle racks, and bikes permitted on Metrorail at most hours. Walking is the primary mode of access to transit. Conditions for pedestrian access are excellent at many rail stations, though at some rail stations, originally designed primarily with auto and transit access in mind, pedestrian access could be improved. Bus stops in places originally designed primarily for automobiles often have access and safety problems.

Pedestrians are found throughout the region, and pedestrian traffic is increasingly found in places that were not built for it. This section highlights some of the region's successes in providing for bicycling and walking. These successes can serve as examples of what the region needs to serve its pedestrians and bicyclists.

Shared-Use Paths

The Washington region is renowned for the quality and extent of its major shared-use paths. Shared-use paths are typically located in their own right-of-way, often a canal, railway, or stream valley, or in the right-of-way of a limited-access highway or parkway, such as the George Washington Memorial Parkway. Shared-use paths are eight to twelve feet in width. The

region has approximately 190 miles of major shared-use path, either paved or level packed gravel surface suitable for road bikes. Well-known trails include the W&OD and Mount Vernon Trails in Virginia, and the C&O Canal, Capital Crescent, and Rock Creek Trails connecting the District of Columbia and Maryland. Many of the region's shared-use paths go through heavily populated areas, connect major employment centers, and get significant commuter traffic. More information on trails in the Washington region can be found at www.bikewashington.org.

The region continues to build new trails along stream valleys and in conjunction with major highway projects, but the remaining inventory of the disused rail lines, which often provide the best opportunities for shared-use paths, is fairly small.

Side-Paths

Side-paths differ from shared-use paths in that they do not have their own right of way, but are closely adjacent to a non-limited access roadway, and thus subject to more frequent conflict with driveways, side streets, and turning traffic. Side-paths differ from sidewalks in that they must be at least eight feet wide, and in that they are designed to meet the needs of bicyclists.

The Washington region has approximately 300 miles of side-paths, and there are plans to expand that mileage considerably.

Side-paths meet the need for a separated pedestrian facility, as well as providing separation from traffic valued by child and slow-moving cyclists, especially in places where the road has speeds of 40 mph or more and high traffic volumes. However, the AASHTO (American Association of State Highway and Transportation Officials) Guide for the Development of Bicycle Facilities offers a number of cautions regarding the use of side-paths or wide sidewalks for bicycles. Frequent driveways, especially with poor sightlines, are hazardous to bicyclists on side-paths. Side-paths remove bicyclists from the motorists' line of sight and allow travel against the flow of traffic, so they may increase the potential for conflicts with motor vehicles at intersections. Since the facility is shared with pedestrians, there is also a potential for cyclist-pedestrian crashes. Side-paths are most suitable where driveways and intersections are few and sight-lines are good. Intersection crossings should be designed carefully, with a protected signal phase providing the best level of protection.

Dual Facilities

In recognition of the fact that fast-moving cyclists may be better off with an on-road facility, Montgomery County is planning many of its bicycle routes as dual facilities, with both an on-road bike lane and a side-path for pedestrians and slow bicyclists.

VDOT's Northern Virginia Bikeway and Regional Trail Study recommends that both on and off-road accommodation be provided.[1] Under the new routine accommodation policy, VDOT is to provide adequate facilities for pedestrians and bicyclists even if not called for in the local plan.

Where bicycle and pedestrian volume warrant it, and right of way permits, multi-use paths may be split into parallel pedestrian and bicycle paths. This separation allows cyclists and rollerbladers to maintain speed without risk to pedestrians. The Washington & Old Dominion Trail in Northern Virginia includes several sections with gravel pedestrian paths that parallel the paved multi-use path.

Bicycle Lanes

Bicycle lanes are marked lanes 4-6 feet wide in the public right-of-way that are by law exclusively or preferentially for use by bicyclists. Bike lanes are marked with bicycle symbols and arrows, which indicate the correct direction of travel. Bike lanes are provided on both sides of the street, except for one-way streets, and allow travel only in the same direction as adjacent motor vehicle traffic. On-street bicycle lanes are generally much less expensive than separated paths. Bike lanes decrease wrong-way riding, define the road space that cyclists are expected to use, increase cyclists' comfort level, and call attention to the presence of cyclists on the roadway. Bicycle lanes are not generally considered safe or adequate for pedestrians, though in rural areas without sidewalks the roadway shoulder serves as both a bicycle lane and as a pedestrian facility.

The number of bicycle lanes is growing rapidly. The District of Columbia currently has 19 miles of bicycle lanes, up from three in 1995, and Arlington County has 20 miles, up from three in 1995, and Montgomery County has 17 miles.[2] The regional mileage of bicycle lanes can be expected to expand significantly in the future as the District of Columbia, Arlington County, and Montgomery County all have ambitious plans to build more bicycle lanes. A map of regional bicycle paths, lanes, and on-road routes can be ordered at www.adcmap.com.

Signed Bicycle Routes

The region has hundreds of miles of signed bicycle routes. Signed routes have the advantage of being inexpensive and informative for cyclists. A signed route has not necessarily had any bicycle-related improvements apart from signing. However, bicycle-

[1] *Northern Virginia Regional Bikeway and Trail Network Study.* November, 2003. Virginia Department of Transporation, Northern District Office. Page 19.
[2] *Countywide Bikeways Functional Master Plan,* March 2005. Maryland-National Capital Park and Planning Commission. Page 12.

friendly features such as paved shoulders, a wide curb lane, or low traffic volumes or speeds *may* be present.

Long-Distance Bicycle Routes

Several notable long-distance routes promoted by national-level organizations pass through the Washington region. These include the East Coast Greenway, Bicycle Route 1, and the American Discovery Trail. The East Coast Greenway Alliance is promoting what will eventually be a mostly off-road path connecting all the major cities of the East Coast. Currently 20 percent open for public use, it will span 2,600 miles from Calais, Maine to Key West, Florida. With the exception of the National Capital Mall, the proposed route through the Washington region is not yet signed. Bicycle Route 1 is part of a national network of low-traffic road routes promoted by the Adventure Cycling Association. The American Discovery Trail is a coast-to-coast, recreational, non-motorized trail, which follows the C&O Canal Towpath and the Anacostia River Tributary Trails. All long-distance routes rely on local agencies and organizations to realize their vision.

Exclusive Bus/Bicycle Lanes

Exclusive bus lanes are sometimes used on streets with heavy bus traffic. Bicycles are sometimes permitted to use those lanes. Bus/Bike Lanes can be found in the District of Columbia. Conflicts can occur due to differences in speed between buses and bicyclists.

Bridges

Currently the southernmost opportunity for cyclists and pedestrians to cross the Potomac is at the 14th Street Bridge. When the Woodrow Wilson Bridge project is finished, bicyclists and pedestrians will be able to cross the Potomac on the capital beltway at Alexandria. The Memorial Bridge, the Theodore Roosevelt Bridge, the Key Bridge, and the Chain Bridge all have bicycle and pedestrian facilities. To the north cyclists and pedestrians may use the ferry at White's Ferry, which connects Montgomery County and Loudoun County. Cyclists may use the US 15 bridge at Point of Rocks and the MD 17 bridge at Brunswick to get cross between Frederick County and Loudoun County, though they have no separated facilities.

On the Anacostia river separated bicycle and pedestrian facilities of uneven quality are available on the South Capitol Street (Frederick Douglas Memorial) bridge, the 11th Street bridge, the Pennsylvania Avenue Bridge, the East Capitol Street Bridge, and the Benning Road Bridge. The District of Columbia plans to upgrade these crossings as the Anacostia waterfront is developed.

Bicycles and Public Transit

The region has made tremendous progress integrating bicycling and public transit, with secure bike parking available at most rail stations, bicycles permitted on Metrorail at most times, and most of the buses in the region now equipped with bicycle racks. Specific agency policies and facilities are described below.

Rail

Bicycles are allowed on Metrorail at any time except weekdays from 7 to 10 a.m. and 4 to 7 p.m., and Fourth of July. No permit is required. Only folding bicycles fully enclosed in a carrying case are permitted on MARC and VRE. Folding bicycles are allowed on Metrorail during rush hour if fully enclosed.

Bicycle racks or lockers are available at most Metrorail stations. Table 3-1 in Appendix I shows the number of lockers and rack spaces at each metro station. As of April, 2004 WMATA had 1,141 locker and 1,183 rack bicycle parking spaces at Metrorail stations. Racks are first-come, first served.[3]

All VRE stations and most MARC stations have bicycle racks.

Bus

Metrobuses all have racks on the front that carry not more than two bicycles. No permit is required. Information on how to use bus bike racks is available at www.waba.org. Folding bicycles are not allowed inside Metrobuses.

Montgomery County Ride-On, Arlington Transit, and Annapolis Transit buses are all equipped with bicycle racks, as are many Maryland Transit Administration buses.

Park and Ride

Of the 175 park and ride lots in the Washington DC-MD-VA Metropolitan Statistical Area, about 50 have bike lockers or racks.

Pedestrian Access to Transit

82% of Metrobus passengers walk to transit, and 60% of all Metrorail trips start with the passenger walking to the rail station. However, the quality of pedestrian access to Metrorail and Metrobus is uneven. Many suburban rail stations were built with an

[3] Details on bicycle parking locations and locker rental can be found at http://www.wmata.com/Metrorail/bikeracks.cfm

emphasis on automobile and bus access. Bus stops are often placed in areas with no sidewalks or available crosswalks. Inventorying conditions and making recommendations for specific locations is beyond the scope of this plan, but there have been a number of efforts to do so, such as MTA's Access 2000 Study, the MWCOG's Walkable Communities Workshops, the efforts of the Bike Parking Work Group of the Bicycle and Pedestrian Subcommittee, and efforts in Fairfax County and Montgomery County to improve bus stop safety. WMATA is developing a new set of *Guidelines for Station Site and Access Planning*, and WMATA has plans to upgrade pedestrian access at Metrorail stations and carry out station-area development. WMATA is completing an inventory of existing conditions at bus stops in the region and will have an integrated list of conditions in 2007.

Outlook

Facilities for bicycling and walking in the Washington region are likely to improve significantly in the future. Federal, regional, state and local policies and transit agency initiatives all call for better and more complete facilities. Bicycle lanes and dual facilities for pedestrians and bicyclists will become more common.

The Regional Bicycle and Pedestrian Network in 2030

The Bicycle and Pedestrian Plan for the National Capital Region is a compilation of approximately 500 bicycle and pedestrian facility improvement projects from across the region. If every project in the plan is implemented, in 2030 the region will have added 238 miles of bicycle lane and 447 miles of multi-use path. The overall network length (accounting for dual bike lane/sidepath facilities) will increase by X miles. X number of pedestrian intersection improvements will be carried out, and X pedestrian/bicycle bridges or tunnels will be built. Two new bicycle and pedestrian crossings over the Potomac will be created, at the American Legion and Woodrow Wilson Bridges, and the bridges over the Anacostia River will be improved for pedestrians and bicyclists. In addition, a number of Regional Activity Centers will receive streetscaping, traffic calming, and pedestrian and bicycle access improvements. Overall, investments in sidewalk improvements would in roughly X miles of new sidewalks.

The total cost of improvements listed in the plan is estimated at about $500 million (2006 dollars). Project-specific cost estimates have been provided by sponsoring agencies for about 20% of the listings (shown for these projects in Appendix A), totaling about $150 million. The remaining 80%, based upon a global cost per mile estimate, are projected to cost about $350 million. Note that due to the nature of bicycle and pedestrian facility improvements, the list in Appendix A is expected to change annually, as projects are added or removed.

Research shows a positive correlation between bicycle facilities and bicycle mode share, even correcting for such factors as presence of a university, age of the population, climate, etc. Each additional mile of bicycle facility per 100,000 residents is associated with a 0.069% increase in commuters using bicycles.[1] Therefore if X miles of bicycle lane and shared-use path are added, at the forecast 2030 population of X the bicycle commute mode share will be X. Bicycle lanes seem to be especially effective. For cities with more than 250,000 population each additional mile of bike lanes per square mile is associated with a roughly one percentage point increase in bicycle mode share.[2] In a 2000 survey, people living within 400 meters of a bicycle lane in Minneapolis were found to be more than twice as likely to have ridden a bicycle within the previous 24 hours for any purpose than those living more than 1600 meters from a bicycle lane. Demographic, neighborhood, and household characteristics were adjusted for.[3]

[1] Allen, David and Nelson, Authur C. "If You Build Them, Commuters Will Use Them: Association Between Bicycle Facilities and Bicycle Commuting". *Transportation Research Record No. 1578*, National Research Council, 1997, p. 81.
[2] Dill, Jennifer and Carr, Theresa. "Bicycle Commuting and Facilities in Major U.S. Cities". *Transportation Research Record No. 1828*, Transportation Research Board, 2003, pp. 116-123.
[3] Krizek, Kevin and Johnson, Pamela Jo. "The Effect of Facility Access on Bicycling Behavior". *TRB -05-2655*, 2005, page 6.

Project listings

Appendix A lists the plan projects, organized alphabetically by State and Jurisdiction. Facility type, responsible agencies, limits, length, and cost are also included.

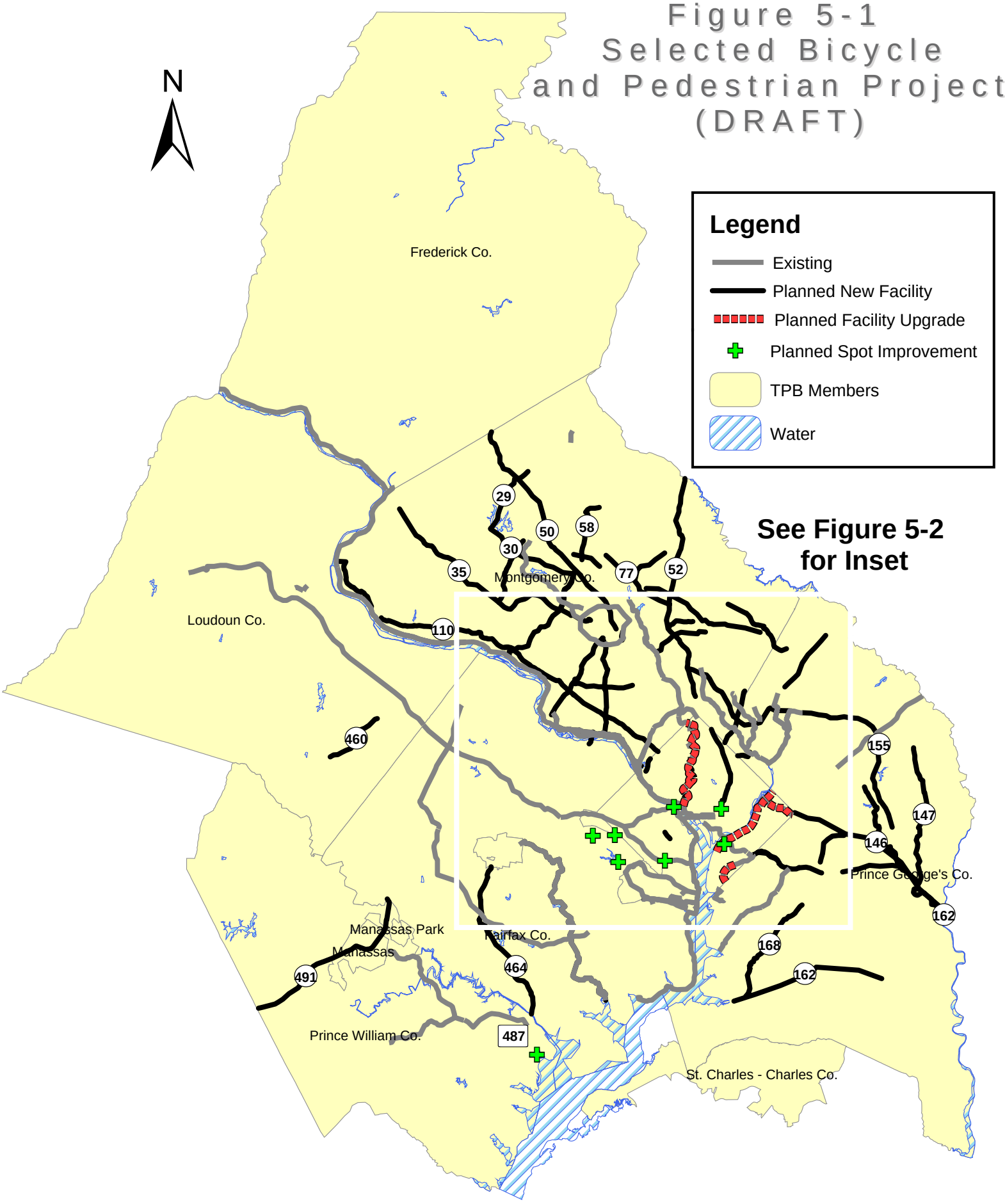
The project list is drawn from a database that includes more extensive information, including project status, agency project ID number, facility lengths, facility alignment, description, project status, project web site, date of (projected) completion, date the record was last updated, and project manager name and contact information. Agency staff may enter via a password-protected web site to enter, edit, and delete project information, making the process of keeping the database accurate simple. Over time the database should prove useful in tracking the progress of projects. A sample database entry and a data dictionary are found in Appendix B.

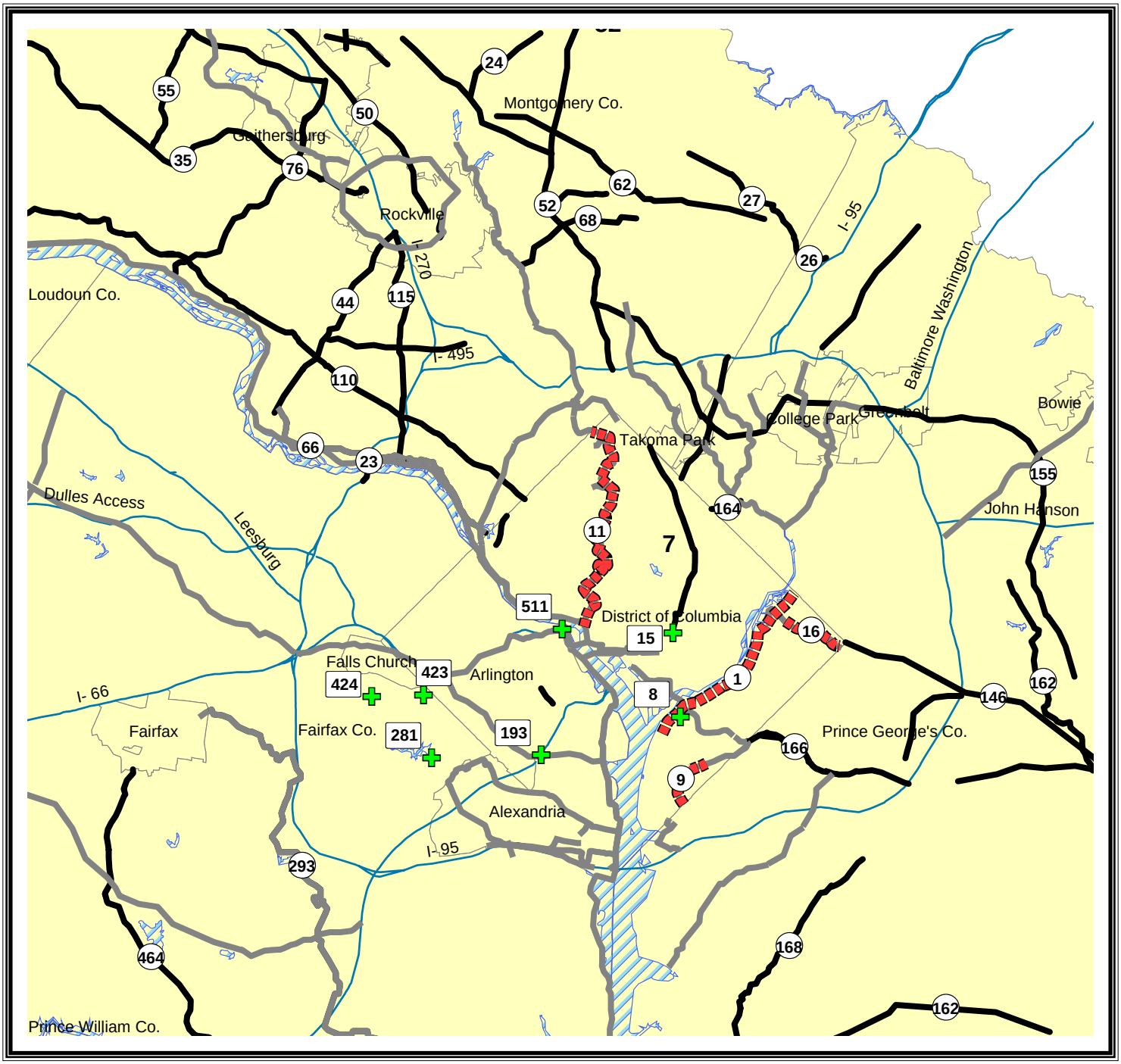
This project list is intended to be a comprehensive list of planned bicycle and pedestrian projects in the Washington region. Agencies were encouraged to submit projects for inclusion if they were one mile or more in length, or cost more than $300,000. However, agencies were encouraged to submit shorter or less costly projects if significant.

Figures 5-1 and 5-2 show the location of bicycle and pedestrian projects throughout the region. Project details can be found by referring to the project number in the database.

All multi-use paths greater than three miles in length, as well as all projects estimated to cost more than $300,000, are mapped. Some projects that lack cost estimates or an estimated length may still be large enough to warrant mapping as well.

Figure 5-1
Selected Bicycle and Pedestrian Projects (DRAFT)





Legend

- Existing
- Planned New Facility
- Planned Facility Upgrade
- Planned Spot Improvement
- Major Highways
- Water
- COG/TPB Members

Figure 5-2: Selected Bicycle and Pedestrian Projects in the Central Washington Region (DRAFT)

0 1.5 3 6 9 12 Miles

N

The TPB vision calls for a transportation system that allows convenient and safe bicycle and pedestrian access, with dynamic regional activity centers and urban core that contain a mix of jobs, housing and services in a walkable environment. In order to achieve these goals, the Bicycle and Pedestrian Subcommittee has developed the following series of recommended best practices for consideration by the member jurisdictions. Many of the member jurisdictions have already implemented some or all of these recommendations.

A. Enhance agency efforts to incorporate bicycle and pedestrian elements in all jurisdictional planning and design policies.

1. Include bicycling and walking, including provisions for the disabled, in all stages of the transportation and land use planning process, from initial concept through implementation.

The Virginia Department of Transportation (VDOT) is committed to routinely accommodating bicycling and walking "as fundamental travel modes and integral components...in the planning, funding, design, construction, operation, and maintenance of Virginia's transportation network"

2. Consistent with federal policy, establish bicycle and pedestrian ways in all new construction and reconstruction transportation projects in urbanized areas unless one or more of three conditions are met:

   a. Bicyclists and pedestrians are prohibited by law from using the roadway. In this instance, a greater effort may be necessary to accommodate bicyclists and pedestrians elsewhere within the right of way or within the same transportation corridor.

   b. The cost of establishing bikeways or walkways would be excessively disproportionate to the need or probable use. Excessively disproportionate is defined as exceeding twenty percent of the cost of the larger transportation project.

   c. Where sparsity of population or other factors indicate an absence of need.

3. Take into account likely future demand for bicycling and walking facilities in planning transportation projects and do not adopt designs that would preclude future improvements.

Many Agencies involve Walking and Biking Advocates in the Planning Process

4. Encourage public participation by bicyclists and pedestrians and other community groups in the planning process.

5. Ensure adequate funding for bicycle and pedestrian transportation staff and facilities, including land acquisition, design, construction, and proper maintenance.

In 2005, the region budgeted roughly $115 million for bicycle and pedestrian projects, or about 3% of transportation capital expenditures

6. Integrate bicycling and walking into new development.

   a. Require land developers to finance and construct sidewalks, shared-use paths, and bicycle parking facilities within their developments.

   b. Require land developers to design developments in a way that facilitates internal and external bicycle and pedestrian access. New development should feature a dense network of interconnected streets to minimize trip distance and offer many low-speed, low-traffic routes. Superblock and cul-de-sac development patterns should be discouraged, and transit-oriented development should be encouraged.

7. Design, construct, operate, and maintain sidewalks, shared-use paths, street crossings (including over- and undercrossings), pedestrian signals, signs, street furniture, transit stops and facilities, and all connecting pathways so that all pedestrians, including people with disabilities, can travel safely and independently.

8. Improve inter-jurisdictional coordination to identify, construct and preserve multi-jurisdictional routes, and provide connecting links for existing routes to assure the establishment of a continuous bicycle and pedestrian transportation system throughout the Washington metropolitan area.

   a. Identify networks of existing bicycle routes (both on-street and off-street) in the urban core, suburbs, developing fringe, as well as connecting long distance inter-city routes. Ensure that these routes are included in land use and transportation plans, and not eliminated as development occurs.

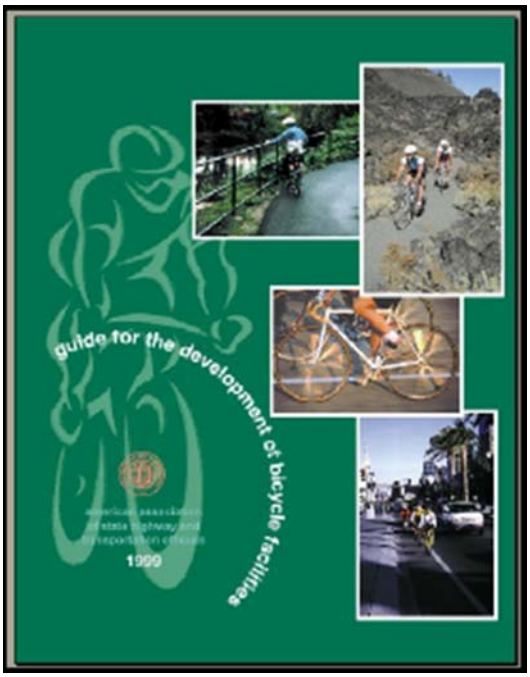
   b. Identify shared-use path corridors before they are developed, and preserve opportunities for development as shared-use paths.

   c. Identify existing physical barriers to bicycling (such as rivers and streams, bridges, railroad tracks, highway crossings, and limited access highways with no crossing route) and identify solutions to overcome them.

B. Develop and adhere to consistent bicycle and pedestrian facility design and construction standards in each jurisdiction:

1. Develop guidelines and requirements for on-street/off-street facilities.

2. Assure adequate planning, construction and maintenance standards for comfortable and safe bicycling on both on-street routes and off-street paths, as well comfortable and safe walking on paths and sidewalks. Assure that safety is the primary consideration in all design standards.



a. Adopt, as minimum standards for privately and publicly built facilities, the AASHTO *Guide for the Development of Bicycle Facilities*, AASHTO's *A Policy on Geometric Design of Highways and Streets,* and the AASHTO *Guide for the Planning, Design and Operation of Pedestrian Facilities,* the *ADA Accessibility Guidelines* from the U.S. Architectural and Transportation Barriers Compliance Board (Access Board), and the *Manual on Uniform Traffic Control Devices* from the Federal Highway Administration.

b. Establish and maintain minimum design and maintenance standards for each type of facility.

3. Coordinate planning and construction of routes crossing jurisdictional boundaries

a. Implement uniform wayfinding and/or designation for inter-jurisdictional routes.that will provide easily understood instructions and information.

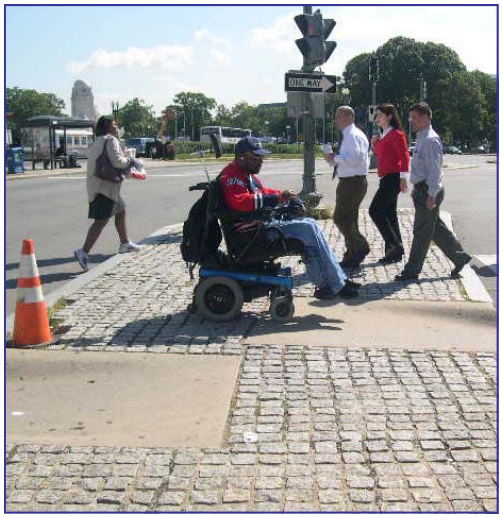
4. Improve Access for the Disabled to Pedestrian Facilities[1]

The Transportation Planning Board's Access for All Advisory Committee has identified the following recommended best practices for improving access for the disabled to pedestrian facilities. More detailed recommendations can be found in the *ADA Accessibility Guidelines* as noted above. With the exception of hand-rails on steep sidewalks, all of the following practices are legally required under the ADA for all new facilities and all reconstructed facilities:

a. Sidewalks should have curb ramps. Ramps should be well-maintained, well-placed, and not too steep in order to permit their use by persons in wheelchairs.

[1] "Lessons Learned" fact sheet for Disability Awareness Day. National Capital Region Transportation Planning Board Access for All Committee, October 20, 2004.

b. The height of wheelchair users should be considered when placing shrubs or other objects where they might block them from the view of motorists.
c. Objects such as security barriers, fences, fire hydrants, telephone poles, parking meters, newspaper boxes, signal control boxes, and other street furniture should be placed in locations where they will not block curb ramps.
d. The placement of crosswalk buttons must take into consideration the needs of people with disabilities.
e. Audible pedestrian signals make communities safer for all pedestrians, including seniors and children as well as people with visual impairments.
f. Sidewalks with steep slopes are difficult for people with disabilities to navigate, especially for people who use manual wheelchairs or people who have trouble walking. Hand rails could help mitigate these difficulties.



Poorly Placed Curb Ramps and Rough Pavement can be Difficult to Navigate in a Wheelchair

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C. Improve bicycle and pedestrian circulation within and between regional activity centers and the urban core.

1. Improve sidewalks, bikeways, intersections, signage and links to transit for bicyclists and pedestrians in activity centers

2. Improve access to and between regional activity centers.

a. Provide access to activity centers from surrounding neighborhoods.

New Bike Racks and Lockers at New York Avenue Metro Station

b. Provide facilities to connect nearby activity centers.

D. Integrate bicycling and walking into the public transportation system.

1. Provide safe and convenient access for pedestrians and bicyclists to all Metro and commuter rail stations and park-and-ride lots.

2. Improve bicycle parking at Metro and commuter rail stations with well-designed racks, covered racks, and lockers. Replace broken and obsolete bicycle racks with current models.

Investigate the possibility of improving commuter access to bicycle lockers and increasing usage rates by establishing automated, hourly rental service.

3. Improve the convenience of bringing bicycles on the Metrorail. Evaluate the possibility of allowing reverse commuting with bicycles on Metrorail during rush hours.

All 1,450 Washington region Metrobuses have been equipped with racks to carry up to two bikes per bus

4. Provide bicycle racks on all buses.

5. Provide for accommodation of bicycles on future rail services in the Washington region.

E. Provide adequate bicycle support facilities.

1. Enact zoning laws to require bicycle parking and related facilities as part of all new construction or major renovation, including office, retail, and housing developments.

a. Construct bicycle parking facilities in well-traveled and lighted areas. Facilities should be covered and secure.

b. Require placement of bicycle parking facilities in convenient locations; short-term parking should be as close as possible to building entrances; long term parking facilities should be located in secure areas.

c. Ensure the provision of showers and changing facilities in all new or renovated commercial developments.

2. Provide bicycle parking on public property. Jurisdictions should install bicycle parking in public spaces where there is demand, such as public libraries, parks, and sidewalks near storefront retail.

A keypad-controlled bike cage with racks is very secure

The District of Columbia requires Bicycle Parking in any building with Automobile Parking, and Installs Bike Racks on Public Sidewalks on Request

The Washington, D.C. Department of Transportation has established the following bicycle parking requirements for property owners:

- Bicycle parking is required for office, retail and service uses that provide car parking
- The required number of bike parking spaces is five percent (5%) of the required number of automobile parking spaces
- Bicycle parking must be convenient, secure, and well-lit
- For older buildings, one percent (1%) of the amount of required parking spaces may be converted to bicycle parking spaces
- DDOT offers free technical advice and racks for existing garages and off-street parking lots

F. Develop pedestrian and bicycle safety education and enforcement programs in all jurisdictions.

3,425 elementary school students in the District of Columbia, Montgomery, and Prince George's Counties were trained in pedestrian and bicycle safety basics in 2004, under a program funded by the Maryland Office of Highway Safety

1. Promote pedestrian and bicycle safety education programs for children, beginning at the earliest possible age.

a. Establish pedestrian and bicycle safety programs at the elementary school level, including classroom and on-bicycle instruction.

b. Develop and distribute pedestrian and bicycle safety information materials designed to teach beginning cyclists and young pedestrians.

c. Emphasize the use of bicycle helmets as a means of injury reduction, lights after dark, reflectors, and reflective clothing for pedestrians.

2. Improve cycling skills and pedestrian safety habits of adults and young adults.

a. Produce and distribute information on bicycle usage and safety.

b. Emphasize the use of helmets for rider protection, lights after dark, reflectors, and reflective clothing for pedestrians.

3. Increase motorist awareness and accommodation of bicyclists and pedestrians, and bicyclist and pedestrian awareness and accommodation of motorists.

a. Include bicycle and pedestrian information in automobile drivers' training classes, driver's manuals, and license exams, and through public media.

b. Coordinate public media campaigns with law enforcement

The regional "Street Smart" Pedestrian and Bicycle Safety Campaign urges motorists to "Stop for Pedestrians", and pedestrians to "Look Before You Cross"

4. Encourage jurisdictional uniformity of traffic laws relating to bicycling and walking. Encourage conformity with such regulations as the Uniform Vehicle Code.

5. Encourage consistent bicycle law enforcement to assure safe bicycling and walking.

a. Emphasize the enforcement of traffic laws dealing with offenses known to cause crashes between bicycles and motor vehicles, such as wrong way bicycling, and ignoring stop signs and stop lights.

b. Emphasize enforcement of traffic laws dealing with offenses known to cause crashes between pedestrians and motor vehicles, such as motorists failing to yield to pedestrians, and pedestrians disobeying "Don't walk" signals.

6. Improve bicycle and pedestrian accident reporting and analysis procedures at the state and regional levels, to provide jurisdictions with a better understanding of accident causes and countermeasures.

7. Provide increased law enforcement presence along regional off-road trail networks and encourage inter-jurisdictional cooperation and coordination to provide for the safety and security of all pedestrians and bicyclists.

Volunteer Patrols can help with Trail Security

G. Each jurisdiction should develop a high visibility bicycle or pedestrian project to demonstrate the effectiveness of bicycling and walking as a short distance transportation mode.

1. Projects should be easily implemented and supported by the community.

2. Each project should enjoy the full and enthusiastic support of the government agencies responsible for implementation.

3. Extensive publicity and promotion should be provided for each facility or service included in the project.

4. An extensive analysis of the effectiveness of each project should be conducted following the demonstration period.

Appendix A

Bicycle and Pedestrian Projects

Of the Long-Range Bicycle and Pedestrian Plan

For the National Capital Region

This appendix contains a complete list of the projects in the Bicycle and Pedestrian Plan for the National Capital Region. Below is a guide to the printed project list. Appendix B contains a data dictionary for the electronic database, which contains more information than this printed list, as well as a sample data entry form.

PROJECT LIST DATA DICTIONARY	
Field	**Explanation**
Line Number	Short ID number used to label projects on the maps
Agency Project ID	The sponsoring agency's project identifying number
Project Name	Descriptive name provided by the sponsoring agency
From	Project Limits
To	Project Limits
Length (Miles)	Length of the project from start to finish in miles. Example: if a project consists of four miles of road with a continuous bike lane and sidewalk, the project length is four miles.
Responsible Agencies	Agencies responsible for implementing the project or otherwise involved
Bike Lane	Bike lanes are striped lanes at least 4' wide in the public right-of-way, marked for the exclusive use of bicyclists
Multi-Use Path	A paved or hard-surface path separated from traffic, officially designated for bicycles and other non-motorized users. Should be at least 8' wide.
Sidewalk	Sidewalks are usually less than 8' wide, and are not designed for bicyclists.
Type of Spot/Area Improvement	For non-linear projects. The pull-down menu gives the following options: Type of Improvement — Code Letter 1. Pedestrian Intersection Improvement — I 2. Pedestrian/Bicycle Bridge or Tunnel — B 3. Traffic Calming — TC 4. Streetscape/Pedestrian Improvements — S 5. Bicycle Parking — PK 6. Bicycle Route Marking — BR 7. Other — O
In CLRP	Project is in the 2005 Financially Constrained Long-Range Transportation Plan for the National Capital Region, and therefore is officially considered to have funding available to support project completion.
In TIP	Project is in the most recent National Capital Region Transportation Improvement Program with specific funding amounts identified for program completion.

Field	Explanation
Status	The pull-down menu offers the following options: 1. Fully Funded[1] — Code Letter F 2. Partially Funded — P 3. Unfunded — U 4. Under Construction — UC 5. Complete* — C
Cost	In thousands of dollars. As many projects in the plan may not be built for many years, and have not been fully scoped, this can be a very rough estimate. If a project is part of a larger project the total project cost is *not* listed, only that portion of the cost which is attributable to the bicycle or pedestrian facility. Use of a rule of thumb for such estimates was acceptable, i.e. 3% of total project cost. Many projects do not have a cost estimate available.

* This database is mean to list planned facilities rather than existing facilities, but as time passes many projects in it will be completed.

[1] "Funded" indicates that the sponsoring agency has considered funding for completion of this project to be reasonably available within projected funding sources. "Unfunded" indicates, that while the project has been identified, there is no projected funding to support its completion at this time.

2006 Draft Bike/Ped Plan Project List

	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
1		Anacostia Riverwalk Trail	Potomac River	Maryland	20	DDOT	☐	☑	☐		☑	☑		$20,000
2		Bicycle Lanes			30	DDOT	☑	☐	☐		☑	☑		$600
3		Bicycle Parking Racks				DDOT	☐	☐	☐		☑	☑		$500
4		Bicycle Route Signs				DDOT	☐	☐	☐	R	☑	☑	P	$300
5		Cultural/Heritage Trail System				DDOT	☐	☐	☐		☑	☑	U	$0
6		Dalecarlia Parkway Trail design	Massachusetts Avenue, NW	Loughboro Road, NW	2	DDOT	☐	☑	☐		☐	☐	P	$1,000
7		Metropolitan Branch Trail	Union Station	Takoma Park	7	DDOT	☑	☑	☐		☑	☑		$20,000
8	CDT D1	New Pedestrian Bridge	Over Anacostia Freeway	Near Firth Sterling		DDOT	☐	☑	☐		☑	☑		$2,000
9		Oxon Run Trail Restoration	South Capitol Street	Southern Avenue	2	DDOT	☐	☑	☐		☑	☑		$1,500
10		Pedestrian Passageway/Tunnel	1st Street Metro Station Kiosk	1st Street, N.E. (Under H Street Overpass)	1	DDOT	☐	☐	☑	O	☑	☑		$2,000
11		Rock Creek Park Trail			4	DDOT, National Park Service	☐	☑	☐		☑	☑		$2,500
12		Rose Park				DDOT	☐	☐	☐		☑	☑		$0
13		Safe Routes to School Program				DDOT	☐	☐	☐		☑	☑	F	$5,000
14		Sidewalk Construction				DDOT	☐	☐	☑		☐	☐		$2,000
15	ZU0	Union Station Bike Station	(Union Station)			DDOT	☐	☐	☐		☑	☑		$600
16		Watts Branch Trail	Minnesota Ave	62nd Street, NE	2	DDOT	☐	☑	☐		☑	☑		$2,500

DRAFT

Key to Codes

B=Bridge or Tunnel C = Complete F = Fully Funded I = Intersection Improvement O = Other P = Partially Funded
PK = Bicycle Parking R = Bicycle Route Marking S = Streetscape U = Unfunded UC = Under Construction

	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
17		College Park Trolley Trail	Paducah Road	Albion Road	4	City of College Park	☑	☑	☐	R	☐	☐	P	$500

DRAFT Key to Codes B=Bridge or Tunnel C = Complete F = Fully Funded I = Intersection Improvement O = Other P = Partially Funded PK = Bicycle Parking R = Bicycle Route Marking S = Streetscape U = Unfunded UC = Under Construction

	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
18	509325	ADA Compliance Transportation Access	Countywide			Montgomery County DPWT	☐	☐	☐		☑	☑		$0
19	SP-76	American Legion Bridge	Macarthur Blvd	Fairfax County Line		MDOT, M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
20	507596	Annual Bikeway Program	countywide			Montgomery County DPWT	☐	☐	☐		☑	☑		$0
21	506747	Annual Sidewalk Program	countywide			Montgomery County DPWT	☐	☐	☐		☑	☑		$0
22	SP-30	Bel Pre Road - east	Georgia Avenue (MD97)	Layhill Road (MD182)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
23		Bethesda Bikeway and Pedestrian Facilities	Bethesda CBD			Montgomery County DPWT	☐	☐	☐	S	☑	☑		$0
24	BL-20	Bowie Mill Road	Muncaster Mill Road (MD115)	Olney-Laytonsville Road (MD108)		Montgomery County DPWT, M-NCPPC	☑	☐	☐		☐	☐		$0
25	DB-4	Bradley Boulevard (MD191)	Persimmon Tree Road	Wisconsin Avenue (MD355)	6	M-NCPPC, Montgomery County, MDOT	☑	☐	☐		☐	☐		$0
26	SP-19	Briggs Chaney Road East	Old Columbia Pike	Prince George's County line		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0
27	BL-14	Briggs Chaney Road West	New Hampshire Avenue	Old Columbia Pike		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
28	SP-75	CCT-Black Hill connector	Crystal Rock Drive	Black Hill Regional Park		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
29	DB-18	Clarksburg Road (MD121)/ Stringtown Road	Clopper Road (MD117)	MidCounty Highway	5	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
30	DB-17	Clopper Road/Diamond Avenue (MD117)	Summit Avenue	Clarksburg Road (MD121)	3	M-NCPPC, Montgomery County, MDOT	☑	☑	☐		☐	☐		$0
31	DB-9	Columbia Pike (US29) North	New Hampshire Avenue/ Lockwood Drive	Spencerville Road (MD198)	7	MDOT, M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
32	SP-66	Corridor Cities Transitway bike path	Shady Grove Metrorail Station	Frederick Road (MD355)		Montgomery County DPWT, MTA	☐	☑	☐		☐	☐		$0

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33	SP-53	Crabbs Branch Way	Gude Drive	Shady Grove Road		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
34	SP-59	Darnestown Road - south	Key West Avenue (MD28)	Wootton Parkway		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
35	DB-16	Darnestown Road (MD28) - North	Seneca Road	Great Seneca Highway (MD119)	5	MDOT, Montgomery County, M-NCPPC	☑	☑	☐		☐	☐		$0
36	SP-2	Democracy Boulevard	Falls Road (MD189)	Old Georgetown Road		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
37	SP-38	Doctor Bird Road/Norwood Road (MD182)	Layhill Road (MD182)	Olney-Sandy Spring Road (MD108)		MDOT, Montgomery County, M-NCPPC	☐	☑	☐		☐	☐		$0
38	SP-44	East Jefferson Street	Montrose Road	Rollins Avenue		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
39	SP-31	Ednor Road/Layhill Road	Norbeck Road (MD28)	New Hampshire Avenue (MD650)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
40	BL-7	Elm Street	Exeter Road	Wisconsin Avenue (MD355)		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
41	BL-25	Executive Boulevard	Woodglen Road/North Bethesda Trail	Montrose Road		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
42	BL-13	Fairland Road - West	Randolph Road	Columbia Pike (US 29)		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
43	SP-18	Fairland Road East	Columbia Pike (US29)	Prince George's County line		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
44	SP-1	Falls Road (MD189)	MacArthur Boulevard	Wootton Parkway	5	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
45	SP-68	Father Hurley Boulevard/Ridge Road	Germantown Road (MD118)	Brink Road		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐	C	$0
46	BL-31	Fieldcrest Road	Woodfield Road (MD124)	Olney-Laytonsville Road (MD108)		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
47	509976	Forest Glen Pedestrian Bridge	west side of Georgia Avenue at Locust Grove Road	west side of Georgia Avenue at Forest Glen Road		Montgomery County DPWT	☐	☐	☐		☑	☑		$0
48	SP-13	Forest Glen Road - central	Belvedere Place	Sligo Creek Trail		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0

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49	SP-64	Frederick Road (MD355)	Gude Drive	Watkins Mill Road	5	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
50	SP-72	Frederick Road (MD355)-Upcounty	Watkins Mill Road	Frederick County line		MDOT, Montgomery County, M-NCPPC	☐	☑	☐		☐	☐		$0
51	SP-6	Georgetown Branch Trail	Bethesda CBD	Silver Spring Metrorail station		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐	C	$0
52	SP-29	Georgia Avenue (MD97) - North	Olney-Laytonsville Road (MD108)	Glenmont Metrorail station	6	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
53	BL-22	Georgia Avenue (MD97) - Upcounty	Brookeville Bypass	Howard County line		MDOT, MCDPWT	☑	☐	☐		☐	☐		$0
54	SP-39	Georgia Avenue (MD97)-Brookeville	Olney-Sandy Spring Road (MD108)	Brookeville Road	2	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
55	SP-67	Germantown Road (MD118)	Darnestown Road (MD28)	Frederick Road (MD355)	7	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
56	SP-24	Glenallen Avenue	Randolph Road	Kemp Mill Road		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
57	BL-1	Goldboro Road (MD614)	MacArthur Boulevard	Bradley Boulevard (MD191)	2	M-NCPPC, Montgomery County, MDOT	☑	☐	☐		☐	☐		$0
58	SP-61	Goshen Road/Brink Road	MidCounty Highway	(Woodfield Road (MD124)		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0
59	SP-23	Greencastle Road - east	Robey Road	Prince George's County line		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0
60	SP-43	Grosvenor Connector	Beach Drive	Metro station		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
61	SP-33	Hines Road-North Branch connector	Rock Creek's North Branch Trail	Cashell Road		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
62	SP-40	ICC bike path	I-370 terminus	Prince George's County line		MDOT, M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0

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63	BL-18	Layhill Road (MD182)	Georgia Avenue (MD97)	Norbeck Road (MD28)	2	MDOT, Montgomery County	☑	☐	☐		☐	☐		$0
64	DB-10	Lockwood Drive	Columbia Pike (US29)	New Hampshire Avenue (MD650)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
65	SP-60	Long Draft Road	Quince Orchard Road	Clopper Road (MD117)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
66	DB-1	MacArthur Boulevard	Seven Locks Road	Falls Road (MD189)		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0
67		Mathew Henson Trail	Alderton Lane	Rock Creek Trail		Montgomery County DPWT	☐	☐	☐		☑	☑		$0
68		Mathew Henson Trail	Rock Creek Trail (west of Viers Mill Rd.)	Georgia Avenue		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☑	☑		$0
69	SP-21	MD198/MD28 shared use path	Layhill Road	Old Columbia Pike	3	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
70	DB-6	MD384 connector to Silver Spring Metro Station	16th Street	East-West Highway	1	Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0
71	SP-12	Metropolitan Branch Trail	Silver Spring Metro Station	DC Line		Montgomery County DPWT	☐	☑	☐		☐	☐		$0
72		Metropolitan Branch Trail	Silver Spring Metro/Transit Center	Montgomery College Campus Takoma Park		Montgomery County DPWT	☐	☑	☐		☐	☐		$0
73	SP-70	MidCounty Highway	ICC	Frederick Road (MD355)		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0
74	SP-71	Middlebrook Road	Father Hurley Boulevard	MidCounty Highway		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
75	SP-50	Montrose Road/Parkway	Falls Road	Veirs Mill Road (MD586)		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0
76	SP-62	Muddy Branch Road	Darnestown Road (MD28)	Clopper Road (MD117)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
77	SP-28	Muncaster Mill Road (MD115)/ Norbeck Road (MD28)	Woodfield Road	Georgia Avenue (MD97)	5	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0

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78	BL-26	Nebel Street - north	Old Georgetown Road	Randolph Road		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
79	DB-13	Nebel Street - south	Nicholson Lane	Old Georgetown Road		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
80	SP-47	Nebel Street extended	Randolph Road	Chapman Avenue		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
81	DB-14	Needwood Road	Redland Road	Muncaster Mill Road (MD115)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
82	SP-11	New Hampshire Avenue	DC Line	I-495	4	MDOT, Montgomery County	☐	☑	☐		☐	☐		$0
83	SP-15	New Hampshire Avenue (MD650) - Ashton	Ednor Road	Olney-Sandy Spring Road (MD108)	2	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
84	BL-11	New Hampshire Avenue (MD650) - Colesville	Randolph Road	Spencerville Road (MD198)	4	M-NCPPC, Montgomery County, MDOT	☑	☐	☐		☐	☐		$0
85	DB-8	New Hampshire Avenue (MD650) - Ednor	Spencerville Road (MD198)	Ednor Road	2	M-NCPPC, Montgomery County, MDOT	☑	☐	☐		☐	☐		$0
86	DB-7	New Hampshire Avenue (MD650) - Hillendale	I-495	Lockwood Drive	1	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
87	BL-27	Nicholson Lane/Parklawn Drive	Nebel Street	Twinbrook Parkway		Montgomery County DPWT, M-NCPPC	☑	☐	☐		☐	☐		$0
88	DB-12	Norbeck Road (MD28)	Georgia Avenue (MD97)	Layhill Road	3	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
89	509922	North Bethesda Trail	Twinbrook Metro Station	Norfolk/Rugby Ave. intersection (Bethesda)		Montgomery County DPWT	☑	☑	☐		☑	☑		$0
90	SP-41	North Bethesda Trail	Cedar Lane	Twinbrook Metrorail station		M-NCPPC, Montgomery County	☑	☑	☐		☐	☐	UC	$0
91	SP-3	North Bethesda Trail-NIH connector	Battery Lane	Cedar Lane		Montgomery County DPWT	☐	☑	☐		☐	☐		$0

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92	509587	North Bethsda Trail Bridges	crossings of I-495 and I-270			Montgomery County DPWT	☐	☐	☐		☑	☑		$0
93	BL-21	Norwood Road	Layhill Road (MD182)	New Hampshire Avenue (MD650)		Montgomery County DPWT, M-NCPPC	☑	☐	☐		☐	☐		$0
94	SP-5	Oaklyn Drive/Persimmon Tree Road	MacArthur Boulevard	Falls Road (MD189)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
95	SP-69	Observation Drive	Germantown Road (MD118)	Frederick Road (MD355)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
96	SP-73	Old Baltimore Road/New Cut Road	Clarksburg Road (MD121)	Frederick Road (MD355)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
97	509953	Old Columbia Pike	E. Randolph Road	MD 198		Montgomery County DPWT	☐	☐	☐		☑	☑		$0
98	SP-36	Olney-Laytonsville Road (MD108) - Laytonsville	Laytonsville Town boundary	Olney Mill Road		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
99	SP-37	Olney-Sandy Spring Road (MD108) - Ashton	Layhill Road (MD182)	Howard County line	2	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
100		Pedestrian Safety Program				Montgomery County DPWT	☐	☐	☐		☐	☐		$0
101	SP-56	Piney Meetinghouse Road	River Road (MD190)	Darnestown Road		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
102	SP-58	Quince Orchard Road	Dufief Mill Road	Darnestown Road (MD28)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
103	BL-15	Randolph Road - central	Parklawn Drive	Veirs Mill Road (MD586)		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
104	SP-26	Randolph Road - east	Veirs Mill Road (MD586)	Kemp Mill Road/ Northwest Branch Trail		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
105	SP-25	Randolph Road - west	Rockville Pike (MD355)	Parklawn Drive		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
106	BL-29	Redland Road - east	Needwood Road	Muncaster Mill Road (MD115)		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
107	SP-54	Redland Road - west	Shady Grove Metrorail station	Needwood Road		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0

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108	SP-65	Richter Farm Road	Great Seneca Highway (MD119)	Clopper Road (MD117)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
109	BL-34	Riffleford Road	Darnestown Road (MD28)	Germantown Road (MD118)		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
110	DB-2	River Road (MD190)	DC line	Seneca Road (MD112)	13	M-NCPPC, Montgomery County, MDOT	☐	☑	☐		☐	☐		$0
111	SP-14	Rock Creek Trail-Forest Glen Metro connector	Stoneybrook Road	Seminary Road		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
112	SP-48	Rock Springs Connector	Democracy Boulevard	Tuckerman Lane		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
113	SP-49	Rockville Pike (MD355) - north	Halpine Road	Veirs Mill Road (MD586)/ Norbeck Road (MD28)		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
114	BL-33	Seneca Road	River Road (MD190)	Darnestown Road (MD28)		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
115	DB-3	Seven Locks Road	Wootton Parkway	MacArthur Boulevard		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0
116	BL-30	Shady Grove Road - east Shady Grove Road - east	Frederick Road (MD355)	Muncaster Mill Road (MD115)		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐	UC	$0
117	DB-15	Shady Grove Road - west	Darnestown Road	Frederick Road (MD355)		M-NCPPC, Montgomery County	☑	☑	☐		☐	☐		$0
118	509975	Silver Spring Green Trail	Silver Spring Metro Station	Sligo Creek Hiker-Biker Trail		Montgomery County DPWT	☑	☐	☐		☑	☑		
119	SP-20	Spencerville Road (MD198) - Fairland	Old Columbia Pike	Prince George's County line	2	MDOT, Montgomery County	☐	☑	☐		☐	☐		$0
120	BL-24	Tilden Lane	Nicholson Lane	Hounds Way		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
121	SP-42	Tuckerman Lane	Old Georgetown Road	Rockville Pike (MD355)		Montgomery County DPWT, M-NCPPC	☑	☐	☐		☐	☐		$0
122	BL-28	Twinbrook Parkway	Frederick Road (MD355)	Veirs Mill Road (MD586)		Montgomery County DPWT, M-NCPPC	☑	☐	☐		☐	☐		$0
123	DB-5	University Boulevard	Georgia Avenue	Prince George's County Line		MDOT, Montgomery County, M-NCPPC	☐	☑	☐		☐	☐		$0

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124	BL-16	Viers Mill Road (MD586) - west	Twinbrook Parkway	Matthew Henson Trail	2	M-NCPPC, Montgomery County, MDOT	☑	☐	☐		☐	☐		$0
125	SP-74	Watkins Mill Road	Frederick Road (MD355)	MidCounty Highway		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
126	SP-10	Wayne Avenue Green Trail	Spring Street	Sligo Creek Trail		Montgomery County DPWT, M-NCPPC	☐	☑	☐		☐	☐		$0
127	SP-4	West Cedar Lane	Old Georgetown Road	Beach Drive		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
128	SP-7	Western Avenue	River Road	Chevy Chase Circle		M-NCPPC, Montgomery County	☐	☑	☐		☐	☐		$0
129	BL-5	Westlake Drive	Westlake Terrace	Tuckerman Lane		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐	C	$0
130	BL-4	Westlake Terrage/Fernwood Road/Green Tree Road	Rockledge Drive	Old Georgetown Road		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
131	BL-8	Willard Avenue Bike Lanes	Willard Avenue Park	Wisconsin Avenue		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
132	BL-2	Wilson Lane (MD188) - west	MacArthur Boulevard	Elmore Lane	2	M-NCPPC, Montgomery County, MDOT	☑	☐	☐		☐	☐		$0
133	SP-8	Wisconsin Avenue Path	Bradley Lane	Oliver Lane		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0
134	BL-6	Woodmont Avenue	Bethesda Avenue	Battery Lane		M-NCPPC, Montgomery County	☑	☐	☐		☐	☐		$0

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135		Addison Road	MD 214	Walker Mill Road		Prince Georges County	☑	☐	☐		☐	☐	P	$2,343
136		Allentown Road	MD 5	Old Fort Road		Prince Georges County	☑	☐	☐		☐	☐		
137		Anacostia River Trail	Bladensburg Marina	Wash. D.C. line		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐	F	$500
138		Auth Road	MD 337 (Allentown Road)	MD 5 (Branch Avenue)		Prince Georges County	☑	☑	☐		☐	☐	F	$450
139		Bock Road	Livingston Road	Tucker Road		Prince Georges County	☑	☐	☐		☐	☐		
140		Brinkley Road	Allentown Road	St. Barnabas road		Prince Georges County	☑	☐	☐		☐	☐		
141		Cabin Branch Trail	Presidential Corporate Center	Western Branch		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐		$1,350
142		Cabin Branch Trail	MD 214	Cheverly Metro		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐		$0
143		Cabin Branch Trail	MD 214	Cheverly Metro		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐		$260
144		Chesapeake Beach Rail-Trail	MD 704	Addison Road Metro		M-NCPPC, Prince Georges County, City of Seat Pleasant	☐	☑	☐		☐	☐		$200
145		Chesapeake Beach Rail-Trail	Capital Beltway	Upper Marlboro		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐		$1,080
146		Chesapeake Beach Rail-Trail	MD 214	Capital Beltway		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐	P	$650
147		Collington Branch Trail	MD 214	Upper Marlboro		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐	P	$2,000
148		East Coast Greenway American Discovery Trail	Washington D.C.	Anne Arundel County		MDOT, M-NCPPC, Prince Georges County	☑	☑	☐		☐	☐		$0
149		Folly Branch Trail	Bald Hill Branch	Glenwood Park Neighborhood Park		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐		$1,000

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150		Fort Foote Road	Oxon Hill Road (north)	Oxon Hill Road (south)		Prince Georges County	☑	☐	☐		☐	☐		
151		Fort Washington Road	MD 210	Fort Washington National Park		Prince Georges County	☑	☐	☐		☐	☐		
152		Good Luck Road	MD 193	MD 201		Prince Georges County	☑	☐	☐		☐	☐		
153		Henson Creek Trail extension	Brinkley Road	Branch Avenue Metro		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐	P	$1,367
154		Livingston Road	Oxon Hill Road	MD 210		Prince Georges County	☑	☐	☐		☐	☐	P	
155		MD 193	MD 564	Montgomery Co. line		MDOT	☑	☑	☐		☐	☐		$0
156		Mitchellville Road	Mount Oak Road	US 301		Prince Georges County	☐	☑	☐		☐	☐		$300
157		Old Fort Road	MD 210	Fort Washington Road		Prince Georges County	☑	☐	☐		☐	☐		
158		Oxon Hill Road	MD 210	Livingston Road		Prince Georges County	☑	☐	☐		☐	☐		
159		Oxon Hill Road	MD 210	Livingston Road		Prince Georges County, DPW&T	☑	☐	☐		☐	☐	P	$0
160		Oxon Hill Road (MD 414)	MD 210	St. Barnabas Road		MDOT	☑	☐	☐		☐	☐		$350
161		Paint Branch Trail extension	Cherry Hill Road	Sellman Road		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐		$250
162		Piscataway Creek Trail	Dower House Branch near Cheltenham	Potomac River		M-NCPPC, Prince Georges County, National Park Service	☐	☑	☐		☐	☐	P	$2,300
163		Potomac Heritage On-Road Bicycle Route	Oxon Cove Park	Piscataway		Prince Georges County, DPW&T	☑	☐	☐		☐	☐		$0
164		Prince George's Connector	Chillum Road	Gallatin Street		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐	F	$400
165		Ritchie Marlboro Road	Old Marlboro Pike	Capital Beltway		Prince Georges County	☐	☑	☐		☐	☐		$1,100
166		Suitland Parkway Trail	Washington D.C.	MD 4	6	National Park Service	☐	☑	☐		☐	☐		$0

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
167		Temple Hills Road	Saint Barnabas Road	Piscataway Road		Prince Georges County	☑	☐	☐		☐	☐		
168		Tinkers Creek Trail	MD 5	Piscataway Creek		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐		$1,600
169		Tucker Road	Saint Barnabas Road	Allentown Road		Prince Georges County	☑	☐	☐		☐	☐		
170		US 1	Sunnyside Avenue	Contee Road		MDOT	☑	☑	☐		☐	☐		$1,000
171		US 1 (College Park)	Sunnyside Avenue	Albion Road		MDOT	☑	☑	☐		☐	☐		$0
172		WB&A Spur Trail	WB&A Trail	Fran Uhler Natural Area		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐		
173		Western Branch Trail	Lottsford Road	Upper Marlboro		M-NCPPC, Prince Georges County	☐	☑	☐		☐	☐		$3,100

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
174		Woodrow Wilson Bridge	Oxon Hill Road	Virginia		MDOT	☐	☑	☐		☑	☑		$0

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
175	9C61	Bicycle Route System Improvements	City wide project			City of Rockville	☐	☐	☐	PK	☐	☐	P	$1,057
176	3C60	Millennium Trail South - Woottom Parkway	W. Edmonston Dr	Veirs Mill Rd	1	City of Rockville	☐	☑	☐		☐	☐	UC	$905
177	3E60	Ped/Bike Bridge Over I-270 along MD 28	Adclare Rd and Nelson Street	Darnestown Road	2	City of Rockville	☐	☑	☐		☐	☐	P	$4,386
178	4B71	Pedestrian Safety	Citywide project			City of Rockville	☐	☐	☐		☐	☐	P	$1,598
179	6B21	West End Sidewalks	Rockville's West End neighborhood			City of Rockville	☐	☐	☐		☐	☐	P	$370

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
180	BL-10	Carroll Avenue Bike Lanes	DC Line	Piney Branch Road		M-NCPPC, Montgomery County	☐	☐	☐		☐	☐		$0

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
181	TransActi	VA 7 Trail	Leesburg	Alexandria		NVTA	☐	☐	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
182		Arlington Boulevard Ped and Bike Trail	N. Meade Street /Arl. Blvd. Bridge	Service Rd		Arlington County, Arlington County	☐	☑	☐		☐	☐		$120
183		Arlington Boulevard Ped and Bike Trail	Fairfax Drive	N. Meade Street		Arlington County, Arlington County	☐	☑	☐		☑	☑		$350
184	BK87	Arlington Boulevard Trail Renovation			1	Arlington County, VDOT	☐	☑	☐		☐	☐	F	$60
185	BK01	Bike Lane Implementation				Arlington County	☑	☐	☐	R	☐	☐		$120
186	TransActi	Clarendon Blvd Trail	Wilson Blvd	Washington Blvd		NVTA	☐	☐	☐		☐	☐		
187	BK59	CUSTIS TRAIL WESTOVER UNDERPASS @ I-66				Arlington County	☐	☐	☐		☐	☐		$75
188	TransActi	Four Mile Run Trail	Shirlington Road	Glebe Road		NVTA	☐	☐	☐		☐	☐		
189	BK93	General Trail Improvements				Arlington County	☐	☐	☐		☐	☐	F	$130
190	TransActi	George Mason Drive Trail	Old Dominion Drive	Four Mile Run Drive		NVTA	☐	☐	☐		☐	☐	U	
191		George Washington Parkway Crossing	Mt. Vernon Bike/Ped Trail	Potomac Yard North Tract		Arlington County, Arlington Co. DPW	☐	☐	☐		☑	☑		$1,000
192		Hoffman - Boston Connector			1	Arlington County	☐	☐	☐		☐	☐	P	$400
193	BK39	I-395 Shirlington Underpass, Four Mile Run Trail	Shirlingotn Rd	West Glebe Rd	1	Arlington County, VDOT	☐	☑	☐		☐	☐	P	$2,000
194	TransActi	Metrorail Trail	Cameron Street	Cyrstal City		NVTA	☐	☐	☐		☐	☐		
195	BK29	OLD DOM. DR. - Lee Hy TO Glebe Rd				Arlington County, VDOT	☐	☐	☐		☐	☐		$1,000
196		Old Jefferson Davis Highway/ Mount Vernon Trail CO				National Park Service	☐	☐	☐		☐	☐		
197		Pedestrian Improvements	in Ballston			Arlington County, Arlington Co. DPW	☐	☐	☐		☐	☐		$500
198		Potomac Yard/Four Mile Run Trail				Arlington County	☐	☐	☐		☐	☐		$350
199	BK91	Route 110 Trail	Memorial Dr	Washington Blvd	1	Arlington County, National Park Service	☐	☑	☐		☐	☐	P	$500
200		Sidewalk Projects				Arlington County, VDOT	☐	☐	☑		☐	☐	P	$1,000

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
201	TransActi	US 50 Trail	Wilson BLVD	Nottingham Street		NVTA	☐	☐	☐		☐	☐		
202	00062146	VA 120 (Glebe Road)	@ 27th Street	@ Ramp from I-395 to West Glebe Road		Arlington County, Arlington County	☐	☐	☐		☑	☑		$100
203		VA 120 (Glebe Road)	N. Randolph Street	Fairfax Drive		Arlington County, Arlington Co. DPW	☐	☐	☐		☑	☑		$1,000
204		VA 123 Bike Path	VA 120	Fairfax County Line		Arlington County, Arlington Co. DPW	☐	☐	☐		☐	☐		$100
205	TransActi	VA 237 Trail	Glebe Road	Washington BLVD		NVTA	☐	☐	☐		☐	☐		
206	TransActi	VA 27 Trail	Arlington Blvd	Columbia Pike		NVTA	☐	☐	☐		☐	☐		
207	BK88	Washington Blvd Trail Phase I	Arlington Blvd	Walter Reed		Arlington County, VDOT	☐	☐	☐		☐	☐	F	$350
208	BK94	Washington Blvd Trail Phase II	Walter Reed Dr	S. Rolfe St.	1	Arlington County	☐	☑	☐		☐	☐	P	$1,000
209	TransActi	Wilson blvd Trail	Wilson Blvd	Key Bridge		NVTA	☐	☐	☐		☐	☐		
210		WO&D Trail Widening				Arlington County	☐	☐	☐		☐	☐		$60

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
211		Mount Vernon Trail Extension	Beltway	Theodore Roosevelt Island		National Park Service, Fairfax County	☐	☐	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
212	CALX-20	@Potomac Yard				City of Alexandria, VDOT	☑	☑	☐		☐	☐		
213	TransActi	Alexandria Local Trail	Eisenhower	Reinkers		NVTA	☐	☐	☐		☐	☐	U	
214	CALX-1	Braddock Road Bikeway	Mt. Vernon Avenue	West Street		City of Alexandria, VDOT	☐	☐	☐		☐	☐		
215	CALX-2	Cameron Station	Pickett Street	Duke Street		City of Alexandria, VDOT	☐	☑	☐		☐	☐		
216	CALX-3	Carlyle Project	Duke Street	Eisenhower Avenue		City of Alexandria	☑	☐	☐		☐	☐		
217	CALX-4	Chambliss Stream Crossing	Chambliss Street Across Holmes Run.			City of Alexandria	☐	☐	☐	B	☑	☐		$400
218	CALX-6	Clermont Drive/I-95 Interchange	Clermont Drive	Under I-95		City of Alexandria, VDOT	☐	☐	☐		☐	☐		
219	CALX-5	Clermont Street/Eisenhower/Pickett Connector	Eisenhower Avenue	Pickett Street		City of Alexandria, VDOT	☑	☑	☐		☐	☐		
220	CALX-7	Duke Street Pedestrian Bridge	Near Cameron Station			City of Alexandria	☐	☐	☐		☑	☐		$400
221	CALX-8	Eisenhower Avenue Trail Connector	Eisenhower Avenue	I-95/I-495/Woodrow Wilson Memorial Bridge		City of Alexandria, VDOT	☐	☐	☐		☐	☐		$0
222	CALX-9	Eisenhower Trail	Cameron Run East	Telegraph Road		City of Alexandria	☐	☐	☐		☐	☐		$8,340
223	CALX-10	Holmes Run Trail	Van Dorn Street North	I-395		City of Alexandria	☐	☐	☐		☐	☐		$500
224	CALX-11	Holmes Run/Raleigh Connector	Holmes Run Park Trail	Raleigh Street		City of Alexandria, VDOT	☐	☐	☐		☐	☐		
225	CALX-12	I-95/I-495 Woodrow Wilson Memorial Bridge - Trail	Prince George's County, MD	Mount Vernon Trail, Alexandria		City of Alexandria	☑	☑	☐		☑	☐		$0
226	CALX-13	King Street Bikeway	WCL Alexandria	I-395		City of Alexandria, VDOT	☐	☐	☐		☑	☐		$0
227	CALX-14	King Street/Walter Reed/Beauregard Interchange	@King St./Beauregard St. and Walter Reed Dr.			City of Alexandria, VDOT	☐	☐	☐		☐	☐		
228	CALX-15	Millrace Connector	Mill Road	Sanitation Plant		City of Alexandria, VDOT	☐	☐	☐		☐	☐		
229	CALX-16	Mt. Vernon Trail/Abingdon Spur	E. Abingdon and George Washington Parkway	South of railroad tracks		City of Alexandria, VDOT	☐	☐	☐		☑	☐		

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230	CALX-17	Multi-use trails, bike lanes, etc.	Within Potomac Yards			City of Alexandria, Developer	☐	☐	☐		☐	☐		$100
231	CALX-18	Northeast Alexandria/Potomac Yards	Braddock Road	Four Mile Run		City of Alexandria, VDOT	☐	☐	☐		☑	☑		
232	CALX-19	Payne Street Connector	Payne Street	Georges Lane		City of Alexandria, VDOT	☐	☐	☐		☐	☐		
233	CALX-21	Sidewalk Connections	City-wide.			City of Alexandria	☐	☐	☐		☑	☐		$100
234	CALX-22	Taney Avenue Connector	Duke Street	Jordan Street		City of Alexandria, VDOT	☐	☐	☐		☐	☐		
235	CALX-23	Tarleton Park Trail/Bikeway	Holmes Run Trail and Cameron Station Trail	Duke Street Bypass		City of Alexandria, VDOT	☐	☐	☐		☐	☐		
236	CALX-24	Telegraph Road/Duke Street	Telegraph Road	Duke Street		City of Alexandria, VDOT	☐	☐	☐		☐	☐		
237	CALX-25	US 1 Interstate Bicycle Route	Fairfax County Line	Arlington County Line		City of Alexandria, VDOT	☐	☐	☐		☑	☐		$400
238	TransActi	VA 236 Trail	Wakefeild Drive	Van Dorn Street		NVTA	☐	☐	☐		☐	☐		
239	CALX-26	VA Route 7 (King Street) Railroad Underpass	King Street Metro Station	Duke Street Bypass Bikeway		City of Alexandria, VDOT	☐	☐	☐		☐	☐		
240	CALX-27	Van Dorn Street/Landmark Corridor	Van Dorn Street	West End		City of Alexandria, VDOT	☑	☑	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
241		Woodrow Wilson Bridge Project	Md State Line	Telegraph Road	2	VDOT	☐	☑	☐		☐	☐	UC	$1,000

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242	00016090	Accotink Gateway Connector Trail	Daniel's Run	Pickett Road		VDOT, City of Fairfax	☐	☐	☐		☐	☐		$0
243	16632	US 29 (Lee Highway) Fairfax Circle	@ US 50			VDOT, City of Fairfax	☐	☐	☐		☑	☑		$0

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244	00018782	Old Town Manassas City Square, Walkways, & Crosswa	Phase I and Phase II			VDOT	☐	☐	☐		☐	☐		$0

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245	00056456	Manassas Drive Sidewalk	Andrew Drive	Euclid Avenue		VDOT, City of Manassas Park	☐	☐	☐		☑	☑		$0

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246		Bicycle Parking (M-70A)	District-Wide			VDOT	☐	☐	☐		☐	☐		$0
247		Interstate Bicycle Route 1				VDOT	☐	☐	☐		☐	☐		
248	70661 + 1	NOVA signal Program	District Wide			VDOT	☐	☐	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
249	68757	RTE 50 - 6-LANE WIDENING	PLEASANT VALLEY RD	LEE RD	1	VDOT	☐	☑	☐		☐	☐	P	

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250	00052472	Accotink Gateway Connector Trail	King Arthur Drive	Wakefield Park		VDOT, Fairfax County	☐	☐	☐		☑	☑		$0
251	XL	Accotink Stream Valley-Dam	Old Keene Mill Road		0	Fairfax County Park Authority	☐	☐	☐		☐	☐		
252	XL	Aline Ave.	Boone Blvd.	Gallows Rd.	0	Fairfax County	☐	☐	☐		☐	☐		
253	XL	Annandale Road	Brice Street		0	Fairfax County	☐	☐	☐		☐	☐		
254	XL	Arlington Boulevard	Graham Road		0	Fairfax County	☐	☐	☐	I	☐	☐		
255	XL	Arlington Boulevard	Peyton Randolph Drive		0	Fairfax County	☐	☐	☐	B	☐	☐		
256	XL	Arlington Boulevard	Patrick Henry Drive		0	Fairfax County	☐	☐	☐	I	☐	☐		
257	58601	Arlington Boulevard (US 50)	Jaguar Trail	Seven Corners	0	VDOT	☐	☐	☐		☐	☐		
258	XL	Backlick Road	Hechinger Drive		0	VDOT	☐	☐	☐	I	☐	☐	P	
259	TransActi	Backlick Road Trail	Lee Highway	Capital Beltway		NVTA	☐	☐	☐		☐	☐		
260	TransActi	Backlick Run Trail	Backlick Road	Clermont Ave		NVTA	☐	☐	☐		☐	☐		
261	TransActi	Beltway Trail	Dolley Madison Boulevard	Live Oak Drive		NVTA	☐	☐	☐		☐	☐		
262	5554	Beulah Street	Franconia Road	Franocia-Springfield Parkway		VDOT	☐	☑	☐		☐	☐		
263	XL	Boone Blvd.	Howard Ave. & Gallows Rd.		0	Fairfax County	☐	☐	☐		☐	☐		
264	XL	Braddock Road	Roanoke Lane to Ox Road	Ox Road	0	Fairfax County	☐	☐	☐		☐	☐		
265	XL	Braddock Road	Wakefield Chapel Road		0	Fairfax County	☐	☐	☐	I	☐	☐		
266	XL	Braddock Road	Rolling Road		0	Fairfax County	☐	☐	☐	I	☐	☐		
267	XL	Braddock Road	Guinea Road		0	Fairfax County	☐	☐	☐	I	☐	☐		
268	TransActi	Braddock Road Trail	Guinea Road	Little River Turnpike		NVTA	☐	☐	☐		☐	☐		
269	XL	Burke Center Parkway	Roberts Road		0	Fairfax County	☐	☐	☐	I	☐	☐		
270		Burke Center Parkway	Marshall Pond Road	Burke Lake Road	1	VDOT	☐	☑	☐		☐	☐	C	
271	5565	Burke Lake Road Widening	Fairfax County Parkway	Lee Chapel Road	1	VDOT	☐	☑	☐		☐	☐	C	
272	TransActi	Capital Beltway Ramp Trail	I-95	US 1		NVTA	☐	☐	☐		☐	☐		
273	XL	Centreville Road	Green Trails Boulevard		0	Fairfax County	☐	☐	☐	I	☐	☐		

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274	XL	Centreville Road	Compton Road		0	Fairfax County Park Authority	☐	☐	☐	I	☐	☐		
275	XL	Centreville Road	New Braddock Road		0	Fairfax County	☐	☐	☐	I	☐	☐		
276	XL	Centreville Road	Sunrise Valley Drive		0	Fairfax County	☐	☐	☐	I	☐	☐		
277	XL	Chain Bridge Road	International Drive		0	Fairfax County	☐	☐	☐		☐	☐		
278	XL	Chain Bridge Road	Dulles Toll Road		0	Fairfax County	☐	☐	☐		☐	☐		
279	XL	Chain Bridge Road	Gosnell Drive	WestBriar Drive	0	Fairfax County	☐	☐	☐		☐	☐		
280	XL	Clarks Crossing Road			0	Fairfax County	☐	☐	☐		☐	☐		
281	UPC5010	Columbia Pike	Powell Lane	Homes Run	0	Fairfax County, VDOT	☐	☐	☐		☐	☐		$1,106
282	00063578	Cross County Trail	Great Falls Park to Alban Road	Lake Accotink Dam to Hunter Village Drive segment		VDOT, Fairfax County	☐	☑	☐		☑	☑		$0
283	XL	Cross County Trail			0	Fairfax County Park Authority	☐	☐	☐		☐	☐		
284	XL	Cub Run Valley Stream Connections			0	Fairfax County Park Authority	☐	☐	☐		☐	☐		
285	XL	Danbury Forest	Lake Accotink Park		0	Fairfax County Park Authority	☐	☐	☐		☐	☐		
286	XL	Dead Run Dr.	Bright Ave. to Congress Ln.		0	Fairfax County	☐	☐	☐		☐	☐		
287	XL	Dolley Madison Boulevard	Great Falls Street/Lewinsville Road		0	Fairfax County	☐	☐	☐		☐	☐		
288	12918	Dranesville Road Widening	Herndon	Route 7	2	VDOT	☑	☐	☐		☐	☐		
289	XL	Fairfax County Parkway	Hooes Road/Seabrook Lane		0	Fairfax County	☐	☐	☐		☐	☐		
290	57167	Fairfax County Parkway	123	7	10	VDOT, Fairfax County	☐	☑	☐		☐	☐		
291	XL	Fairfax County Parkway	Old Keene Mill Road		0	Fairfax County	☐	☐	☐		☐	☐		
292	TransActi	Fairview Avenue Traul	Center Street	Oakview Dr		NVTA	☐	☐	☐		☐	☐		
293	XL	Ferry Landing Road	Old Mount Vernon Road		0	Fairfax County	☐	☐	☐		☐	☐		
294	XL	Fox Mill Road	John Milton Drive		0	Fairfax County	☐	☐	☐		☐	☐		
295	TransActi	Franconia-Springfield Parkway Trail	Loisdale Road	Beulah		NVTA	☐	☐	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
296	XL	Gallows Road	Old Courthouse Rd.		0	Fairfax County	☐	☐	☐		☐	☐		
297	XL	Gallows Road	Idylwood Road		0	Fairfax County	☐	☐	☐		☐	☐		
298	XL	Gallows Road	Annandale Road/Hummer Road		0	Fairfax County	☐	☐	☐		☐	☐		
299	XL	Gallows Road	Leesburg Pike to Boone Blvd.		0	Fairfax County	☐	☐	☐		☐	☐		
300	XL	Georgetown Pike	Applewood Lane to Ad Hoc Road		0	Fairfax County	☐	☐	☐		☐	☐		
301	XL	Georgetown Pike	Innsbruck Road	River Bend Road	0	Fairfax County	☐	☐	☐		☐	☐		
302	XL	Georgetown Pike	Applewood Lane	Seneca Road	0	Fairfax County	☐	☐	☐		☐	☐		
303	60337	Georgetown Pike Multi-Use Path	I-495	Route 7	2	VDOT	☐	☑	☐		☐	☐	P	$845
304	XL	Gosnell Road	Tyspring St. to Raglan Rd.		0	Fairfax County	☐	☐	☐		☐	☐		
305		Great Falls Street Trail	Crutchfeild Street	Hutchinson Street		Fairfax County, VDOT	☐	☐	☐		☐	☐	UC	$596
306	XL	Grist Mill Park			0	Fairfax County	☐	☐	☐		☐	☐		
307	XL	Harrison Lane			0	Fairfax County	☐	☐	☐		☐	☐		
308	TransActi	Haycock Road Trail	Broad Street	I-66		NVTA	☐	☐	☐		☐	☐		
309	TransActi	Hayfield Road Trail	Manchester Road	Telegraph Road		NVTA	☐	☐	☐		☐	☐		
310	XL	Hiddenbrook Road	Dranesville Road		0	Fairfax County	☐	☐	☐		☐	☐		
311	064206	Hilltop Road Trail, Task Order #54	Cedar Lane	Grovemore Lane		Fairfax County	☐	☐	☐		☐	☐	C	$50
312	XL	Holmes Run Stream Valley			0	Fairfax County Park Authority	☐	☐	☐		☐	☐		
313	TransActi	Holmes Run Trail	Columbia Pike	Larston Drive		NVTA	☐	☐	☐		☐	☐		
314	XL	Hunter Mill Road	Sunrise Valley Drive		0	Fairfax County	☐	☐	☐		☐	☐		
315	XL	Hunter Mill Road	Chain Bridge Rd. to Corbalis Park		0	Fairfax County	☐	☐	☐		☐	☐		
316	70736	Huntington Metro Station Vicinity	Pedestrian Improvements			VDOT, Coalition for Smarter Growth	☐	☐	☐		☑	☑		$0
317	TransActi	I-66 Trail	Sully Road	Paddington Lane		NVTA	☐	☐	☐		☐	☐		
318	XL	Jefferson Avenue			0	Fairfax County	☐	☐	☐		☐	☐		
319	XL	Laurel Hill Greenway			0	Fairfax County Park Authority	☐	☐	☐		☐	☐		

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320	XL	Lee Highway	Monument Drive		0	Fairfax County	☐	☐	☐		☐	☐		
321	XL	Lee Highway	I-66		0	Fairfax County	☐	☐	☐		☐	☐		
322	XL	Lee Highway	Gallows Road		0	Fairfax County Park Authority	☐	☐	☐		☐	☐		
323	XL	Lee Highway	Shirley Gate Road to Old Centreville Road		0	Fairfax County	☐	☐	☐		☐	☐		
324	XL	Lee Highway	Stringfellow Road		0	Fairfax County	☐	☐	☐		☐	☐		
325	XL	Lee-Jackson Highway	Alder Woods Lane		0	Fairfax County	☐	☐	☐		☐	☐		
326	XL	Lee-Jackson Highway	Stringfellow Road		0	Fairfax County	☐	☐	☐		☐	☐		
327	XL	Lee-Jackson Highway	Majestic Lane		0	Fairfax County	☐	☐	☐		☐	☐		
328	XL	Leesburg Pike			0	Fairfax County	☐	☐	☐		☐	☐		
329	XL	Leesburg Pike	Patterson Road		0	Fairfax County	☐	☐	☐		☐	☐		
330	XL	Leesburg Pike	Tysons Square Center Entrance		0	Fairfax County	☐	☐	☐		☐	☐		
331	XL	Leesburg Pike	Dranesville Road		0	Fairfax County	☐	☐	☐		☐	☐		
332	XL	Leesburg Pike	South Jefferson Street		0	Fairfax County	☐	☐	☐		☐	☐		
333	XL	Leesburg Pike	Magarity Road		0	Fairfax County	☐	☐	☐		☐	☐		
334	XL	Leesburg Pike	Patrick Henry Drive		0	Fairfax County	☐	☐	☐		☐	☐		
335	XL	Leesburg Pike	Tyco Road/Westwood Center Drive		0	Fairfax County	☐	☐	☐		☐	☐		
336	XL	Leesburg Pike	Magarity Road		0	Fairfax County	☐	☐	☐		☐	☐		
337	XL	Leesburg Pike	Glen Carlyn Road		0	Fairfax County	☐	☐	☐		☐	☐		
338	XL	Leesburg Pike	Baron Cameron Avenue/Springvale Road		0	Fairfax County	☐	☐	☐		☐	☐		
339	XL	Lewinsville Road	Balls Hill Road		0	Fairfax County	☐	☐	☐		☐	☐		
340	XL	Lido Place Walkway			0	Fairfax County	☐	☐	☐		☐	☐		
341	XL	Little River Turnpike	Braddock Road		0	Fairfax County	☐	☐	☐		☐	☐		
342	XL	Little River Turnpike	Backlick Road		0	Fairfax County	☐	☐	☐		☐	☐		

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343	XL	Little River Turnpike	Virginia Street to Chowan Avenue		0	Fairfax County	☐	☐	☐		☐	☐		
344	63717	Little River Turnpike	Oasis Drive	Beauregard	0	VDOT, Fairfax County	☐	☐	☐		☐	☐		$1,318
345	XL	Loisdale Road	Loisdale Court/Springfield Mall Entrance		0	Fairfax County	☐	☐	☐		☐	☐		
346	98	Lorton Road Widening	US 1	Route 748	0	VDOT	☐	☐	☐		☐	☐	UC	
347	TransActi	Manassas Clifton Trail	Park Center Ct	South County East West Trail		NVTA	☐	☐	☐		☐	☐		
348	TransActi	Manchester Road Trail	Beulah Street	Hayfield			☐	☐	☐		☐	☐	U	
349	XL	Mason Neck Trail	Richmond Highway to Pohick Bay Park		0	Fairfax County	☐	☐	☐		☐	☐		
350	XL	Mason Neck Trail			0	Fairfax County	☐	☐	☐		☐	☐		
351	W00500/	Mason Walkways/Braddock Rd @Elmdale Ped Bridge	Braddock Rd at Green Spring Gardens Park	Braddock Rd at Green Spring Gardens Park		Fairfax County	☐	☐	☐		☐	☐	C	$55
352	XL	Mount Vernon High School			0	Fairfax County	☐	☐	☐		☐	☐		
353	TransActi	Mt Vernon Trail Ext.	Potomac Heritage Trail	GW Parkway		NVTA	☐	☐	☐		☐	☐		
354	XL	North Kings Highway	Huntington Metro		0	Fairfax County	☐	☐	☐		☐	☐		
355	00063577	NoVi (Northern Vienna) Trail	Phase I			VDOT, Fairfax County	☐	☐	☐		☑	☑		$0
356	XL	Old Centreville Rd. Trail	Old Mill Community	P-n-R Lot at Centreville Methodist Church	0	Fairfax County	☐	☐	☐		☐	☐		
357	XL	Old Columbia Pike	Elmdale Road		0	Fairfax County	☐	☐	☐		☐	☐		
358	XL	Old Courthouse Rd.	8310-8320 Old Courthouse Rd.		0	Fairfax County	☐	☐	☐		☐	☐		
359	XL	Old Gallows Rd	Gallows Branch Rd		0	Fairfax County	☐	☐	☐		☐	☐		
360	XL	Old Keene Mill Road	Burke Woods Rd. to Four Oaks Ln.		0	Fairfax County	☐	☐	☐		☐	☐		
361	XL	Old Keene Mill Road	Shiplett Boulevard		0	Fairfax County	☐	☐	☐		☐	☐		
362	XL	Old Keene Mill Road	Sydenstricker Road		0	Fairfax County	☐	☐	☐		☐	☐		
363	TransActi	Old Ox Road Trail	Old Ox Road	Herndon Parkway		NVTA	☐	☐	☐		☐	☐		
364	T1116	Pedestrian Improvements, Bus Stop Access Improvmen	Bike Projects	Fairfax County		Fairfax County, VDOT	☐	☐	☐		☑	☑		$0

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365	TransActi	Potomac Heritage Trail	Northern End fo Beltway Trail	american legion bridge		NVTA	☐	☐	☐		☐	☐		
366	XL	Ravensworth Road	Kalorama Drive to Braddock Road		0	Fairfax County	☐	☐	☐		☐	☐		
367	XL	Reston Parkway	Fox Mill Road		0	Fairfax County	☐	☐	☐		☐	☐		
368	XL	Reston Parkway	Sunrise Valley Drive		0	Fairfax County	☐	☐	☐		☐	☐		
369	XL	Richmond Highway	Southgate Drive		0	Fairfax County	☐	☐	☐		☐	☐		
370	XL	Richmond Highway	Buckman Road (north)		0	Fairfax County	☐	☐	☐		☐	☐		
371	XL	Richmond Highway	Belford Drive (south)		0	Fairfax County	☐	☐	☐		☐	☐		
372	XL	Richmond Highway	Kings Village Drive		0	Fairfax County	☐	☐	☐		☐	☐		
373	XL	Richmond Highway	Kings Highway		0	Fairfax County	☐	☐	☐		☐	☐		
374	XL	Richmond Highway	Fordson Road		0	Fairfax County	☐	☐	☐		☐	☐		
375	XL	Richmond Highway	Frye Road		0	Fairfax County	☐	☐	☐		☐	☐		
376	XL	Richmond Highway	Lukens Lane		0	Fairfax County	☐	☐	☐		☐	☐		
377	XL	Richmond Highway	Ladson Lane		0	Fairfax County	☐	☐	☐		☐	☐		
378	XL	Richmond Highway	Dart Drive		0	Fairfax County	☐	☐	☐		☐	☐		
379	XL	Richmond Highway	Backlick Road		0	Fairfax County	☐	☐	☐		☐	☐		
380	XL	Richmond Highway	Lockheed Boulevard		0	Fairfax County	☐	☐	☐		☐	☐		
381	XL	Richmond Highway	Mohawk Lane		0	Fairfax County	☐	☐	☐		☐	☐		
382	XL	Richmond Highway	Arlington Drive		0	Fairfax County	☐	☐	☐		☐	☐		
383	XL	Richmond Highway	Shields Avenue to Quander Road		0	Fairfax County	☐	☐	☐		☐	☐		
384	XL	Richmond Highway	Janna Lee Avenue		0	Fairfax County	☐	☐	☐		☐	☐		
385	XL	Richmond Highway	Kings Highway		0	Fairfax County	☐	☐	☐		☐	☐		
386	XL	Richmond Highway	Highland Lane	Woodlawn Court	0	Fairfax County	☐	☐	☐		☐	☐		
387	XL	Richmond Highway	Woodlawn Court to Sacramento Drive		0	Fairfax County	☐	☐	☐		☐	☐		
388	XL	Richmond Highway	Sacramento Drive		0	Fairfax County	☐	☐	☐		☐	☐		
389	XL	Richmond Highway	Napper Road		0	Fairfax County	☐	☐	☐		☐	☐		

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390	XL	Richmond Highway	Sherwood Hall Lane		0	Fairfax County	☐	☐	☐		☐	☐		
391	XL	Richmond Highway	Popkins Lane		0	Fairfax County	☐	☐	☐		☐	☐		
392	XL	Richmond Highway	Frye Road	Sky View Lane	0	Fairfax County	☐	☐	☐		☐	☐		
393	XL	Richmond Highway	Quander Road		0	Fairfax County	☐	☐	☐		☐	☐		
394	XL	Richmond Highway	Buckman Road (south)		0	Fairfax County	☐	☐	☐		☐	☐		
395	XL	Richmond Highway	Old Mill Road/Mt. Vernon Memorial Highway		0	Fairfax County	☐	☐	☐		☐	☐		
396	XL	Richmond Highway	Sacramento Drive	Old Mill Rd.	0	Fairfax County	☐	☐	☐		☐	☐		
397	XL	Richmond Highway Bus Stop Walkways			0	Fairfax County	☐	☐	☐		☐	☐		
398		Richmond Hwy (US 1) Ped & Bike Improvements	Kings Hwy (633)	Mt. Vernon Hwy (235)	6	Fairfax County	☐	☑	☑	I	☑	☑	P	$8,000
399	XL	Roberts Road	GMU		0	Fairfax County	☐	☐	☐		☐	☐		
400		Route 1 widening	Telegraph Road	Lorton Road		VDOT	☐	☑	☐		☐	☐	UC	
401	52327	Route 7 Widening	Rolling Holly Drive	Tyco Road		VDOT	☐	☑	☐		☐	☐		
402	XL	Soapstone Drive	South Lakes Drive		0	Fairfax County	☐	☐	☐		☐	☐		
403	TransActi	South County East West Trail	Manassas Clifton Trail	I-395		NVTA	☐	☐	☐		☐	☐		
404	XL	South Lakes Drive	Colts Neck Road to Olde Crafts Drive		0	Fairfax County	☐	☐	☐		☐	☐		
405	XL	Springhill Road	Dulles Toll Road		0	Fairfax County	☐	☐	☐		☐	☐		
406	XL	Stringfellow Road	Lee-Jackson Highway to I-66		0	Fairfax County	☐	☐	☐		☐	☐		
407	XL	Sunset Hills Road	Fairfax County Parkway to Reston Parkway		0	Fairfax County	☐	☐	☐		☐	☐		
408	XL	Sunset Hills Road	Plaza America		0	Fairfax County	☐	☐	☐		☐	☐		
409	XL	Sunset Hills Road	Reston Parkway to Wiehle Avenue		0	Fairfax County	☐	☐	☐		☐	☐		
410	XL	Sunset Hills Road	Plaza America		0	Fairfax County	☐	☐	☐		☐	☐		
411	XL	Sunset Hills Road	Dressage Drive to Lake Fairfax Business Park		0	Fairfax County	☐	☐	☐		☐	☐		

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412	TransActi	Telegraph Road Trail	Richmond Highway	King Highway		NVTA	☐	☐	☐		☐	☐		
413	70632	Trail and Pedestrian Improvements	Fairfax County wide			VDOT, Fairfax County	☐	☐	☐		☑	☑		$0
414	C-058/050	Trail Construction/Linway Terrace Safety Upgrade	6330 Linway Terrace	6332 linway Terrace		Fairfax County	☐	☐	☐		☐	☐	C	$43
415	72295	Trap Road	Wolf Trap Farm Park	Beulah Road	1	VDOT	☐	☐	☑		☐	☐		$2,242
416	XL	Tuttle Road			0	Fairfax County	☐	☐	☐		☐	☐		
417	70602	Tysons Corner	Pedestrian Improvements Identified by	the HJR 276 Committee		VDOT, Fairfax County	☐	☐	☐		☑	☑		$0
418	XL	Tysons Priority Access Improvement Projects			0	Fairfax County	☐	☐	☐		☐	☐		
419	XL	Union Mill Road			0	Fairfax County	☐	☐	☐		☐	☐		
420	00063576	Union Mill Trail				VDOT, Fairfax County	☐	☐	☐		☑	☑		$0
421	TransActi	US 29 Trail	Dixie Hill Road	Vietch Street		NVTA	☐	☐	☐		☐	☐		
422	11395	US 29 Widening	WEST MERRILEE DRIVE	ROUTE I-495	1	VDOT, Fairfax	☐	☑	☐		☐	☐		
423	56780	US 50 install median barrier & fence	VA 7	Patrick Henry Drive	0	VDOT, Fairfax County	☐	☐	☐		☑	☑		$601
424	56866	US 50 Pedestrian Bridge	Vicinity of the Seven Corners Shopping Center			VDOT, Fairfax County	☐	☐	☐	B	☑	☑		$5,000
425	58601	US 50 Pedestrian Improvements	Jaguar Trail	Seven Corners		VDOT, Fairfax County	☐	☐	☐		☑	☑		$1,783
426	TransActi	US 50 Trail	Nutley Street	Arlington Blvd		NVTA	☐	☐	☐		☐	☐		
427	TransActi	US Bike 1 Trail	US 1	VA 123		NVTA	☐	☐	☐		☐	☐		
428	00052041	VA 193 - Georgetown Pike Trail	Innsbruck Road	River Bend Road		VDOT, Fairfax County	☐	☐	☐		☑	☑		$0
429	TransActi	VA 28 Trail	Walney Road	Dulles Toll Road		NVTA	☐	☐	☐		☐	☐		
430	TransActi	VA 638 Trail	South County East West Trail	I-95		NVTA	☐	☐	☐		☐	☐		
431	TransActi	VA 7100 Trail	Monument Drive	Lee Chapel		NVTA	☐	☐	☐		☐	☐		
432	XL	Walker Road	Great Falls School	Beach Mill Road	0	Fairfax County	☐	☐	☐		☐	☐		
433	XL	Walker Road	Columbine Street	Colvin Run Road	0	Fairfax County	☐	☐	☐		☐	☐		
434	XL	Walker Road	Arnon Chapel Road to Verizon property		0	Fairfax County	☐	☐	☐		☐	☐		

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435	00052042	Walker Road Trail	Columbine Street	Colvin Run Road		VDOT, Fairfax County	☐	☐	☐		☑	☑		$0
436	XL	West Ox Road	Ox Trail to Lawyers Road		0	Fairfax County	☐	☐	☐		☐	☐		
437		West Ox Road (route 608)	Ox Trail Road	Lawyers Road		VDOT	☐	☑	☐		☐	☐		
438	XL	Wiehle Avenue			0	Fairfax County	☐	☐	☐		☐	☐		
439	XL	Woodford Road	Wolftrap Road		0	Fairfax County	☐	☐	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
440	TransActi	Tri-County Parkway Trail	Braddock Road	Sudley Road		NVTA	☐	☐	☐		☐	☐		

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441	00052449	Sugarland Run Trail	W&OD Trail	Fairfax County's Sugarland Run Trail		VDOT, Town of Herndon	☐	☐	☐		☑	☑		$0

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442	TransActi	Algonkian Parkway Trail	Harry Bird Highway	Unnamed 5		NVTA	☐	☐	☐		☐	☐		
443	TransActi	Atlantic Boulevard Trail	Harry Bird Highway	Church Road		NVTA	☐	☐	☐		☐	☐		
444	18992	BATTLEFIELD PARKWAY - 4 LANES ON 6 LANE R/W	KINCAID BOULEVARD	ROUTE 7	1	VDOT	☐	☑	☑		☐	☐	P	
445	TransActi	Berlin turnpike Trail	Harpers Ferry Bridge WV	Charles Town Pike		NVTA	☐	☐	☐		☐	☐		
446	TransActi	Claiborne Parkway Trail	Loudoun County Parkway Trail	Ryan Road		NVTA	☐	☐	☐		☐	☐	UC	
447	TransActi	Dulles Toll Road Trail	Sully Road	Memorial Highway		NVTA	☐	☐	☐		☐	☐		
448	58922	Loudoun Cnty Pkwy WIDEN UNPVD 2 LN TO 4 LNS DIV ON	1.9 MILES SOUTH ROUTE	0.5 MILE SOUTH ROUTE 7	1	VDOT	☐	☑	☑		☐	☐	P	
449	TransActi	Loudoun County Parkway Trail	Ryan Road	W&OD Trail		NVTA	☐	☐	☐		☐	☐	U	
450	TransActi	Loudoun County Parkway Trail	Mosby highway	Ryan Road		NVTA	☐	☐	☐		☐	☐		
451	13096	Old Ox Road Widening (Rt. 606)	Mills Road (Rt. 621)	Dulles Greenway (Rt. 267)	5	VDOT,	☐	☑	☐		☐	☐		
452	70760	PACIFIC BOULEVARD (MPO PROJECT	AUTOWORLD DRIVE (NORTHERN TERMINUS	SEVERN WAY	1	VDOT	☐	☑	☐		☐	☐		
453	TransActi	Shaw Road Trail	W&OD Trail	Dulles Toll Road		NVTA	☐	☐	☐		☐	☐		
454	TransActi	US 15 Trail	Braddock Road	James Monroe Highway		NVTA	☐	☐	☐		☐	☐		
455	TransActi	US 50 Trail	Fauquier County Line	Pleasant Valley Drive		NVTA	☐	☐	☐		☐	☐		
456	TransActi	VA 690 Trail	Main Street	W&OD Trail		NVTA	☐	☐	☐		☐	☐		
457	TransActi	VA 734 Trail	US 50	Harry Byrd Highway		NVTA	☐	☐	☐		☐	☐		
458	TransActi	VA 772 Trail	Belmont Ridge Road	Ryan Road		NVTA	☐	☐	☐		☐	☐		
459	00063583	VA 846 (Sterling Boulevard)	VA 28	US 7		VDOT, Loudoun County	☐	☐	☐		☑	☑		$0
460	TransActi	VA 9 Trail	Harpers Ferry Road	Harry Byrd Highway		NVTA	☐	☐	☐		☐	☐		
461	00056454	W&OD Trail Extension	W&OD Trail End (Purcellville)	Round Hill	3	VDOT, Loudoun County	☐	☑	☐		☑	☑	P	$1,700
462		W&OD/White's Ferry Connection to C&O	W&OD	Potomac River at White's Ferry		VDOT, Northern Virginia Regional Park	☐	☐	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
463	68757	US 50	Pleasant valley Drive	Lee Road	1	VDOT	☐	☑	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
464	TransActi	Prince William Parkway Trail	Prince William Parkway	Signal Hill Road		NVTA	☐	☐	☐		☐	☐	U	

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
465	13532 + 1	123 Widnening	Davis Road	South Burke Lake Road	9	VDOT	☐	☑	☐		☐	☐	P	

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
466	TransActi	234 BYPASS trail	Braddock Road	Lee Highway		NVTA	☐	☐	☐		☐	☐	UC	
467	72726	234 Off-Road Multi Use Trail	Lake Jackson Drive	PW Parkway	1	VDOT	☐	☑	☐		☐	☐	P	$649
468	TransActi	Bike Route 1	Fleetwood Drive	Dumfries Road		NVTA	☐	☐	☐		☐	☐	U	
469	71721	Bus 234 Add Signalized Crosswalks	All Major Intersections	All Major Intersections		VDOT	☐	☐	☐	I	☐	☐		$650
470	71758	Bus 234 Sidewalk/Ramps Improvments	Balls Ford Road	Godwin Drive		VDOT	☐	☐	☐	I	☐	☐		$515
471	TransActi	Godwin Drive Trail	Sudley Road	Nokesville Road		NVTA	☐	☐	☐		☐	☐	UC	
472	TransActi	Gordon Blvd Trail	US 1	Commerce		NVTA	☐	☐	☐		☐	☐		
473	TransActi	Liberia Avenue Trail	Old Bridge Road	Jefferson Davis Highway		NVTA	☐	☐	☐		☐	☐	UC	
474	TransActi	Linton Hall Road Trail	Lee Highway	Nokesville Road		NVTA	☐	☐	☐		☐	☐		
475	14932	Linton Hall Road Widening	Glenkirk Road	Devlin Road		VDOT	☐	☑	☐		☐	☐		$8,000
476	TransActi	Minnieville Road Trail	Dumfries Road	Old Bridge Road		NVTA	☐	☐	☐		☐	☐	U	
477	TransActi	New Cherry Hill Road	Potomac Heritage Trail	Potomac Parkway Trail		NVTA	☐	☐	☐		☐	☐		
478	TransActi	Old Bridge Road Trail	Prince William Parkway	Poplar Lane		NVTA	☐	☐	☐		☐	☐	U	
479	00015172	Pedestrian Bridge over CSX Railroad	Veterans Memorial Park	DOT #860626C		VDOT	☐	☐	☐		☐	☐	C	$3,119
480	TransActi	Potomac Heritage Trail	Wharton Drive	Jefferson Davis Highway		NVTA	☐	☐	☐		☐	☐	U	
481	TransActi	Potomac Parkway trail	Old Stage Coach Road	New Cherry Hill Road		NVTA	☐	☐	☐		☐	☐		
482	TransActi	Prince William Parkway trail	Nokesville Road	Dumfries Road		NVTA	☐	☐	☐		☐	☐		
483	17984 + 5	Route 28 Trail Extension	Fauquier Co. Line	Vint Hill Road	7	VDOT	☐	☑	☐		☐	☐		$0
484	TransActi	Spriggs Road Trail	Hoadly Road	Dumfries Road		NVTA	☐	☐	☐		☐	☐		
485	TransActi	US 1 Trail	Stafford County	I-495		NVTA	☐	☐	☐		☐	☐		
486	00050009	VA 234 Bike Trail	US 1 to I-95 &	Montclair to vic. Manassas	9	VDOT	☐	☑	☐		☑	☑		$0
487	TransActi	VA 234 Trail	Dumfries Road	Jefferson Davis Highway		NVTA	☐	☐	☐		☐	☐		
488	TransActi	VA 784 Trail	Delaney Blvd	US 1		NVTA	☐	☐	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
489	TransActi	VA 123 Trail	Clifton Road	Gordon Boulevard		NVTA	☐	☐	☐		☐	☐		

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
490	77170	Multiple Sidewalk Enhancements	Purceville			VDOT	☐	☐	☐		☐	☐	P	
491	71734	PURCELLVILLE - BICYCLE ACCESS TO HIGH SCHOOL & W&O				VDOT	☐	☐	☐		☐	☐	P	

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
492	00016636	Pedestrian/Bicycle Plaza & Pathways	Town of Clifton	- Phase II		VDOT	☐	☐	☐		☑	☑		$0

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
493	00063581	Main Street	Town of Hamilton			VDOT, Town of Hamilton	☐	☐	☐		☑	☑		$0

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
494	00016637	Town of Haymarket	Streetscaping	Phase I		VDOT, Town of Haymarket	☐	☐	☐		☐	☐		$0
495	00064766	Town of Haymarket Streetscaping	Washington Street	Phase II		VDOT, Town of Haymarket	☐	☐	☐		☑	☑		$0

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
496	70587	PEDESTRIAN STUDY & IMPROVEMENTS	Town of Hillsboro	On 704		VDOT	☐	☐	☐		☐	☐	P	

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PK = Bicycle Parking R = Bicycle Route Marking S = Streetscape U = Unfunded UC = Under Construction

	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
497	00017601	Ped & Bike Path Network	Town of Lovettsville			VDOT, Town of Lovettsville	☐	☐	☐		☑	☑		$0

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
498	00056458	Riverfront Boardwalk	on the Occoquan River	in the Town of Occoquan		VDOT, Town of Occoquan	☐	☐	☐		☑	☑		$0

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
499	00060040	Potomac Avenue	CSX Railroad	Potomac River		VDOT, Town of Quantico	☐	☐	☐		☑	☑		$0
500	00017600	Potomac Transportation Facility	AMTRAK / VRE Station	Potomac River		VDOT, Town of Quantico	☐	☐	☐		☑	☑		$0

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	Project ID	Project/Facility Name	From	To	Length (Miles)	Responsible Agencies	Bike Lane	Path	Side walk	Spot/ Area	In CLRP	In TIP	Status	Cost ($1,000s)
501		Boundary Channel Bridge Trails				National Park Service	☐	☐	☐		☐	☐		
502		Rosslyn Circle Crossing	N. Lynn St	Ft. Myer Dr		Arlington County, VDOT	☐	☐	☐		☐	☐	F	$1,000
503		Theodore Roosevelt Bridge				DDOT, National Park Service	☐	☐	☐		☐	☐		

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Appendix B

Data Dictionary and Sample Database Entry Form

For the Regional Database of Bicycle and Pedestrian Projects in the Long-Range Bicycle and Pedestrian Plan for the National Capital Region

FIELD	EXPLANATION
COG Project ID	COG's internal identifying number for the project in this database
Agency Project ID	The responsible agency's project identifying number
Project Name	Descriptive name provided by the sponsoring agency
From	Project Limits
To	Project Limits
Length of Project	Length of the project from start to finish. Example: if a project consists of four miles of road with a continuous bike lane and sidewalk, the project length is four miles.
Jurisdiction(s)	Jurisdiction(s) in which the project is located
State	State or States in which the project is located.
Agency	Lead agency that is responsible for implementing the project
Secondary Agency	Other agency involved in the project
Cost	In thousands of dollars. As many projects in the plan may not be built for many years, and have not been fully scoped, this can be a very rough estimate. If a project is part of a larger project the total project cost is *not* listed, only that portion of the cost which is attributable to the bicycle or pedestrian facility. Use of a rule of thumb for such estimates was acceptable, i.e. 3% of total project cost. Many projects do not have a cost estimate available.
URL for more project information	If the project has a web site, or if the agency has more detail on its web site, the URL may be listed.
Project Manager Name	If the project has a project manager, his or her name may be listed.
Project Manager's Phone	
Project Manager's E-mail	
Project is in the CLRP	Project is in the 2005 Financially Constrained Long-Range Transportation Plan for the National Capital Region, and therefore is officially considered to have funding available to support project completion.
Project is in the TIP	Project is in the most recent National Capital Region Transportation Improvement Program with specific funding amounts identified for program completion.

Project is Part of a Larger Project	Is the project part of a larger project, i.e. a highway, bridge, or transit project?
Length of Bike Lane	Bike lanes are striped lanes at least 4' wide in the public right-of-way, marked for the exclusive use of bicyclists. If a bike lane is found on both sides of the street for four miles, it should be reported as four miles of bike lane, not eight.
Length of Multi-Use Path	A paved or hard-surface path separated from traffic, officially designated for bicycles and other non-motorized users. Should be at least 8' wide.
Length of Sidewalk	Sidewalks are usually concrete, less than 8' wide, and have other design characteristics (street furniture, limited sight-lines) that render them unsuitable for all but the slowest bicyclists.
Type of Spot/Area Improvement	For non-linear projects. The pull-down menu gives the following options: Type of Improvement — Code Letter 1. Pedestrian Intersection Improvement — I 2. Pedestrian/Bicycle Bridge or Tunnel — B 3. Traffic Calming — TC 4. Streetscape/Pedestrian Improvements — S 5. Bicycle Parking — P 6. Bicycle Route Marking — BR 7. Other — O
Path Alignment	Is the multi-use path along a road, or is it on its own right-of-way? This field is meant to distinguish between side-paths, which are built adjacent to a road and cross numerous drive-ways and intersections, and a multi-use path on its own right of way, such as an old railroad, canal tow-path, or stream valley. Paths built along limited-access highways and parkways such at the Mount Vernon Trail should be listed as being built on an independent route, since they have few intersection or driveway conflicts, and are set back some distance from the roadway for most of their length.
Status	The pull-down menu offers the following options: Code Letter 1. Fully Funded[1] — F 2. Partially Funded — P 3. Unfunded — U 4. Under Construction — UC 5. Complete — C

[1] "Funded" indicates that the sponsoring agency has considered funding for completion of this project to be reasonably available within projected funding sources. "Unfunded" indicates, that while the project has been identified, there is no projected funding to support its completion at this time.

	This database is mean to list planned facilities rather than existing facilities, but as time passes many projects in it will be completed.
Year of Completion or Implementation	If the project has been completed or implemented, in what year did that happen?
Project Within a Regional Activity Center	Is the project located with in a regional activity center or cluster? See the link for on-line information on activity centers and clusters. A paper map of centers and clusters, which is easier to read than the one on the web, will be sent to anyone who requests one.
Project is Between Regional Activity Centers	Project connects one regional activity center or cluster with another
Maintenance	Project is primarily maintenance or reconstruction of an existing facility
Project Connects to a Transit Facility	Project connects to a metrorail station, commuter rail station, or transit center
BikeNetConnect	Bicycle Network Connectivity. Does the project improve the connectivity of the regional bicycle network? Does it connect to any existing bicycle facilities?
Pedestrian Safety Project	Is the primary purpose of this project to improve pedestrian safety?
Project Identified as a 2005 Regional Priority*	Is the project one of the regional priority unfunded bicycle and pedestrian projects recommended by the Transportation Planning Board for consideration in the TIP? (The most recent list, with descriptions, is shown below)

Transportation Planning Board

National Capital Region Bicycle and Pedestria

- Search
- Results List All

Log Out

Bike Ped Plan

Last I

Related Records: Agency

COG Project ID	167967369
Agency Project ID	
Project Name	Metropolitan Branch Trail
From	Union Station
To	Takoma Park
Length of Project	7 (miles)
Description	Construct a 7 mile trail along the red line from Union Station t
Jurisdiction(s)	Washington
State	
Agency	DDOT
Secondary Agency	
Cost	$ 20000 (In Thousands)
URL for More Project Information	www.metbranchtrail.com

Project Manager's Name	Chris Holben
Project Manager's Phone	202 671 2638
Project Manager's Email	chris.holben@dc.gov
Project Is In the CLRP	(•) Yes ( ) No
Corresponding CLRP Project ID	
Project Is In the TIP	(•) Yes ( ) No
Corresponding TIP Project ID	
Project Is Part of a Larger Project	( ) Yes (•) No
Length of Bike Lane	2 (miles)
Length of Multi-Use Path	5 (miles)
Length of Sidewalk	(miles)
Type of Spot/Area Improvement	
Path Alignment	
Status	
Year of Completion or Implementation	2009
Project Within a Regional Activity Center	(•) Yes ( ) No Information on Regional Activity Centers
Project Is Between Regional	(•) Yes ( ) No

Activity Centers	
Maintenance	○ Yes ◉ No
Project Connects To a Transit Facility	◉ Yes ○ No
BikeNetConnect	◉ Yes ○ No
Pedestrian Safety Project	○ Yes ◉ No
Project Is In Local Plan	◉ Yes ○ No
Project Identified as a 2005 Regional Priority	◉ Yes ○ No
Comments	
Record Last Modified On	

First Previous

Update Delete Back To Results Reset

Appendix C

Bicycle and Pedestrian Projects
In the 2004 CLRP

2005 CLRP Bicycle and Pedestrian Project List

Facility	From	To	Complete In	Cost ($1,000s)
District of Columbia				
District-wide Bicycle Management Program	Bicycle racks, lanes and bicycle signs		2010	$800
Watts Branch				$400
Upper Rock Creek Trail Study			2007	$1,000
Union Station Bike Station			2006	$500
Oxon Run Trail Restoration			2007	$500
Farragut Station Pedestrian Tunnel			2007	$100
National Recreational Trails			2012	$180
Kingman Island Trail Construction	Two island in the Anacostia River south (downstream)	Benning Road in Ward 7	2005	$600
Rock Creek Park Trail			2007	$2,000
Anacostia Riverwalk Trail	Benning Road to Naval Yard (West Side of River)	Bladensburg Trail to Naval Annex (East Side of River)	2012	$14,400
Rose Park				$300
Metropolitan Branch Trail			2009	$12,500
East Entrance Foggy Bottom			2007	$100
Cultural/Heritage Trail System	Citywide		2007	$400
Maryland				
North Bethsda Trail Bridges	crossings of I-495 and I-270		2004	$5,313
Old Columbia Pike	E. Randolph Road	MD 198	2005	$2,847
Annual Bikeway Program	countywide			$2,944
Forest Glen Pedestrian Bridges	west side of Georgia Avenue at Locust Grove Road	west side of Georgia Avenue at Forest Glen Road	2006	$7,709
North Bethesda Trail	Twinbrook Metro Station	Norfolk/Rugby Ave. intersection (Bethesda)	2005	$1,470
Mathew Henson Trail	Rock Creek Trail (west of Viers Mill Road)	Alderton Lane	2007	$4,570
Metropolitan Branch Trail	Silver Spring Metro/Transit Center	Montgomery College Campus in Takoma Park	2007	$5,300
Silver Spring Green Trail	Silver Spring Metro Station	Sligo Creek Hiker-Biker Trail	2007	$6,060
Pedestrian Safety Program				$1,200
Annual Sidewalk Program	countywide			$7,800
Greentree Road Sidewalk	Old Georgetown Road	Fernwood Road	2009	$1,788
Shady Grove Access Bike Path	Shady Grove Road	Redland Road	2008	$2,714
US 29 Sidewalks	University Boulevard	New Hampshire Avenue	2006	$3,820
Bethesda Bikeway and Pedestrian Facilities	Bethesda CBD		2008	$3,340
Virginia				
Arlington Boulevard Ped and Bike Trail	Fairfax County Line	N. Meade Street	2025	$735
Sidewalk Construction	City of Alexandria	City-wide	2007	$938
Route 50 Pedestrian Improvements	Jaguar Trail	Patrick Henry Drive	2025	$2,800
Sidewalks and Trails	Town of Hamilton			
VA 123 Bike Path	VA 120	Fairfax County Line	2015	$3,600
W&OD Trail Extension	W&OD Trail End (Purcellville)	Bluemont	2025	$1,800
Pedestrian/Bicycle Plaza & Pathways - Phase II	Town of Clifton			$158
Manassas Drive	Western City Limit	Fairway Court		
Ped and Bike Improvements	in the Town of Occoquan			

Facility	From	To	Complete In	Cost ($1,000s)
VA 237 (Washington Blvd.)	Sycamore Street	Arlington Boulevard	2015	$2,000
Pedestrian Bridge over CSX Railroad	@ Veterans Memorial Park	DOT #860626C	2003	$2,225
10th St. Pedestrian Facilities	Wilson Blvd.	Washington Blvd.	2007	$500
Duke Street Ped Bridge	Near Cameron Station		2006	$525
Bike and Ped Trails and Sidewalks	City of Alexandria			$834
Metro Station (King Street)	City of Alexandria		2007	$15,000
Trails/Sidewalks	County-wide		2006	$2,037
Purcellville Multi-Purpose Trail	Main Street	Hirst Drive	2006	$460
Sugarland Run Trail	W&OD Trail	VA 7	2025	$700
Courthouse Metro Station			2007	$2,060
Hunter Mill Road Bikeway	VA 123	VA 7	2025	$400
Ped & Bike Path Network	Town of Lovettsville			$422
Sidewalks and Trails	in the Town of Quantico			
Herndon Trail to Dulles Rail	Herndon @ Van Buren / Worldgate Intersection	Herndon - Monroe Dulles Rail Station	2010	$425
W&OD Trail Crossing Improvements	Town of Herndon	Crestview Drive, Ferndale Avenue, Grace Street, etc.	2008	$300
Town of Haymarket Streetscaping			2007	$999
Town of Herndon	Town Hall Square	Streetscaping & bike / ped improvements	2008	$774
VA 237 (Fairfax Dr.)	Courthouse Rd.	Ft. Myer Dr.	2004	$500
Lorcom Lane	@ N. Randolph St.		2003	$350
W&OD Trail Connector	W&OD Trail @ Leesburg	Whites Ferry/Potomac River	2025	$800
George Washington Parkway Crossing	Mt. Vernon Bike/Ped Trail	Potomac Yard	2008	$1,000
Accotink Gateway Connector Trail	Daniel's Run	Pickett Road		$1,093
Bike and Ped Trails and Sidewalks	Various Locations - 2 Transit Stations &	4 Regional Malls		
VA 234 Business	City of Manassas WCL (Godwin Drive)	I-66		
Route 28 Trail Extension	Fauquier Co. Line	US 29 (Centreville)	2010	$900
Sidewalks and Trails	City of Fairfax		2006	
Sidewalks, Trails, and Paths	County-wide	Prince William County		
Springfield to Tysons Corner Trail	Springfield	Tysons Corner	2025	$1,500
Alex.'s Union Station / King Street Metrorail Station			2004	$375
Rosslyn Circle Bike/Ped Grade Separation			2004	$1,250
Old Town Manassas City Square, Walkways, & Cross			2004	$313
US 50 Interstate Bicycle Route	Fauquier Co. Line	DC Line	2025	$3,200
Pedestrian, Bicycle, and Transit Improvements	Arlington County,		2004	$650
Sidewalks, Trails, and Paths	County-wide			
US 29 Trail	Fauquier Co. Line	WCL of City of Fairfax	2010	$800
26th St. N.	Vermont	Yorktown	2010	$450
Wolf Trap National Park Pedestrian Crossing	Wolf Trap National Park	VA 675 (Beulah Road)	2007	$750
Old Dominion Drive (VA 309) (Pedestrian & Bicycle Im	Fairfax County Line	US 29 (Lee Highway)	2005	$1,560
Multi-Use Trails in Arlington County	County-wide			$1,200
				$147,038

Appendix D

Bicycle and Pedestrian Projects
In the FY 2006-2011 TIP

FY2006-2011 TIP Bicycle _Pedestrian Projects

Facility	From	To	Complete In	Cost ($1,000s)
District of Columbia				
Anacostia Riverwalk Trail	Benning Rd South to Navy Yard (West side of River)	Bladensburg Trail to Naval Annex (East Side of Ri	2012	$14,400
Downtown Traffic Control Aides			2020	$8,250
Metropolitan Branch Trail			2009	$12,500
National Recreational Trails			2012	$180
Oxon Run Trail Restoration			2007	$500
Pedestrian Passageway/Tunnel	1st Street Metro Station Kiosk	1st Street, N.E. (Under H Street Overpass)	2007	$2,300
Rock Creek Park Trail			2007	$2,000
Rose Park			2007	$300
Union Station Bike Station			2006	$500
Upper Rock Creek Trail Study			2007	$1,000
Maryland				
ADA Compliance Transportation Access	Countywide			$5,992
Annual Bikeway Program	countywide			$1,537
Annual Sidewalk Program	countywide			$6,051
Bethesda Bikeway and Pedestrian Facilities	Bethesda CBD		2008	$2,592
Forest Glen Pedestrian Bridge	west side of Georgia Avenue at Locust Grove Road	west side of Georgia Avenue at Forest Glen Road	2006	$1,655
Greentree Road Sidewalk	Old Georgetown Road	Fernwood Road	2009	$1,788
Mathew Henson Trail	Alderton Lane	Rock Creek Trail	2007	$3,000
Pedestrian Safety Program	CBDs			$1,000
Silver Spring Green Trail	Silver Spring Metro Station	Sligo Creek Hiker-Biker Trail	2007	$4,435
US 29 Sidewalks	University Blvd.	New Hampshire Ave.	2006	$1,700
Virginia				
10th St. Pedestrian Facilities	Wilson Blvd.	Washington Blvd.	2007	$500
Accotink Gateway Connector Trail	King Arthur Drive	Wakefield Park	2004	$2,257
Arlington Boulevard Ped and Bike Trail	Fairfax County Line	Pershing Drive	2005	$735
Bike/Ped Trails	Various Locations - 2 Transit Stations &	4 Regional Malls	2005	$750
Columbia Pike Asphalt Multi-Use Path	Holmes Run	Powell Lane	2006	$395
Cross County Trail	Great Falls Park to Alban Road	Lake Accotink Dam to Hunter Village Drive segm	2007	$800
Duke Street Ped Bridge	Near Cameron Station		2006	$400
Eisenhower Avenue Multi-Use Trail	Trail extension		2006	$754
Four Mile Run Trail	Shirlington Road	West Glebe Road	2007	$935
Holmes Run Bike Trail	I-395	Ripley Street	2006	$250

FY2006-2011 TIP Bicycle _Pedestrian Projects

Facility	From	To	Complete In	Cost ($1,000s)
I-95 Wilson Bridge	Jones Point Park Improvements		2010	$13,404
Main Street	Town of Hamilton		2007	$48
MEADE STREET	ARLINGTON BLVD BRIDGE	PEDESTRIAN IMPROVEMENTS	2006	$125
Metrorail Station (King Street) Mezzanine	North Side of King Street	North End of Passenger Platform	2006	$5,000
On-Road Bike Trails	Fairfax County-wide		2009	$500
Pedestrian Improvements, Bus Stop Access Improvemen	Bike Projects	Fairfax County		$1,200
Pedestrian Trail	over George Washington Memorial Parkway		2006	$992
Pedestrian/Bicycle Plaza & Pathways	Town of Clifton	- Phase II	2007	$56
Purcellville Multi-Purpose Trail	Main Street	Hirst Drive	2007	$460
Rosslyn Circle Bike/Ped Grade Separation	@ Key Bridge		2006	$1,250
Route 110 Bicycle Trail	North Pentagon Parking Lot	Memorial Drive	2007	$219
Sidewalk Construction	City of Alexandria	City-wide	2007	$938
Signal View Drive Multi-Use Trail	Within Signal Hill Park	Parallel to Signal View Drive	2006	$18
Soapstone Drive Pedestrian Improvements	South Lakes Drive	Snakeden Branch	2006	$767
Sugarland Run Trail	W&OD Trail	Fairfax County's Sugarland Run Trail	2005	$898
Town of Herndon	Town Hall Square	Streetscaping & bike / ped improvements	2008	$670
US 1 - Sidewalks, Trails, and Paths	VA 619 (Old Mill Road)	VA 1332 (Huntington Ave.)	2007	$920
US 29 (Lee Highway) Fairfax Circle	@ US 50		2005	$338
US 29 Shared-Use Path	I-66	Trinity Parkway	2006	$583
US 50 (install fence)	VA 7	Patrick Henry Drive	2007	$563
US 50 Pedestrian Bridge	Vicinity of the Seven Corners Shopping Center		2007	$3,859
US 50 Pedestrian Improvements	Jaguar Trail	Patrick Henry Drive	2007	$1,509
VA 120 (N. Glebe) Pedestrian Crossings	Ballston	Near the Mall, Hecht's, and Ballston Movie Theat	2007	$1,250
VA 120 (South Glebe Road)	@ 27th Street	@ Ramp from I-395 to West Glebe Road	2006	$63
VA 120 (South Glebe Road)	@ South Walter Reed Drive		2005	$144
VA 234 (Dumfries Road) Multi-Purpose Trail	Lake Jackson Drive	VA 234 Business	2007	$649
VA 234 Business - Sidewalks & Ramps	City of Manassas WCL (Godwin Drive)	VA 621 (Balls Ford Road)	2006	$430
VA 234 Business - Signalized Crosswalks	City of Manassas WCL (Godwin Drive)	I-66	2008	$481
VA 236 Pedestrian Safety Improvements	Beauregard Street	I-395	2007	$372
VA 309 (Old Dominion Drive) (Pedestrian & Bicycle Impr	Fairfax County Line	US 29 (Lee Highway)	2007	$1,483
VA 641 (Old Bridge Road)	VA 3000 (Prince William Parkway)	Cricket Lane	2008	$406
VA 7 (Main Street)	Maple Avenue	Pickwick Drive	2009	$535
VA 9	@ VA 704	in the Town of Hillsboro	2009	$1,980

FY2006-2011 TIP Bicycle _Pedestrian Projects

Facility	From	To	Complete In	Cost ($1,000s)
W&OD Trail Crossing Improvements	Town of Herndon	Crestview Drive, Ferndale Avenue, Grace Street,	2008	$150
Wolf Trap National Park Pedestrian Crossing	Wolf Trap National Park	VA 675 (Beulah Road)	2007	$335
				$122,051

Appendix E

Completed Bicycle and Pedestrian Projects
From the Previous Bicycle Plan
For the National Capital Region

Old #	State	Project	Limits/ Description	Jurisdiction	Funding Agency	Cost (thous)	Status/ Comments
1d	VA	W&OD Trail Bypass	Construct bypass from W&OD Trail near Bluemont Park	ARL	ARL, NVRPA	125	Complete
3k	MD	Chain Bridge Trail	Widen sidewalks	ARL	ARL		Complete
3o	VA	Columbia Pike/Pentagon Area Trails	1)Construct bikeway linking Columbia Pike and southern Arlington to Mt. Vernon 2) widen sidewalk along Washington Blvd between Sycamore Street and Glebe Road	ARL	DOD, ARL	550	
5l	VA	Arlington Commercial Area Bicycle Parking	An estimated 250 racks to be installed	ARL	ARL	40	Complete
4c	VA	Alexandria/Fairfax Beltway Crossing	Bicinity of Eisenhower Avenue and Clermont Drive	ARL, FFX	ARL, FFX, VA	150	Complete
1a	DC	Mall Trail Improvements	Washington Mall	DC	DC, NPS, ARCH	500	Complete
3a	DC	Capital Crescent Trail	Georgetown to DC Line	DC	DC, NPS	11800	Complete
6i	DC/MD/VA	Metro Bike-On-Rail Improvements	System wide	DC, MD, VA	DC, WMATA		Complete
3am/ 2000	VA	Gateway-Accotink Connector	Trail from Daniel's Run in Fairfax City to Pickett Rd.in Fairfax City to Lake Accotink	FFX	FFX		Mostly Complete
3v	VA	Fairfax Parkway Bikeway	Last 6 miles of multi-use trail adjacent to Fairfax	FFX	FFX	1000	Partly Complete

6e	MD	Georgetown Branch Trail		MC	MD, MC		Complete
6m	MD	Bethesda TrolleyTrail	Construct missing portions of bicycle network to NIH and White Flint Metro Stations	MC	MC, MD, FHWA	1720	Partly Complete. Two bridges built
New 2000	MD	Gude Drive to Rock Creek Park Trail	Connect Gude Dr (part of the bicycle beltway) with the Rock Creek Trail near the former Montgomery County Landfill	MC	RVL/MNCP PC	150	
3f	VA	Sligo Creek Trail Extension	Link trail with NW Branch, Long Branch, and AnacostiaTrails	MC, PGC	MC, NPS, PGC	183	Complete
3g	VA	Northwest Branch Trail	Complete missing trail sections	PGC	NPS, PGC	200	Complete
3h	VA	Northeast Branch		PGC	PGC		Complete
6j	MD	Annapolis Rd. - Rte 450 Trail	Anne Arundel Co. Line to New Carrollton Metro Station	PGC	PGC, MD	1500	under construction
6o	MD	Cherrywood Lane Metro Extension	Construct trail to connect Cherrywood Lane to Metro	PGC	PGC, MD	1000	Complete
7h	MD	Wash. Balto. Annap	Trail on WB&A line ROW from Glenarden to Anne Arundel Co.	PGC	PGC		under construction
2p	VA	Old Bridge Corridor Enhancement Project	Paved shoulders and/or separate path along Old Bridge Rd., Davis Ford Rd. and Prince William Pkwy.	PW	PW	375	complete
7v	VA	Old Bridge Road Trail	Construct trail to connect Rte 1 to Lake Ridge, Tacketts Mill to PW Parkway	PW	PWC, VA	366	
New 2000	VA	Prince William Parkway			PWC, VA	Funded/complete since 1995	

Appendix F
Cordon Counts

Table 2-3
2002 Metro Core Cordon Count
Inbound Bicycles and Outbound Bicycles (outbound 1999 and 2002 only)
1986 - 2002
6:30 - 9:30 A.M. and 3:30 - 6:30 P.M. (P.M. 1999 and 2002 only)

Locations	1986	1987	1988	1990	1993	1996	1999		2002	
							A.M. inbound	P.M. Outbound	A.M. inbound	P.M. Outbound
D.C. (Sectors 4-9) Va. (Sectors 1-3)	474 N/C	470 N/C	568 N/C	771 N/C	799 N/C	920 N/C	1,152 409	1,025 565	1,379 645	1,113 425
Totals Crossing Cordon Line	- -	- -	- -	- -	- -	- -	1,561	1,590	2,024	1,538
14th Street Bridge	131	78	107	139	157	211	197	197	300	238
Memorial Bridge	49	124	146	219	120	232	220	104	104	143
T. Roosevelt Bridge	14	13	2	7	25	59	81	62	18	89
Key Bridge	123	92	104	106	64	86	124	93	103	92
Totals Crossing Potomac	317	307	359	471	366	588	622	456	525	562

N/C - not counted
Numbers in this table are not statistically significant when combined with other Metro Core Cordon Count data

TABLE 2-4
BICYCLE COUNT ON RADIAL TRANSPORTATION FACILITIES CROSSING THE CAPITAL BELTWAY

	Inbound Bicycle Traffic 6:30 - 9:30 A.M.		
Year	**1995**	**1998**	**2001**
Count	**220**	**263**	**214**

Appendix G

Origin Station Sorted by % Walk Mode of Access

		Table 2-5: Origin Station by Sorted by % Walk Mode of Access				
	Origin Station/Mode	Bicycle	Walk	All modes	% Bike	% Walk
1	Federal Center	4	4550	4830	0.08%	94.2%
2	Capitol South	14	6200	6609	0.21%	93.8%
3	Archives-Navy Mem	10	7310	7817	0.13%	93.5%
4	Judiciary SQ	0	9480	10201	0.00%	92.9%
5	Farragut North	44	24214	26202	0.17%	92.4%
6	McPherson SQ	18	15404	16700	0.11%	92.2%
7	Federal Triangle	0	10591	11489	0.00%	92.2%
8	Farragut West	24	22748	24714	0.10%	92.0%
9	Court House	0	6373	6954	0.00%	91.6%
10	Woodley Park Zoo	39	5555	6109	0.64%	90.9%
11	Metro Center	61	24548	27548	0.22%	89.1%
12	Smithsonian	0	11808	13409	0.00%	88.1%
13	Waterfront	5	3340	3814	0.13%	87.6%
14	Gallery Place	0	12260	14198	0.00%	86.4%
15	Van Ness	8	5617	6557	0.12%	85.7%
16	Foggy Bottom	13	18673	21857	0.06%	85.4%
17	Dupont Circle	39	20433	24040	0.16%	85.0%
18	Cleveland Park	8	4637	5474	0.15%	84.7%
19	U Street	5	3167	3744	0.13%	84.6%
20	Mt Vernon SQ	7	1658	1969	0.36%	84.2%
21	Virginia Square	31	2441	2940	1.05%	83.0%
22	Arlington Cemetery	0	1479	1797	0.00%	82.3%
23	Navy Yard	0	2602	3173	0.00%	82.0%
24	Eastern Market	46	4014	4912	0.94%	81.7%
25	Columbia Heights	56	4352	5339	1.05%	81.5%
26	Crystal City	25	10640	13168	0.19%	80.8%
27	L'Enfant Plaza	0	18021	22716	0.00%	79.3%
28	Shaw Howard U	40	2571	3326	1.20%	77.3%
29	Clarendon	29	2163	2975	0.97%	72.7%
30	Eisenhower Avenue	0	1051	1447	0.00%	72.6%
31	Bethesda	12	6880	9635	0.12%	71.4%
32	Rosslyn	13	10921	15527	0.08%	70.3%
33	Ballston	33	7670	11355	0.29%	67.5%
34	Tenley Town	111	4117	6119	1.81%	67.3%
35	Friendship HTS	36	5679	8892	0.40%	63.9%
36	Pentagon City	11	9060	14196	0.08%	63.8%

	Origin Station/Mode	Bicycle	Walk	All modes	% Bike	% Walk
37	Medical Center	88	3027	4801	1.83%	63.0%
38	King Street	33	3609	5899	0.56%	61.2%
39	Union Station	53	17924	29439	0.18%	60.9%
40	Braddock Road	48	2039	3429	1.40%	59.5%
41	Stadium Armory	5	1816	3130	0.16%	58.0%
42	Georgia Avenue	0	2156	3950	0.00%	54.6%
43	Brookland CUA	10	3565	6616	0.15%	53.9%
44	Silver Spring	101	6453	12484	0.81%	51.7%
45	Benning Road	0	1488	2952	0.00%	50.4%
46	Potomac Avenue	0	1487	3035	0.00%	49.0%
47	Deanwood	0	836	1945	0.00%	43.0%
48	National Airport	0	2525	6016	0.00%	42.0%
49	Takoma Park	41	2649	6335	0.65%	41.8%
50	West Hyattsville	28	1385	3452	0.81%	40.1%
51	Congress Heights	7	767	1951	0.36%	39.3%
52	Forest Glen	23	759	2076	1.11%	36.6%
53	White Flint	8	1559	4293	0.19%	36.3%
54	East Falls Church	113	1521	4312	2.62%	35.3%
55	Minnesota Avenue	0	1042	2977	0.00%	35.0%
56	Twinbrook	57	1540	4409	1.29%	34.9%
57	Prince George's Plaza	15	1474	4321	0.35%	34.1%
58	Pentagon	0	4447	14720	0.00%	30.2%
59	Grosvenor	80	1131	3877	2.06%	29.2%
60	College Park	100	960	3333	3.00%	28.8%
61	Wheaton	27	1119	4759	0.57%	23.5%
62	Capitol Heights	0	502	2135	0.00%	23.5%
63	Rockville	44	952	4191	1.05%	22.7%
64	Rhode Island Avenue	19	1058	5224	0.36%	20.3%
65	Fort Totten	0	1146	6023	0.00%	19.0%
66	Naylor Road	22	490	2628	0.84%	18.6%
67	Dunn Loring	63	731	4468	1.41%	16.4%
68	Suitland	0	878	5461	0.00%	16.1%
69	Van Dorn Street	9	554	3919	0.23%	14.1%
70	Huntington	19	1041	7482	0.25%	13.9%
71	Cheverly	11	205	1530	0.72%	13.4%
72	Anacostia	0	847	7228	0.00%	11.7%
73	Vienna	136	1391	12293	1.11%	11.3%
74	Glenmont	14	508	5457	0.26%	9.3%
75	Southern Avenue	0	441	4984	0.00%	8.8%
76	New Carrollton	0	727	8698	0.00%	8.4%
77	West Falls Church	9	671	8177	0.11%	8.2%
78	Landover	0	220	3195	0.00%	6.9%
79	Franconia-Springfield	17	456	8591	0.20%	5.3%
80	Addison Road	0	284	6013	0.00%	4.7%

	Origin Station/Mode	Bicycle	Walk	All modes	% Bike	% Walk
81	Greenbelt	20	270	7015	0.29%	3.8%
82	Shady Grove	19	342	11101	0.17%	3.1%
83	Branch Avenue	10	48	5355	0.19%	0.9%
	Total	1991	393267	647431		
	% of Total Ridership	0.31	60.74	100		

Appendix H

Origin Station Sorted by % Bike Mode of Access

		Table 2-11 Origin Station Sorted by % Bike Mode of Access (From 2002 WMATA Rail Passenger Survey)				
	Origin Station/Mode	Bicycle	Walk	All modes	% Bike	% Walk
1	College Park	100	960	3333	3.00%	28.8%
2	East Falls Church	113	1521	4312	2.62%	35.3%
3	Grosvenor	80	1131	3877	2.06%	29.2%
4	Medical Center	88	3027	4801	1.83%	63.0%
5	Tenley Town	111	4117	6119	1.81%	67.3%
6	Dunn Loring	63	731	4468	1.41%	16.4%
7	Braddock Road	48	2039	3429	1.40%	59.5%
8	Twinbrook	57	1540	4409	1.29%	34.9%
9	Shaw Howard U	40	2571	3326	1.20%	77.3%
10	Forest Glen	23	759	2076	1.11%	36.6%
11	Vienna	136	1391	12293	1.11%	11.3%
12	Virginia Square	31	2441	2940	1.05%	83.0%
13	Rockville	44	952	4191	1.05%	22.7%
14	Columbia Heights	56	4352	5339	1.05%	81.5%
15	Clarendon	29	2163	2975	0.97%	72.7%
16	Eastern Market	46	4014	4912	0.94%	81.7%
17	Naylor Road	22	490	2628	0.84%	18.6%
18	West Hyattsville	28	1385	3452	0.81%	40.1%
19	Silver Spring	101	6453	12484	0.81%	51.7%
20	Cheverly	11	205	1530	0.72%	13.4%
21	Takoma Park	41	2649	6335	0.65%	41.8%
22	Woodley Park Zoo	39	5555	6109	0.64%	90.9%
23	Wheaton	27	1119	4759	0.57%	23.5%
24	King Street	33	3609	5899	0.56%	61.2%
25	Friendship HTS	36	5679	8892	0.40%	63.9%
26	Rhode Island Avenue	19	1058	5224	0.36%	20.3%
27	Congress Heights	7	767	1951	0.36%	39.3%
28	Mt Vernon SQ	7	1658	1969	0.36%	84.2%
29	Prince George's Plaza	15	1474	4321	0.35%	34.1%
30	Ballston	33	7670	11355	0.29%	67.5%
31	Greenbelt	20	270	7015	0.29%	3.8%
32	Glenmont	14	508	5457	0.26%	9.3%
33	Huntington	19	1041	7482	0.25%	13.9%

	Origin Station/Mode	Bicycle	Walk	All modes	% Bike	% Walk
34	Van Dorn Street	9	554	3919	0.23%	14.1%
35	Metro Center	61	24548	27548	0.22%	89.1%
36	Capitol South	14	6200	6609	0.21%	93.8%
37	Franconia-Springfield	17	456	8591	0.20%	5.3%
38	Crystal City	25	10640	13168	0.19%	80.8%
39	Branch Avenue	10	48	5355	0.19%	0.9%
40	White Flint	8	1559	4293	0.19%	36.3%
41	Union Station	53	17924	29439	0.18%	60.9%
42	Shady Grove	19	342	11101	0.17%	3.1%
43	Farragut North	44	24214	26202	0.17%	92.4%
44	Dupont Circle	39	20433	24040	0.16%	85.0%
45	Stadium Armory	5	1816	3130	0.16%	58.0%
46	Brookland CUA	10	3565	6616	0.15%	53.9%
47	Cleveland Park	8	4637	5474	0.15%	84.7%
48	U Street	5	3167	3744	0.13%	84.6%
49	Waterfront	5	3340	3814	0.13%	87.6%
50	Archives-Navy Mem	10	7310	7817	0.13%	93.5%
51	Bethesda	12	6880	9635	0.12%	71.4%
52	Van Ness	8	5617	6557	0.12%	85.7%
53	West Falls Church	9	671	8177	0.11%	8.2%
54	McPherson SQ	18	15404	16700	0.11%	92.2%
55	Farragut West	24	22748	24714	0.10%	92.0%
56	Rosslyn	13	10921	15527	0.08%	70.3%
57	Federal Center	4	4550	4830	0.08%	94.2%
58	Pentagon City	11	9060	14196	0.08%	63.8%
59	Foggy Bottom	13	18673	21857	0.06%	85.4%
60	Judiciary SQ	0	9480	10201	0.00%	92.9%
61	Federal Triangle	0	10591	11489	0.00%	92.2%
62	Court House	0	6373	6954	0.00%	91.6%
63	Smithsonian	0	11808	13409	0.00%	88.1%
64	Gallery Place	0	12260	14198	0.00%	86.4%
65	Arlington Cemetery	0	1479	1797	0.00%	82.3%
66	Navy Yard	0	2602	3173	0.00%	82.0%
67	L'Enfant Plaza	0	18021	22716	0.00%	79.3%
68	Eisenhower Avenue	0	1051	1447	0.00%	72.6%
69	Georgia Avenue	0	2156	3950	0.00%	54.6%
70	Benning Road	0	1488	2952	0.00%	50.4%
71	Potomac Avenue	0	1487	3035	0.00%	49.0%
72	Deanwood	0	836	1945	0.00%	43.0%
73	National Airport	0	2525	6016	0.00%	42.0%
74	Minnesota Avenue	0	1042	2977	0.00%	35.0%
75	Pentagon	0	4447	14720	0.00%	30.2%
76	Capitol Heights	0	502	2135	0.00%	23.5%
77	Fort Totten	0	1146	6023	0.00%	19.0%
78	Suitland	0	878	5461	0.00%	16.1%

	Origin Station/Mode	Bicycle	Walk	All modes	% Bike	% Walk
79	Anacostia	0	847	7228	0.00%	11.7%
80	Southern Avenue	0	441	4984	0.00%	8.8%
81	New Carrollton	0	727	8698	0.00%	8.4%
82	Landover	0	220	3195	0.00%	6.9%
83	Addison Road	0	284	6013	0.00%	4.7%
	Total	1991	393267	647431		
	% of Total Ridership	0.31	60.74	100		

Appendix I

Bicycle Lockers and Racks at Metro Stations

April, 2004	Lockers	Racks
Addison Road	0	0
Anacostia	8	18
Archives-Navy Mem	0	0
Arlington Cemetery	0	
Ballston	Not Metro's	23
Benning Road	0	4
Bethesda	44	60
Braddock Road	12	42
Branch Avenue	24	10
Brookland CUA	16	4
Capitol Heights	0	0
Capitol South	0	0
Cheverly	0	34
Clarendon	6	20
Cleveland Park	12	16
College Park	20	94
Columbia Heights	12	12
Congress Heights	12	10
Court House	0	10
Crystal City	0	0
Deanwood	0	0
Dunn Loring	34	42
Dupont Circle	12	14
East Falls Church	36	136
Eastern Market	20	0
Eisenhower Avenue	6	10
Farragut North	0	0
Farragut West	0	0
Federal Center	0	0
Federal Triangle	0	0
Foggy Bottom	20	12
Forest Glen	16	42
Fort Totten	6	10
Franconia-Springfield	20	42
Friendship HTS	22	50
Gallery Place	0	0
Georgia Avenue	12	50
Glenmont	48	36

	Lockers	Racks
Greenbelt	52	82
Grosvenor	29	40
Huntington	12	42
Judiciary SQ	0	0
King Street	20	28
L'Enfant Plaza	0	0
Landover	8	28
McPherson SQ	0	0
Medical Center	38	88
Metro Center	0	0
Minnesota Avenue	4	8
Mt Vernon SQ	0	0
National Airport	0	0
Navy Yard	0	0
Naylor Road	4	10
New Carrollton	16	44
Pentagon	0	0
Pentagon City	22	4
Potomac Avenue	0	0
Prince George's Plaza	24	66
Rhode Island Avenue	0	18
Rockville	40	70
Rosslyn	0	16
Shady Grove	60	32
Shaw Howard U	0	0
Silver Spring	30	40
Smithsonian	0	0
Southern Avenue	40	20
Stadium Armory	0	0
Suitland	20	20
Takoma Park	60	44
Tenley Town	20	20
Twinbrook	26	68
U Street	0	0
Union Station	0	0
Van Dorn Street	6	20
Van Ness	8	0
Vienna	54	54
Virginia Square	32	14
Waterfront	0	0
West Falls Church	22	40
West Hyattsville	36	46
Wheaton	20	40
White Flint	20	32

Woodley Park Zoo	**0**	**8**
Total	**1141**	**1843**

Appendix J

Links and Resources

(to be added)

Appendix K
Glossary of Terms

BIKE-ON-RAIL PERMIT — Permit issued by the Washington Metropolitan Area Transit Authority permitting transportation of bicycles on Metrorail trains during night and weekend service periods. (no longer required)

BICYCLE LANE (BIKE LANE) — A portion of a roadway which has been designated by striping, signing and pavement markings for the preferential or exclusive use of bicyclists. Consists of a 4'-6' lane in each direction, with bicycle traffic moving in the same direction as motorized traffic.

BICYCLE PATH (BIKE PATH) — A bikeway physically separated from motorized vehicular traffic by an open space or barrier and either within the highway right of way or within an independent right of way.

BICYCLE PARKING — An area dedicated and designed specifically for storing and locking a bicycle. Includes bicycle racks and bicycle lockers.

BICYCLE ROUTE (BIKE ROUTE) — A segment of a system of bikeways designated by the jurisdiction with appropriate directional and informational markers, with or without specific bicycle route numbers.

BIKEWAY — Any road, path, or way which in some manner is specifically designated as being open to bicycle travel, regardless or whether such facilities are designated for the exclusive use of bicycles or are to be shared with other transportation modes.

CLASS I, II or III BIKEWAY — Terms sometimes used to describe different types of bicycle facilities. Class I is a shared-use path, Class II a bicycle lane, and Class III a shared roadway. However, Since there is some disagreement on the exact meaning of these terms, the AASHTO terms (listed above) should be used.

GREENWAY	A linear park or recreation facility of limited width, located along the length of an existing or former public utility or railroad right-of-way, or along a stream bed.
HIKER-BIKER TRAIL	A paved path designed for use by both pedestrians and bicyclists, which is completely separated from vehicular traffic.
METROPOLITAN STATISTICAL AREA	A core area containing a substantial population nucleus, together with adjacent communities having a high degree of social and economic integration with that core. Metropolitan statistical areas comprise one or more entire counties. They are used by the United States Census for the purpose of tabulating, enumerating and publishing data.
RAILS-TO-TRAILS CONSERVANCY	A national membership organization that works to facilitate the acquisition of abandoned railroad lines for use in creating bicycle and pedestrian trails and linear parks.
RAIL-TRAIL	A Shared-Use Path, either paved or unpaved, built within the right-of-way of an existing or former railroad.
REGIONAL ACTIVITY CENTER	A set of locations within the National Capital Region Transportation Planning Board planning area identified by the Council of Government's Planning Director's Technical Advisory Committee as employment centers of regional significance. Five types of Regional Activity Center have been designated, with different employment and residential density criteria for each.
REGIONAL ACTIVITY CLUSTER	An employment center adjacent to a Regional Activity Center, with a lower density than a Regional Acitivity Center
SHARED ROADWAY	A roadway which is open to both bicycle and motor vehicle travel. This may be an existing roadway, street with wide curb lanes, or road with paved shoulders.
SHARED-USE PATH	A bikeway, at least 8' in width, physically separated from motorized vehicular traffic by an open space or barrier and either within the highway right-of-way or within an independent right-of-way. Shared-Use Paths may also be used by pedestrians, skaters, wheelchair users, joggers, and other non-motorized users.

SIDE-PATH	A shared-used path built within the right-of-way of a non limited-access highway.
SIDEWALK	The portion of a street or highway right-of-way, at least 4' in width, designed for preferential or exclusive use by pedestrians.
SIGNED SHARED ROADWAY	A shared roadway that has been designated as a preferred route for bicycle use using warning, directional, and informational signage.
TRAVELED WAY	The portion of a roadway for the movement of vehicles, exclusive of shoulders.
UNIFORM VEHICLE CODE	The standards for traffic regulations recommended for adoption by state and local jurisdictions, as prepared by the National Committee on Uniform Traffic Laws and Ordinances.
WASHINGTON AREA BICYCLIST ASSOCIATION	A regional membership organization devoted to improving bicycling opportunities and promoting bicycle usage in the metropolitan Washington area.

Appendix L
Glossary of Acronyms

AASHTO	American Association of Highway Transportation Officials
ADA	Americans with Disabilities Act
AFA	Access for All Advisory Committee
CLRP	Financially Constrained Long-Range Transportation Plan
CMAQ	Congestion Mitigation and Air Quality Improvement Program
COG	Metropolitan Washington Council of Governments
DDOT	District of Columbia Department of Transportation
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
MDOT	Maryland Department of Transportation
MPO	Metropolitan Planning Organization
MSA	Metropolitan Statistical Area
MTA	Maryland Transit Administration
MUTCD	Manual on Uniform Traffic Control Devices
NCPC	National Capital Planning Commission
NVTC	Northern Virginia Transportation Commission
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: Legacy for Users
SHA	Maryland State Highway Administration
SOV	Single-Occupant Vehicle
SRTS	Safe Routes to School
TCSP	Transportation and Community and System Preservation Pilot Program
TEA-21	Transportation Equity Act for the 21st Century
TIP	Transportation Improvement Program
TPB	National Capital Region Transportation Planning Board
US DOT	U.S. Department of Transportation
VDOT	Virginia Department of Transportation
VMT	Vehicle-Miles Traveled
WABA	Washington Area Bicyclist Association
WMATA	Washington Metropolitan Area Transit Authority

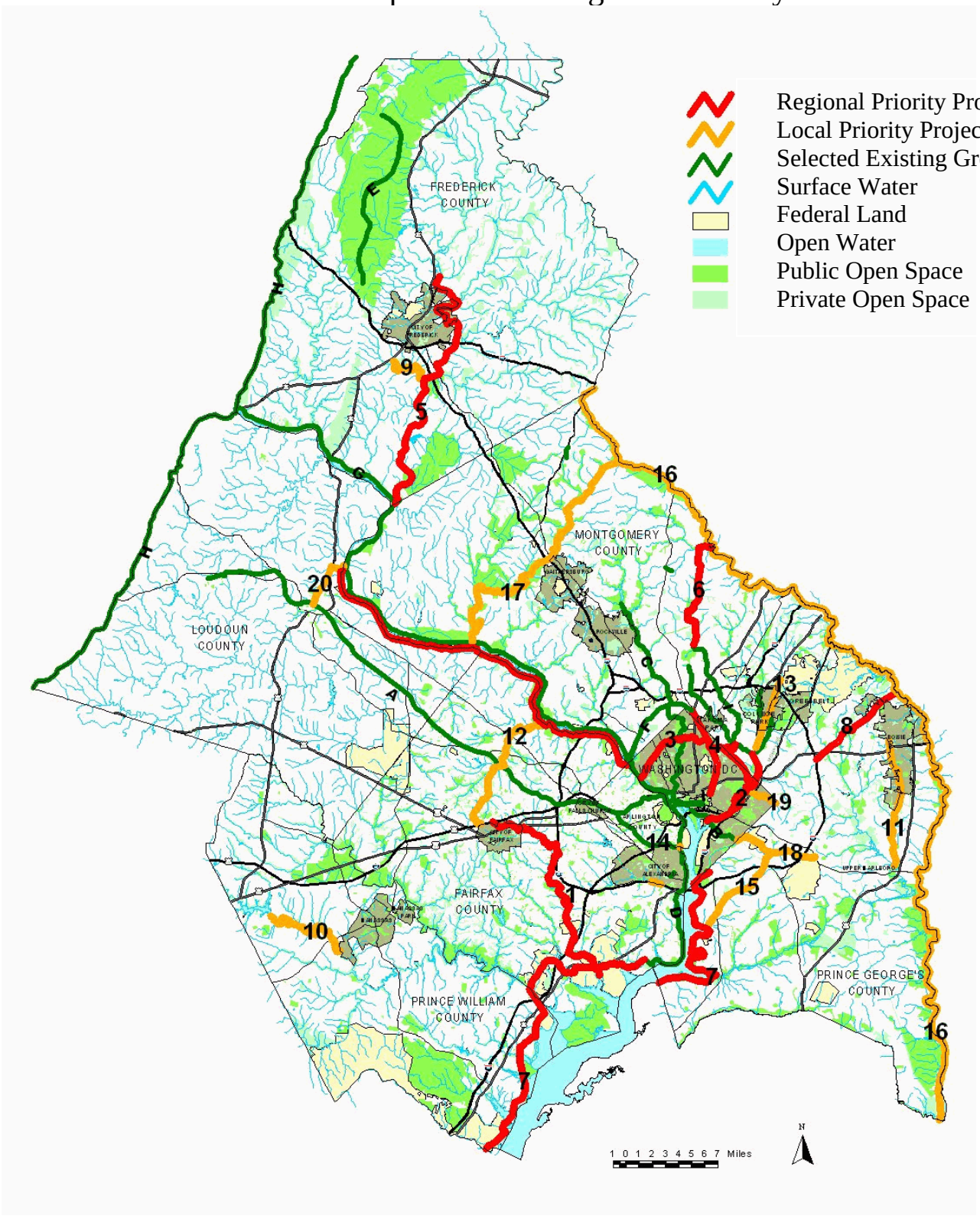
Appendix M
Priorities 2000 Greenways

Table 1-2: Map from Priorities 2000:
Metropolitan Washington Greenways Report

Regional Priority Projects	**Local Priority Projects**	**Selected Existing Greenways**
1. Accotink Greenway	9. Ballenger Creek Greenway	A. W&OD Trail
2.Anacostia Greenway	10 Broad Run/Rocky Branch Greenway	B. Suitland Parkway Trail
3.Fort Circle Greenway	11. Collington Branch Greenway	C. Rock Creek Parkway
4. Metropolitan Branch Trail	12 Cross County Trail	D. Mount Vernon Trail
5. Monocacy River Greenway	13.DC Trolley Trail/Rhode Island Avenue Trail	E. Catoctin-Gambrill Greenway
6.Northwest Branch Greenway	14.Eisenhower Avenue Greenway	F. Capital Crescent Trail
7.Potomac Heritage National Scenic Trail	15.Henson Creek Greenway	G. C&O Canal
8.Washington, Baltimore & Annapolis Trail	16.Patuxtent Regional Greenway	H. Appalachian Trail

Regional Priority Projects	**Local Priority Projects**	**Selected Existing Greenways**
	17. Seneca Greenway	I. Northwest Branch Trail
	18. Suitland Parkway Trail	
	19. Watts Branch Greenway	
	20. W&OD Connection to White's Ferry	

Table 1-1: Metropolitan Washington Greenways



Appendix N

Bibliography

(to be added later)