

APPENDIX A

Related Programs and Policies

In order to ensure that this plan can be implemented effectively and efficiently and to ensure that goals of the plan are achieved, the County should consider providing more resources for, and making some changes to, bicycle-related policies and programs. Zoning and subdivision policies, bicycle safety and education programs, and bicycle outreach and promotional efforts are all important complementary aspects of a fully integrated bicycle program in Montgomery County.

Policies

The County's zoning ordinance generally addresses bicycles and bicycle facilities well. Most zoning categories reference the need to safely accommodate bicycling and bikeways. Likewise, the County's zoning code also generally addresses bicycles and bicycle facilities. The bicycle parking zoning ordinance is confusing however and should be clarified. The current ordinance is vague and does not specify the desired type of bike rack. It also does not differentiate between bike racks and bike lockers.

Zoning and Subdivision

The Maryland-National Capital Park and Planning Commission (MNCPPC) requires all developers to submit a pedestrian impact statement as part of all subdivision and special exception applications (see Appendix E for sample pedestrian impact statement for both road projects and development applications), as of January 1, 2003. The statement should address but not be limited to the following topics related to pedestrian and bicycle safety, operations and access, as agreed upon with staff:

- Pedestrian and/or bicycle counts at intersections.
- Existing and/or proposed sidewalks and/or bikeways adjacent to the site and/or off-site of sufficient width, offset from the curb per county standards.
- Lead-in sidewalks to the site and connectivity to the local area.

- Existing and/or proposed bus stops, shelters and benches, including real time transit information.
- Pedestrian accommodations at nearby intersections, e.g. crosswalks, pedestrian signals, push buttons, median refuges, ADA-compatible ramps.
- Sufficient bicycle racks and/or lockers on-site.

Off-road bikeways (shared use paths) are provided as called for in the Master Plan, typically eight-foot wide. As for on-road bike accommodation, if the road is being newly constructed or widened, bike-accessible travel lanes, separate bike lanes or a shared use path would be provided as called for in the Master Plan. The Planning Board typically requires developers to implement bikeways as part of overall roadway improvements. Developers also pay a development impact tax, which can be used to construct or implement on-road bikeways as part of major road improvement projects initiated by the County or the State.

Sidewalks and bikeways are required to be constructed by the developer of the adjacent property along the property's frontage. The Planning Board occasionally requests and/or requires developers to extend such sidewalks or shared use paths to an intersection or other terminus off-site if it can be justified.

All M-NCPPC divisions and departments comprehensively review all development proposals and site design plans. The Commission's Development Review Committee (DRC) reviews these plans. The DRC consists of representatives from Development Review, Transportation, Community Planning, Environmental Planning, Historic Preservation and Park Planning and Resource Analysis. In addition, the DRC solicits comments from and coordinates with state and local agencies such as Permitting Services, Environmental Protection, Public Works and Transportation, as well as the Washington Suburban Sanitation Commission and others.

During DRC, each division and agency has an opportunity to provide comments on the proposal or site plan.

Any bikeways recommended by Master Plans are identified and a recommendation is made at that time as to which side of the road the bikeway should be provided.

Concepts or Programs To Consider

The County should consider creating or expanding several programs in order to improve bicycle safety and encourage more people to use a bicycle for commuting and other trip purposes.

Bicycle Safety

Expanding, enhancing and improving the County's bikeway network will likely encourage more people to ride a bicycle for a variety of trips, both for recreation and transportation. Developing and expanding the bikeway network is only the first step to creating a bicycle-friendly county. However, programs that educate bicyclists on riding in traffic and educate motorists on how to share the road with bicyclists are also needed.

Education and encouragement are important elements to increase levels of bicycling while also improving safety. Together, they can improve skills and confidence of bicyclists to ride safely in traffic, which is critical for improving overall regional mobility. Enforcement refers to the extent to which the local motor vehicle laws that protect and enhance the safety of bicyclists are enforced, particularly speeding and failing to yield right of way.

The impact of facility improvements on bicycling levels is increased when combined with education, training and promotion. According to the Federal Highway Administration, as more bicycles enter the traffic stream, the accident rate for bicyclists is reduced. Educating motorists on safely sharing the road with bicyclists is very important, but especially so in Montgomery County which is part of the nation's third most congested region and an area becoming increasingly plagued by road rage and reckless driving.

Bicycle Education Program

The County should consider investing in a bicycle education program. This program could, among other services, offer effective cycling courses for both adults and children, coordinate with Montgomery County Public Schools to incorporate bicycle safety into existing health education programs, and work with police to enforce existing traffic laws that are critical to ensuring a safe bicycling environment. This program could be combined

with the County's Pedestrian Safety Program currently housed in the County Executive's Office as part of Go Montgomery!

Any bicycle safety or bicycle education program should involve members of the Montgomery County Bicycle Action Group (MCBAG), a group of bicyclists in the County interested in recreational and on-road bicycling issues that provides advice to the DPWT on current issues, programs and projects relating to cycling in Montgomery County.

Bicycle Encouragement and Promotion

Many County residents already bicycle regularly for recreation or transportation, or both. Significant potential exists to increase the number of people who use a bicycle for transportation. So, what needs to be done to make bicycling a more attractive transportation option?

Societal attitudes toward bicycling on-road are likely the largest barrier for Montgomery County. Because the County has one of the region's best park trail networks, motorists expect bicyclists to ride along these paths and to get off the road. This plan emphasizes that bicycles are legal vehicles and that they have a right to use the road as much as motorists. Changing the perception of bicycles as only for recreation is a major barrier that can only be overcome with extensive outreach and education. "Share the Road" signs will only go so far.

Getting more people to view bicycling as a viable daily transportation mode will not be easy. Traffic congestion is undeniably getting worse in the County, yet many residents are still reluctant to find alternatives. A small percentage of total trips (work and non-work) are on the County's excellent public transportation system, yet the majority of residents are seemingly still content to sit in traffic congestion in the comfort of their single-occupant automobiles. Therefore, targeted outreach, marketing and education are essential tools for convincing people to use any alternative transportation mode. Bicycle transportation is no different.

The County's residents and workforce not only must know where bikeways are located, they need to know how to get from place to place and how to research and identify a safe and efficient route to work or other destinations. Once there, they will need to know how to properly park and secure their bicycle and determine whether their employer provides showers and lockers. In addition, poten-

tial bicycle commuters must learn safe bicycle navigation and handling techniques, proper attire and bicycle commuting equipment.

Fortunately, the County and region's government agencies and non-profit organizations already operate several programs or services that help residents and workers with these issues. This plan recommends that these programs continue to be funded and/or supported by the County.

Existing Programs To Continue

The following existing programs should continue or be expanded.

DPWT Bikeway Program

The Bikeway Program provides the linkage between Master Plan recommendations and the implementation of bicycle facilities (paths, bike lanes and shared lanes on roads). The program develops and constructs new projects. In addition, the program develops innovative bicycle-friendly features for the County including bike

racks on county buses, bike lockers/rack programs, borrow a bike programs, and alternative mode endorsement. The Bikeway Program produces and publishes an attractive 48 page booklet-style bike route map (accurate as of April 2002) that can be used by bicycle commuters to identify safe and efficient bike routes to work and other destinations. The booklet actually contains 19 large-scale maps of different areas of the County.

Better Ways to Work!

Montgomery County Commuter Services (CSS) promotes bicycling as part of its Better Ways to Work! Program. The Program:

- Encourages employers to designate a bike coordinator who markets the biking program, provide showers and lockers for employees, provide incentives to get more employees to bicycle to work (free ride home for emergencies) and inquire CSS about bike amenities that may be available to employers.
- Educates employers on safe bicycling practices (e.g., wearing a helmet)
- Promotes the Bikes On Bus Program and educates employees on other bike-transit possibilities
- Partners with MWCOG's Commuter Connections and the Washington Area Bicyclist Association to help employers with launching a bicycle commuting program and to help employees start commuting by bicycle.

Through the County's Transportation Management Districts (TMDs), Commuter Services also coordinates annual Bike To Work Day (BTWD) activities each May and manages all the BTWD pit stops in the county.

Commuter Connections

Commuter Connections is a regional network of transportation organizations coordinated by the Metropolitan Washington Council of Governments. The program provides residents of the region with information on all the various commuting options so they can make a smart choice about to travel to work. Commuter Connections also helps employers establish commuting benefits and assistance programs

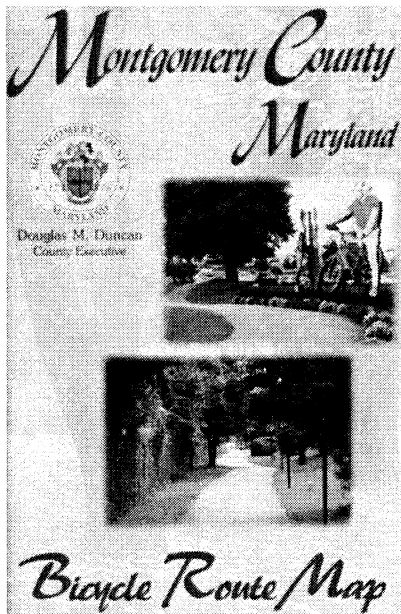


Figure A-1. Cover for Montgomery County Bicycle Route Map booklet

Commuter Connections publishes and distributes a booklet titled “Biking to Work in the Washington Area: A Guide for Employees (flipside of booklet reads “A Guide for Employers”). This attractive booklet provides all the information an employer or resident would need to start commuting to work by bicycle.

For employers, it highlights the benefits of having employees who bike to work (e.g., increased productivity, reduced parking costs), how to support a bike-to-work program in the workplace, provides guidance on selecting and installing bicycle parking facilities, and offering incentives to employees to bike to work more often (e.g., offering flex schedules).

For employees, the booklet highlights reasons to bike to work, provides advice on how to ride in traffic, how to select a safe bicycle route to work, and how to combine bicycle commuting with using transit. The booklet also educates readers on basic bicycling accessories and attire and highlights the various resources in the region available to bicycle commuters.

WABA’s Bicycle Commuter Assistance Program

The Bicycle Commuter Assistance Program, developed and managed by the Washington Area Bicyclist Association, is an interactive bicycle commuter guide that provides detailed commuter information and maps online (www.waba.org). Bicyclists can use it to find the most convenient routes to various destinations in the Washington area. The maps show all the area bike trails and bike shops, and will eventually show the best commuter routes.

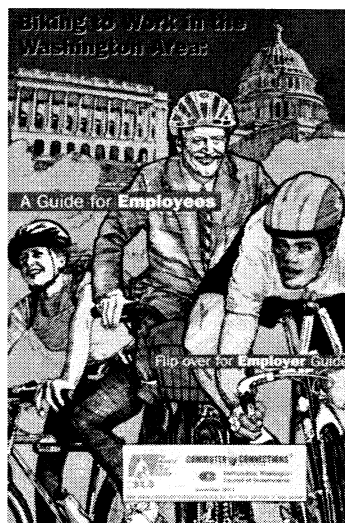


Figure A-2. Cover for “Biking to Work in the Washington Area” published by MWCOC Commuter Connections.

Appendix B

Bikeway Related Recommendations from 1998 Countywide Parks Trails Plan

1998 Countywide Park Trails Plan Bikeway-related recommendations and CBFMP responses	
Recommendation	Response
<p>Amend the 1978 Master Plan of Bikeways. The update should include:</p> <ul style="list-style-type: none"> ▪ A countywide map of bikeways that reflects approved and adopted community master plans <ul style="list-style-type: none"> ▪ Strategies to close gaps in bikeways that become evident during countywide bikeway mapping exercise ▪ Identification of problem areas where the Montgomery County bikeway design standards or the recommended design standard are not possible ▪ Integration of bikeway plans with other transportation facilities and recommendations for design features that enhance community character ▪ Where possible, incorporation of results from study conducted by Washington Area Bicyclists Association that identified imperfections in the current bikeway system. 	<ul style="list-style-type: none"> ▪ This plan includes both a map of Countywide bikeways as well as the overall bikeway network that includes local/neighborhood bikeways ▪ This plan ensures that all Countywide bikeways connect and form part of a network. There are no major gaps. ▪ Bikeway design is studied and evaluated during facility planning. This plan does not identify particularly problem areas, although difficult issues are discussed in the Countywide Bikeway Network table. ▪ This plan integrates bikeway recommendations as part of other transportation facilities including the Corridor Cities Transitway, the Georgia Avenue Busway and the Intercounty Connector. Bikeway designs are covered in chapter 3. These recommendations are intended to enhance roadway safety as well as community character. ▪ The WABA study, "Islands and Bridges: A New Approach to Suburban Bicycle Planning" attempted to identify bicycle safe neighborhoods or areas and the barriers that prevent cyclists from traveling from one to another. It focused only on a small area in north Bethesda, but was intended to apply elsewhere. Results from this study are not included in this plan because this plan focuses on bikeways of countywide significance and does not address local bikeways unless they make important connections to transit stations, CBDs, employment centers or municipalities. Therefore, most of the recommendations from that study are not relevant to this plan, however, many recommendations could be applicable to future local/neighborhood level bikeway planning efforts as part of community/sector plan updates. The study confesses that the approach needs further development before it can be applied countywide. It is unclear whether the planning approach recommended in this study has been refined.
<p>Codify the Montgomery County bikeway design policies and signing standards into one document.</p>	<ul style="list-style-type: none"> ▪ The County Executive and County Council will likely update the Montgomery County Road Code in late 2003. MNCPPC transportation staff will be involved to ensure that AASHTO and MUTCD design standards for shared use paths (side paths), bike lanes, and signed shared

<p>Codify the Montgomery County bikeway design policies and signing standards into one document.</p>	<ul style="list-style-type: none"> ▪ The County Executive and County Council will likely update the Montgomery County Road Code in late 2003. MNCPPC transportation staff will be involved to ensure that AASHTO and MUTCD design standards for shared use paths (side paths), bike lanes, and signed shared roadways (both are incorporated into one document
<p>Establish policies for planning and implementing on-road bikeways. Establish a working group of representatives from State Highway Administration, Department of Public Works and Transportation and M-NCPPC .</p>	<ul style="list-style-type: none"> ▪ An informal technical advisory committee was developed as part of the plan update; the group included representatives from DPWT, DDOT, the cities of Rockville and Gaithersburg, local bicycle advocacy organizations and a representative from a nationally leading bike/pedestrian consulting firm. SHA has been kept apprised of the plan's progress and has been provided numerous opportunities to comment on sections of the plan.
<p>Amend the submittal requirements for subdivision review to require bikeways be shown and included for mapping purposes (and develop a system for keeping track of dedicated bikeway facilities)</p>	<ul style="list-style-type: none"> ▪ As of January 1, 2003, all developers are required to submit a pedestrian impact statement as part of all subdivisions, special exceptions, zoning, and mandatory referral applications. Statements should address pedestrian and bicycle counts at intersections and identify any existing or proposed sidewalks or bikeways adjacent to the site. The Department has not yet developed a system to track dedicated bikeway facilities, but will do so by the end of 2003.

APPENDIX C

Innovative Bikeway Designs

The concepts in this appendix are implemented in other areas of the U.S. but are not yet employed in Montgomery County. They are presented for information purposes only, to help the County and State come up with new solutions to common problems. While DPWT does not yet support these concepts, it recognizes their potential application in the future.

Bicycle Boulevards

The bicycle boulevard is a refinement of the shared roadway concept: the operation of a local street is modified to function as a through-street for bicycles while maintaining local access for automobiles. Traffic calming devices reduce traffic speeds and through trips. Traffic controls limit conflicts between motorists and bicyclists and give priority to through bicycle movement. Bicycle boulevards have numerous advantages and benefits:

- Opportunity - traditional street grids offer many miles of local streets that can be converted to bicycle boulevards
- Low cost - major costs are for traffic control and traffic calming devices
- Traffic calming techniques are increasingly favored by residents who want slower traffic on neighborhood streets
- Bicycle travel on local streets is usually compatible with local land uses
- Bicycle boulevards may attract new or inexperienced cyclists who do not feel comfortable on arterials and prefer to ride on lower traffic streets
- Bicycle boulevards can improve conditions for pedestrians, with reduced traffic and improved crossings.

They also have a few disadvantages:

- They are often located on streets that do not provide direct access to commercial land uses and other destinations; some cyclists may have to negotiate a hostile street environment to complete a portion of their trip
- If improperly implemented, they can cause traffic diversion onto other streets
- Failure to provide arterial crossings can result in unsafe conditions for bicyclists
- Traffic signals may be expensive or unacceptable for the traffic condition
- Successful bicycle boulevard implementation requires careful planning with residents and businesses to avoid unacceptable impacts.

Elements of a Bicycle Boulevard include:

- Selecting a direct and continuous street, rather than a circuitous route that winds through neighborhoods. Bike boulevards work best on a street grid system
- Turning stop signs towards intersecting streets, so bicyclists can ride with few interruptions
- Placing motor vehicle traffic diverters at key intersections to reduce traffic volumes (the diverters should be designed to allow through bicycle movement)
- Placing traffic-calming devices on streets to lower traffic speeds
- Placing directional signs to route cyclists to key destinations, to guide cyclists through difficult

situations, and to alert motorists of the presence of bicyclists

- Providing protection where the boulevard crosses high-volume arterials with:
- Signals, where a traffic study has shown that a signal will be safe and effective; to ensure that bicyclists can activate the signal, signal loops should be installed where bicyclists ride, supplemented with a push button that won't require dismounting; or
- Median refuges, with gaps wide enough to allow bicyclists to pass through (min. 2.4 m [8 ft]); the median should be wide enough to provide a refuge (min. 3 m [10 ft]). The design should allow bicyclists to see the travel lanes they should cross.

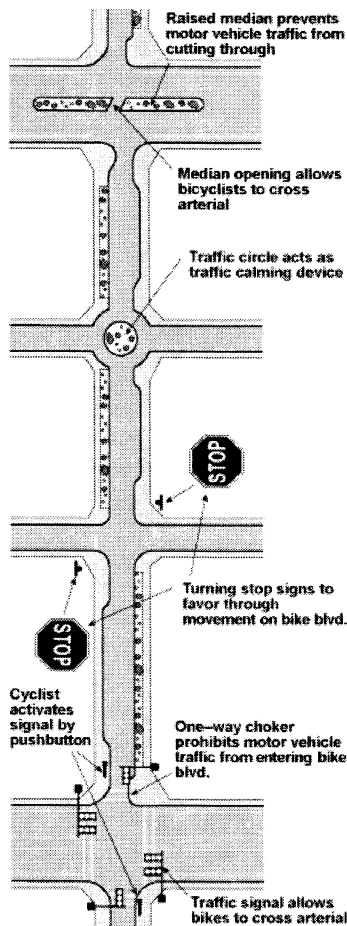


Figure C-1 Aerial view of a bicycle boulevard
(Source: Oregon Department of Transportation)

Raised Bike Lanes

Normally, bike lanes are an integral portion of the roadway surface and are delineated from motor vehicle lanes with painted stripes. Though most bicyclists ride on these facilities with comfort, others prefer more positive separation, but separated paths are not practical in most urban settings. Raised bike lanes incorporate the convenience of riding on the street with the psychological separation of a barrier, with these advantages:

- A mountable curb allows cyclists to enter or leave the lane as needed for turning or overtaking;
- Motorists know they are straying from the travel lanes when they feel the slight bump created by the mountable curb; and
- Novice bicyclists are more likely to ride in the bike lane, leaving the sidewalk for pedestrians.

An effective design provides a gentle slope, with no lip, so a bicycle tire is not caught during crossing maneuvers. Using concrete curbs in an asphalt roadway increases the visibility of the bike lane stripe. The raised bike lane is dropped prior to intersections, where the roadway surfacing is uniform.

The disadvantage of raised bike lanes is the greater costs of construction: the travel lanes and bike lanes should be paved separately and a narrow paving machine is required for paving the bike lane.

The additional costs are mitigated by reduced long-term maintenance costs:

- The bike lane portion receives less wear and tear than the travel lanes;
- The bike lane accumulates less debris, requiring less frequent sweeping; and
- The bike lane stripe doesn't need frequent repainting.
- Note: on roads with parking, the bike lane should be placed between the travel lanes and parked cars, elevating the parking lane.

Contra-Flow Bike Lanes

Contra-flow bike lanes on a one-way street are not usually recommended. They may encourage cyclists to ride against traffic, which is contrary to the rules of the road and a leading cause of bicycle/motor vehicle crashes. There are, however, special circumstances when this design may be advantageous:

- A contra-flow bike lane provides a substantial savings in out-of-direction travel;
- The contra-flow bike lane provides direct access to high-use destinations;
- Improved safety because of reduced conflicts on the longer route;
- There are few intersecting driveways, alleys or streets on the side of the contra-flow lane;
- Bicyclists can safely and conveniently reenter the traffic stream at either end of the section;
- A substantial number of cyclists are already using the street; and
- There is sufficient street width to accommodate a bike lane.

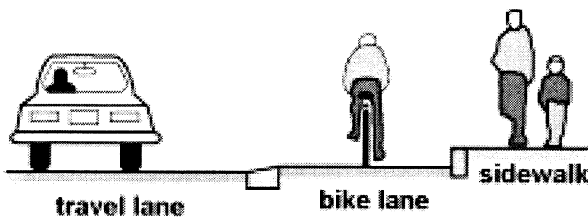


Figure C-2. Cross-section of a raised bike lane
(Source: Oregon Department of Transportation)

A contra-flow bike lane may also be appropriate on low volume, low speed, one-way residential streets recently converted from two-way (especially where this change was made to calm traffic). For a contra-flow bike lane to function well, these special features should be incorporated into the design:

- The contra-flow bike lane should be placed on the right side of the street (to motorists' left) and should be separated from on-coming traffic by a double yellow line. This indicates that the bicyclists are riding on the street legally, in a dedicated travel lane.
- Any intersecting alleys, major driveways and streets should have signs indicating to motorists that they should expect two-way bicycle traffic.
- Existing traffic signals should be fitted with special signals for bicyclists; this can be achieved with either loop detectors or push-buttons (these should be easily reached by bicyclists without having to dismount).

NOTE: Under no circumstances should a contra-flow bike lane be installed on a two-way street, even where the travel lanes are separated with a raised median.



Figure C-3. Contra-flow bike lane
(Source: www.pedbikeimages.org/Dan Burden)

Bike Lanes & Bus Lanes

In most instances, bicycles and buses can share the available road space. On routes heavily traveled by both bicyclists and buses, separation can reduce conflicts (stopped buses hinder bicycle movement and slower moving bicycles hinder moving buses).

Separate bus lanes and bike lanes should be considered, with the bus lane at the curb side, to reduce conflicts between passengers and bicyclists. Buses will be passing bicyclists on the right, but the fewer merging and turning movements reduce overall conflicts.

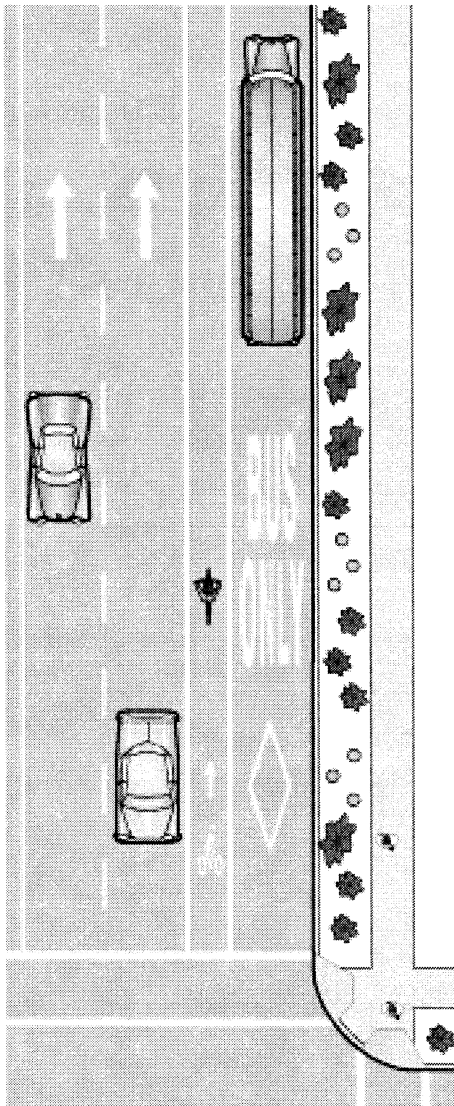


Figure C-4. Aerial view of a bike lane and bus lane
(Source: Oregon Department of Transportation)

APPENDIX D

Bicycle Parking at Metrorail and MARC Stations

(as of June 2003)

<i>Bicycle Parking Facilities at Metrorail Stations</i>				
Station	Lockers	Racks <small>1, 2</small>	Bicycle Access Conditions/Usage ³	Remarks
Bethesda	44	60	Excellent access via Capital Crescent Trail; bicycle parking facility usage near capacity	Demand expected to increase with completion of Georgetown Branch Trail; no additional space available on WMATA property for more bicycle facilities; additional bike parking could be added to County garage # X
Forest Glen	16	42	Fairly good access; Sligo Creek Trail nearby; very well-used bike parking facilities	Demand expected to increase when Forest Glen Pedestrian Bridge is completed and shared use path is added to Forest Glen Road.
Friendship Heights	22	32	Good access via wide sidewalks; bike parking facility usage near capacity	Demand expected to remain steady, but not increase dramatically
Glenmont	48	36	Good access via Layhill Road bike lanes; current usage fair	Demand expected to increase as development plan for station area is implemented and shared use path is added to Georgia Avenue extending north to Aspen Hill, Leisure World and Olney.
Grosvenor	30	40	Both racks and lockers used moderately.	Usage expected to remain fairly steady; current facilities should meet future demand.
Medical Center	38	88	Perhaps one of the most heavily used stations. Good access via Rock Creek Trail/Cedar Lane and other bike routes; bike parking facilities very well used.	Demand expected to remain steady. Access to station being reduced due to new NIH perimeter security fence and loss of through-campus access. Access will be improved with completion of North Bethesda Trail. No space available for additional

Rockville	40	70	Bike racks heavily used, lockers at less than 50% capacity	Demand expected to increase as Town Center is redeveloped, access to station improved
Shady Grove	60	32	Only moderately used, about 1/3 capacity for both lockers and racks	Demand expected to increase with redevelopment of Shady Grove station area, and access to station is improved via bike lanes on Shady Grove Road and Redland Road as well as shared use path along Corridor Cities Transitway and Crabbs Branch Way.
Silver Spring	30	40	Racks are moderately used, lockers only 50% capacity	Demand expected to increase dramatically with completion of Silver Spring Transit Center (which may include a bike station), Georgetown Branch Trail, Metropolitan Branch Trail, and Wayne Avenue Green Trail.
Takoma Park	60	44	Moderately used	Demand expected to increase with completion of Metropolitan Branch Trail, and on-road access to station is improved
Twinbrook	26	68	Fair access; racks are moderately used, lockers only 20% capacity	Demand expected to increase as area around station is redeveloped, access to station improved
Wheaton	20	40	Fair access; racks are lightly used, lockers are 50% capacity	Demand expected to increase as area around station is redeveloped, access to station improved
White Flint	20	32	Good access. Wide sidewalks in vicinity; not well used. 50% capacity or less for both lockers and racks.	Demand expected to increase as area around station is redeveloped, access to station improved

1. Refers to maximum number of available bike parking spaces.
2. Bike racks installed by WMATA are usually locking-arm type (class II)
3. Based on comments from WMATA officials and random site visits

Bicycle Parking Facilities at MARC Stations			
Station	Racks	Bicycle Access Conditions/Usage	Remarks
Silver Spring	40*	Fair access, heavy usage of facilities on WMATA property	Land owned and operated by WMATA
Garrett Park	2	Good access from Rock Creek Trail/Beach Drive (via Garrett Park Road) and from surrounding neighborhoods via local streets.	Land around station owned by CSX
Kensington	2	Fair access from Beach Drive/Rock Creek Trail via Kensington Parkway.	Land around station owned by CSX. Access will be enhanced by proposed bike lanes along Kensington Parkway
Rockville	70*	Good access, moderate usage of facilities on WMATA property	Land around station owned and operated by WMATA
Washington Grove	2	Fair access along mostly residential roads	Land around station owned by CSX
Gaithersburg	yes	Excellent access. Located in downtown Gaithersburg; usage unknown	Land around station owned by City of Gaithersburg
Metropolitan Grove	yes	Good access via Clopper Road and Long Draft Road bike paths; usage unknown	Land around stations owned by MTA.
Germantown	1	Fair access; usage unknown. Access will be improved with proposed shared use path along MD118.	Located on land owned by County on top of hill near motor vehicle parking
Boys	0	Fair access; usage unknown	Land around station owned by CSX
Barnesville	2	Fair access along Beallsville Road; usage unknown	Land around station owned by CSX
Dickerson	2	Fair access along MD28 and Mount Ephraim Road; usage unknown	Station and land owned by CSX

* Bike racks are provided by WMATA

APPENDIX E

SHA Guidelines for Accommodating Bicycles and Pedestrians on State Highways

POLICY

The State Highway Administration (SHA) shall make accommodations for bicycling and walking a routine and integral element of planning, design, construction, operations and maintenance activities as appropriate. These guidelines are current as of September 2003 and are subject to change over time. They are included in this plan for context.

DESIGN GUIDELINES

The SHA has developed design guidelines for the preferred accommodations to benefit bicycling and walking. It is SHA's goal to provide the preferred accommodations as part of all roadway projects where reasonable and feasible. Providing bicycle and pedestrian accommodations is especially important where the existing or proposed land use supports cycling and walking. This includes trip generators and destinations such as employment, education, residential, commercial, recreation and transit centers.

DESIGN WAIVERS

While it is SHA's intent to provide the preferred accommodations on all projects, it is understood that projects will be reviewed on a case-by-case basis. If it is determined that the preferred bicycle and pedestrian accommodations as described in this document cannot be provided, a design waiver must be requested and approved. A project can only proceed to advertisement and/or construction if the project provides SHA's preferred accommodations or has been granted a design waiver.

A design waiver may be considered for such things as impacts to right of way, utilities, structures (such as bridges and drainage structures), cost and environmentally or historically sensitive areas. The need to provide safety or capacity improvements to the roadway may also be considered. A waiver should not be requested until all reasonable alternatives to provide SHA's preferred bicycle

and pedestrian accommodations have been exhausted. The documentation of these alternatives will be required to support the design waiver request.

Design waivers are not intended to exclude the implementation of bicycle and pedestrian facilities as part of a project. Even with a design waiver, a project should be designed as close as practical to the preferred design accommodations.

Design waivers are not intended to waive the requirements for American Disabilities Act (ADA) facilities as described in the latest SHA and/or ADA guidelines.

DEFINITIONS

Shared-Use Lane: A travel lane where motor vehicles and bicycles must compete for the same space.

Wide Curb Lane: Any lane greater than 12 feet in width benefits bicycle access by reducing the conflict between motorists and cyclists. A curb lane that is 14 feet or greater (measured to the face of the curb) is typically striped as an 11 foot wide travel lane for motor vehicles and the remaining space as a shoulder available to cyclists. While a striped or not striped wide curb lane may be the same width, providing the stripe helps to keep both motorists and cyclists in their space and thereby reducing conflicts between the two users. Unless it is designated as a bicycle lane, the space to the right of the travel lane edge stripe will simply be referred to as a shoulder and provide the same benefits such as accommodating stopped vehicles, emergency use and pedestrians.

Bicycle Lane: A bicycle lane is any portion of the roadway or shoulder that has been designated by striping, signing and pavement markings for the preferential or exclusive use of bicycles. See MUTCD 2000, Part 9.

Bikeway: A generic term for any road, street, shoulder, path or way where bicycles are permitted to operate.

Bicycle Route: A bikeway or system of bikeways that have been designated with directional and informational route markers to provide guidance, connectivity and continuity.

Bike Path or Shared Use Path: A bikeway physically separated from motorized 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 might also be used by pedestrians, skaters, joggers, wheel chair users and other non-motorized users.

Pocket Lane: A portion of the roadway intended for the exclusive use by bicyclists located on the approach leg of an intersection immediately between the mandatory right turn lane and the adjacent through travel lane. Pocket lanes are intended to reduce the conflicts between bicyclists who wish to proceed through the intersection and right turning motor vehicles. Pocket lanes 4 feet wide or wider should be designated with a bicycle marking to reduce any confusion by motorized vehicle drivers that the space might be a narrow travel lane. Pocket lanes less than 4 feet wide will not be designated.

Shoulder: The portion of the roadway contiguous with the travel way for accommodating stopped vehicles, emergency use, bicycles and pedestrians.

Sidewalk: The portion of a street or highway right of way designed for preferential or exclusive use by pedestrians.

sections when the existing or proposed posted speed limit exceeds 40 mph or the existing or proposed land use will support bicycling. The 16 foot wide outside lane should be striped as an 11 foot travel lane and a 5 foot shoulder available to bicycles.

Open Sections

A minimum 4 foot wide outside shoulder is preferred on all roadways with open sections.

Bicycle Lanes

Designated bicycle lanes should be considered if the existing or proposed land use will support bicycling, bicycle lanes are included in the local Master Plan, or a bicycle lane would serve to connect other bicycle facilities.

The preferred width of a bicycle lane in a closed section is 5 feet (measured to the face of the curb.) Designating a 4 foot wide shoulder in a closed section as a bicycle lane may be considered where the posted speed limit is 40 mph or less. Typically a bicycle lane should be a minimum length of 1 mile unless it serves as a connection to other bicycle facilities or serves as a connection to destinations or generators such as transit, employment, commercial, recreational or residential centers.

Pavement marking symbols and/or word messages should be used to designate a bicycle lane. Bicycle lane signs shall be used to supplement the markings (see MUTCD 2000, Part 9).

Designating a bicycle lane should only be implemented after consultation and approval by SHA's Bicycle and Pedestrian Coordinator and the Assistant District Engineer - Traffic.

Bicycle Routes

A bicycle route is a bikeway or system of bikeways that is designated with appropriate directional and informational route markers. Bicycle routes can serve recreational, commuting and neighborhood trips. The reason for designating a bicycle route is to provide guidance, connectivity and continuity.

Typically a bicycle route should be a minimum of 1 mile unless it serves as a connection to other bicycle facilities or serves as a connection to trip generators or destinations such as transit, employment, commercial, recreational or residential centers.

PREFERRED BICYCLE AND PEDESTRIAN ACCOMMODATIONS

BICYCLES

Closed Sections

A minimum 15 foot wide outside lane (measured to the face of the curb) is preferred on all roadways with outside closed sections. The roadway should be striped as an 11 foot travel lane and a 4 foot shoulder available to bicycles.

A 16 foot wide outside lane (measured to the face of the curb) is preferred on all roadways with outside closed

Designating a bicycle route should only be implemented after consultation and approval by SHA's Bicycle and Pedestrian Coordinator and the Assistant District Engineer – Traffic.

Bike Path or Shared-Use Pathway

Shared-use pathways that parallel the roadway shall be considered part of a roadway project if they are included in the local Master Plan, requested by the local jurisdiction or supported by the local community. Shared-use pathways can provide alternate access for some bicyclists but should not ordinarily be considered in lieu of on-road improvements to benefit bicycle use. On road bicycle facilities are typically preferred. The preferred width of a shared-use pathway is 10 feet, 8 feet minimum.

Fund 76 and Fund 77 Projects

All roadway projects should provide for bicycle accommodations, i.e. 15-16 foot wide outside lanes on closed sections and minimum 4 foot wide shoulders on all open sections. For existing roadways where these widths do not exist, the typical sections shall be reviewed during SHA's regularly scheduled resurfacing program selection process to determine if the existing travel and turning lanes widths can be reduced to provide SHA's preferred widths for wide curb lanes and/or shoulders. Existing lane widths shall only be reduced with the approval of the Assistant District Engineer – Traffic and typically not below 10 feet for turning lanes and 11 feet for travel lanes.

Fund 76 and 77 projects will not be required to follow the waiver process if the preferred bicycle accommodations can not be provided. It is understood that the scope of these projects typically does not include roadway improvements or reconstruction that would result in adding or improving bicycle accommodations if none exist. However it is imperative that the Assistant District Engineer –Traffic takes responsibility to make sure that any change to the existing striping does not result in a negative impact on existing bicycle access. Any changes to the existing striping that would result in a negative im-

pact to bicycle access should be discussed with SHA's Bicycle and Pedestrian Coordinator.

Negative Impact

Negative impact to bicycling is described as the permanent reduction, elimination or severing of existing bicycle accommodations.

- Existing roadway conditions that exceed SHA's preferred widths should not be reduced to widths below the preferred widths. (Ex. An existing 10 foot wide shoulder may be reduced but not below the preferred 4 foot width.)
- Existing roadway conditions that are less than SHA's preferred widths should not be reduced. (Ex. A 3 foot wide shoulder is below the preferred 4 foot width and therefore should not be reduced.)
- No project shall eliminate a shoulder on any roadway where bicycles are permitted to operate and where the maximum posted speed limit is more than 50 miles per hour. By Maryland state law bicyclists are prohibited from operating on any roadway (travel lane) where the posted maximum speed limit is over 50 mph. Cycling is permitted however on shoulders. Eliminating the shoulder would technically sever bicycle access.
- No project shall permanently sever existing bicycle access unless a reasonable alternate route exists or reasonable alternate access will be included in the proposed project. Reasonable alternate routes will be determined by the Bicycle and Pedestrian Coordinator.

PEDESTRIANS

Continuous 5 foot wide sidewalk, free of obstructions, is preferred on both sides of all closed section roadways as part of new construction or reconstruction when the existing or proposed land use will support walking, sidewalks are included in the local Master Plan, sidewalks are requested by the local jurisdiction, or sidewalks would serve to connect other facilities. Minimum 4 foot wide shoulders are preferred on all rural roadways or open section roadways to support walking.

The inclusion of sidewalk or existence of sidewalk in new construction or reconstruction should prompt the inclusion of other pedestrian amenities and benefits to promote walking as appropriate. Pedestrian benefits and amenities can include such items as wheelchair ramps, pedestrian crosswalks, pedestrian signals and pedestrian lighting.

Sidewalk and sidewalk amenities typically would not be included in resurfacing projects but should be considered on a case by case basis.

American Disabilities Act (ADA)

All roadway projects shall meet the minimum guidelines as directed by the latest SHA and/or American Disabilities Act (ADA) guidelines.

Negative Impact

Negative impact to walking is described as the permanent reduction, elimination or severing of existing pedestrian accommodations.

- Existing sidewalk that exceeds SHA's preferred widths should not be reduced to widths below the preferred widths. (Ex. An existing 10 foot wide sidewalk should not be reduced below the preferred 5 foot width.)
- Existing sidewalk that is less than SHA's preferred widths should not be reduced. (Ex. A 4 foot wide sidewalk is below the preferred 5 foot width and should not be reduced.)
- No sidewalk should be removed and thereby eliminate pedestrian access.
- No shoulder in an open section roadway (where sidewalk does not exist) should be removed or reduced below 4 foot in width and thereby eliminate pedestrian access.
- No project shall permanently sever existing pedestrian access unless a reasonable alternate route exists or a reasonable alternate route will be included in the proposed project. Reasonable alternate route will be determined by the Bicycle and Pedestrian Coordinator.

DESIGN WAIVERS FOR BICYCLE AND PEDESTRIAN ACCOMMODATIONS

While it is SHA's intent to provide the preferred bicycle and pedestrian accommodations on all roadway projects, it is understood that projects will be reviewed on a case by case basis. If it is determined that the preferred bicycle and pedestrian accommodations cannot be provided, a design waiver must be requested and approved. A project can only proceed to advertisement or construction if the project provides SHA's preferred accommodations or has been granted a design waiver.

A design waiver will be considered for such things as impacts to right of way, utilities, structures (such as bridges and drainage structures), cost and environmentally or historically sensitive areas. The need to provide safety or capacity improvements to the roadway may also be considered. A waiver should not be requested until all reasonable alternatives to provide SHA's preferred bicycle and pedestrian accommodations have been exhausted. The documentation of these alternatives will be required to support the design waiver request.

Design waivers are not intended to exclude the implementation of bicycle and pedestrian facilities as part of a project. Even with the design waiver, a project should still be designed as close as practical to the preferred design accommodations.

Design waivers are not intended to waive the requirements for ADA facilities as described in the latest SHA and/or ADA guidelines.

Fund 76 and Fund 77 Projects

Fund 76 and 77 Projects will not be required to follow the waiver process.

PROCESS FOR REQUESTING A WAIVER

1. The Project Manager determines that SHA's preferred bicycle and pedestrian accommodations cannot be provided within the scope of the project.

2. The Project Manager reviews the project with SHA's Bicycle and Pedestrian Coordinator.

3. If SHA's Bicycle and Pedestrian Coordinator agrees the preferred accommodations can not be provided, the Project Manager will then make a formal request in writing to the Director of the Office of Highway Development for consideration and approval. The formal waiver request should include at minimum the following information:

- Project description;
- Length/Scope of the project;
- Preferred typical section to accommodate bicycles and pedestrians;
- Requested waiver typical section;
- Reason(s) for the reduction in typical section and waiver request:
 - ex. lack of right of way;
 - ex. delay to project schedule due to right of way negotiations;
 - ex. additional utility relocations;
 - ex. impacts to existing structures;
 - ex. impacts to environmental or historical sensitive areas;
 - ex. additional cost;
 - ex. community opposition.
- Accident data for the project area including accident data involving bicyclists and walkers;
- Existing and proposed posted speed limit;
- Percentage of truck traffic;
- Does lighting exist or will it be included in the project;
- Are there existing or proposed major destinations or generators;
- Is there evidence of existing bicycle or pedestrian traffic in the general area;
- Describe how the proposed waiver typical section will accommodate bicyclists and pedestrians.

- The existing land use supports bicycle lanes but the existing width of the roadway in downtown Westminster will only permit two 12-foot lanes. Widening the existing roadway to accommodate wide curb lanes or bicycle lanes will result in serious impacts to sidewalk, trees and right of way. Therefore bicycles will be accommodated with shared-use lanes throughout the length of the project.

4. If the Director agrees that the preferred bicycle and/or pedestrian accommodations can not be included in the project, a waiver will be granted. If the Director does not agree, the Project Manager will modify the project to include the accommodations or the Director may recommend a presentation to FRAT.

5. Upon the recommendation of the Director of Highway Development, a presentation will be made to FRAT. The decision by FRAT will be final.

APPENDIX F

M-NCPPC Pedestrian Impact Statement for Land Development Projects

As authorized under Article 28, Section 7-116(a) of the Annotated Code of Maryland, to provide adequate transportation and for the health, comfort and safety of our present and future population, the Montgomery County Planning Board of the Maryland-National Capital Park and Planning Commission requires that a Pedestrian Impact Statement be a part of every subdivision, special exception, zoning and mandatory referral application. The statement should address but not be limited to the following topics related to pedestrian safety, operations and access, as agreed upon with staff:

1. Pedestrian and/or bicycle counts at intersections.
2. Existing and/or proposed sidewalks and/or bikeways adjacent to the site and/or off-site of sufficient width, offset from the curb per county standards.
3. Lead-in sidewalks to the site and connectivity to the local area.
4. Existing and/or proposed bus stops, shelters and benches, including real time transit information.
5. Pedestrian accommodations at nearby intersections, e.g. crosswalks, pedestrian signals, push buttons, median refuges, ADA-compatible ramps.
6. Sufficient bicycle racks and/or lockers on-site.

APPENDIX G

Technical Advisory Group

Charlie Denney, AICP

Bicycle and Pedestrian Coordinator
Arlington County Department of Public Works

James R. Sebastian, AICP

Bicycle Program Manager
District Department of Transportation

Ellen Jones

Executive Director
Washington Area Bicyclist Association
(WABA)

Betsy Thompson

Bicycle Program Coordinator
Department of Recreation and Parks
City of Rockville

Dan Janousek, AICP

Planner/Bicycle Coordinator
City of Gaithersburg Planning and Code
Administration

Jennifer H. Toole, AICP

Toole Design Group
(also President, Association of Pedestrian and
Bicycle Professionals)

Bill Kelly

College Park Area Bicycle Coalition
(also member of Maryland Bicycle and
Pedestrian Advisory Committee)

Bill Wilkinson, AICP

Director
National Center for Bicycling and Walking

Gail Tait-Nouri

Bikeways Program Coordinator
Montgomery County Department of Public
Works and Transportation

Resolution No.: 15-880
Introduced: February 1, 2005
Adopted: February 1, 2005

**COUNTY COUNCIL FOR MONTGOMERY COUNTY, MARYLAND
SITTING AS THE DISTRICT COUNCIL FOR THAT PORTION
OF THE MARYLAND-WASHINGTON REGIONAL DISTRICT
WITHIN MONTGOMERY COUNTY, MARYLAND**

By District Council

SUBJECT: Approval of Planning Board Draft for the Countywide Bikeways
Functional Master Plan

Background

On May 14, 2004 the Montgomery County Planning Board transmitted to the County Executive and the County Council the Planning Board Draft for the Countywide Bikeways Functional Master Plan, a comprehensive amendment to the 1978 Master Plan of Bikeways.

On July 15, 2004 the Executive transmitted to the Council comments concerning the Planning Board Draft with a fiscal analysis.

On September 28, 2004 the Council held a public hearing regarding the Planning Board Draft. It was referred to the Transportation and Environment Committee for review and recommendation.

On November 29, 2004 the Transportation and Environment Committee held a worksession to review the issues raised in connection with the Planning Board Draft. The Committee forwarded it to the Council with several revisions.

On December 7, 2004 the Council approved Resolution 15-833 to extend the deadline for action on the Draft Master Plan Amendment to March 14, 2005.

On January 25, 2005 the Council reviewed the Planning Board Draft and the recommendations of the Transportation and Environment Committee.

Action

The County Council of Montgomery County, Maryland, sitting as the District Council for that portion of the Maryland-Washington Regional District in Montgomery County, Maryland, approves the following resolution:

The Planning Board Draft for the Countywide Bikeways Functional Master Plan is approved with revisions. Council revisions to the Planning Board Draft are identified below. Deletions to the text of the Plan are indicated by [brackets], additions by underscoring.

Page 3, revise the first sentence under 'Plan Scope' as follows:

This plan focuses on bicycling for [transportation or] recreation and utilitarian purposes in transportation rights-of-way.

Page 4, add the following sentence to the last full paragraph:

However, local connectivity is critical to the viability of a bicycle route network. This plan strongly recommends that neighborhood connectivity be given high priority in the layout and approval of new subdivisions.

Replace pages 26-30 with pages 26-30 in Exhibit A, which will correct the order of these pages.

Page 29, at the end of the section entitled 'Countywide Bikeways,' add the following paragraph:

The specific routes and types in Table 2-2 are strongly preferred. However, if during the design of a bikeway the specific route or type is found to entail costs or impacts disproportionate to its benefits, then an alternative route or type that serves the same general purpose and need may be built and would be consistent with this plan. Furthermore, a bikeway segment not identified in Table 2-2 may be implemented if it offers significant benefit to the plan and its goals.

Page 43, Table 2-2, revise the Bikeway Type for DB-2 as follows:

DUAL BIKEWAY; shared use path and signed shared roadway or bike lanes as feasible.

Page 43, Table 2-2, revise as follows:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/ Condition	BLOC Score*	Discussion
DB-19	E-26, S-40	Falls Road (MD189)	DUAL BIKEWAY; shared use path and [signed shared roadway] <u>bike lanes</u>	MacArthur Boulevard	Wootton Parkway	1978 MPB; Potomac Subregion	Existing 8' path alternates between north and south side of road; some gaps		Major connection between Rockville, Rockville Metro and MARC, to C&O Canal Towpath; facility planning initiated in 2002 to complete missing segments of bike path. Connects to Rockville's Millennium Trail, popular on-road bicycling route

Page 45, Table 2-2, insert:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/ Condition	Discussion
SP-44		<u>Capital Crescent Trail (surface route)</u>	<u>Shared use path</u>	<u>Elm Street Park</u>	<u>Woodmont Avenue</u>	<u>Bethesda CBD</u>	<u>Proposed</u>	<u>Provides a street-level connection between Georgetown Branch Interim Trail and Capital Crescent Trail</u>

Page 47, Table 2-2, revise SR-28 as follows:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/ Condition	Discussion
[SR-3] BL-9	E-21	Jones Bridge Road	[Signed shared roadway] <u>Bike lanes</u>	[Wisconsin Avenue] <u>Rockville Pike (MD355)</u>	Jones Mill Road/Capital Crescent Trail		New proposal	Major connection between Capital Crescent Trail/Rock Creek Trail and NIH/Medical Center Metro Station; currently signed as a bike route between MD355 and MD185; May be implemented as part of Jones Bridge Road busway (part of Bi-County Transitway)

Page 49, Table 2-2, revise last sentence in the 'Discussion' column for SR-49 as follows:

[City requests] This road should have SHA "bicycle areas" (see page 24 of plan) as long as they do not interfere with right-of-way that may be needed for the Purple Line.

Page 51, Table 2-2, revise DB-8 as follows:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/Condition	Discussion
DB-8		New Hampshire Avenue (MD650) - Ednor	DUAL BIKEWAY; shared use path and bike lanes	Spencerville Road (MD198)	Ednor Road	Cloverly	Shared use path is existing, bike lanes are proposed	Bike lanes [to] <u>could</u> be implemented with [future] <u>minor</u> road improvements

Page 52, Table 2-2, revise SP-15 as follows:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/Condition	Discussion
SP-15		New Hampshire Avenue (MD650) - Ashton	Shared use path	Ednor Road	Olney-Sandy Spring Road (MD108)	Sandy Spring/Ashton	Proposed	Shared use path [to] <u>could</u> be implemented with [future] <u>minor</u> road improvements

Page 52, Table 2-2, revise DB-9 as follows:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/Condition	Discussion
DB-9		Columbia Pike (US29) - North	DUAL BIKEWAY: shared use path and signed shared roadway	New Hampshire Avenue/ Lockwood Drive	Spencerville Road (MD198)	Fairland/ White Oak	Proposed	US29 Commuter Bikeway[,] <u>shared use path and</u> signed shared roadway [entire length on US29] (shoulder). [and] [s]Signed shared roadways along local streets and shared use paths as alternative connection[: signed shared roadway extends to Howard County line along shoulder of the new US29 alignment].

Page 52, Table 2-2, add SR-53 as follows:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/ Condition	Discussion
SR-53		Columbia Pike (US29) - North	Signed shared roadway	Spencerville Road (MD198)	Howard County	New	Proposed	Signed shared roadway along shoulder of new US29 alignment to connect to bikeway in Howard County

Page 52, Table 2-2, revise BL-12 as follows:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/ Condition	Discussion
BL-12	E-6	Old Columbia Pike	Bike lanes	Tech Road	Spencerville Road (MD198)	Fairland	Existing, but needs [improvements] improved signing and marking	Connects to major employment area[: facility planning underway in 2003 to improve bike lanes]

Page 52, Table 2-2, revise BL-12 as follows:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/ Condition	Discussion
BL-13		Fairland Road - west	Bike lanes	East Randolph Road	Columbia Pike (US29)	Fairland/ White Oak	Existing wide shoulders, not marked or signed	Good connections to other bikeways, but not to transit or activity centers]

Page 57, Table 2-2, revise as follows:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/ Condition	Discussion
[SP-44] DB-31	E-21	Westlake Drive - South	[Shared use path] DUAL BIKEWAY; shared use path and bike lanes	Democracy Boulevard	Westlake Terrace		New proposal; 8' [eight-foot] sidewalks/concrete paths exist on both sides	Vital link connecting Democracy Boulevard with Rock Spring Industrial Park and Cabin John Regional Park. Westlake Drive should be widened on the west side to provide space for the bike lanes.

Page 59, Table 2-2, revise the Bikeway Type for DB-17 as follows:

DUAL BIKEWAY; shared use path and signed shared roadway or bike lanes as feasible.

Page 59, Table 2-2, revise the Bikeway Type for DB-29 as follows:

DUAL BIKEWAY; shared use path and signed shared roadway or bike lanes as feasible.

Page 60, Table 2-2, insert at end of 'Rockville and Gaithersburg Vicinity' section:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/Condition	Discussion
BL-36		Snouffer School Road	Bike lanes	Woodfield Road (MD124)	Centerway Road		New proposal	Provides continuation of planned bike lanes on Muncaster Mill Road north to the Centerway Road
SP 28		Snouffer School Road	Shared use path	Centerway Road	Goshen Road		New proposal	Provides continuation of the BL-36 bikeway north to the East Village of Montgomery Village

Page 61, Table 2-2, revise the Bikeway Type for DB-27 as follows:

DUAL BIKEWAY; shared use path and signed shared roadway or bike lanes as feasible.


Page 62, Table 2-2, insert:

Route #	1978 Route # Reference	Bikeway Name	Bikeway Type	Limits (From)	Limits (To)	Plan Reference	Status/Condition	Discussion
SR-48		Kemptown Road	Signed shared roadway	MD 27	Frederick County	N/A	New proposal	Provides connection between Damascus and Frederick County bikeway network

General

All figures and tables are to be revised where appropriate to reflect County Council changes to the Planning Board Draft for the Countywide Bikeways Functional Master Plan. The text is to be revised as necessary to achieve clarity and consistency, to update factual information, and to convey the actions of the County Council. All identifying references pertain to the Planning Board Draft for the Countywide Bikeways Functional Master Plan, dated May 2004.

This is a correct copy of Council action.


 Elda M. Dodson, CMC
 Acting Clerk of the Council



THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

MCPB 05-03
M-NCPPC 05-03

RESOLUTION

WHEREAS, The Maryland-National Capital Park and Planning Commission, by virtue of Article 28 of the Annotated Code of Maryland, is authorized and empowered from time to time to make and adopt, amend, extend and add to the *General Plan for the Physical Development of the Maryland-Washington Regional District within Montgomery and Prince George's Counties*; and

WHEREAS, The Montgomery County Planning Board of The Maryland-National Capital Park and Planning Commission, pursuant to procedures set forth in the Montgomery County Code, Chapter 33A, held a duly advertised public hearing on December 11, 2003, on a proposed amendment to the *Master Plan of Bikeways within Montgomery County*, as amended ("Amendment"), (which is also an amendment of the *General Plan for the Physical Development of the Maryland-Washington Regional District within Montgomery and Prince George's Counties*, as amended); and

WHEREAS, the Montgomery County Planning Board, after said public hearing and following due deliberation and consideration, on April 22, 2004, approved the Planning Board Draft of the Amendment ("Draft Amendment") and recommended that it be approved by the Montgomery County Council, sitting as the District Council for that portion of the Maryland-Washington Regional District lying within Montgomery County ("District Council") and forwarded it to the County Executive for recommendations and analysis; and

WHEREAS, on May 14, 2004, the Montgomery County Planning Board submitted the Draft Amendment to the District Council; and

WHEREAS, the Montgomery County Executive reviewed the Draft Amendment, completed a Fiscal Impact Analysis on July 15, 2004, and made recommendations to the Montgomery County Council on July 15, 2004; and

WHEREAS, the District Council held a public hearing on September 28, 2004, wherein testimony was received concerning the Draft Amendment; and

MONTGOMERY COUNTY DEPARTMENT OF PARK AND PLANNING, 8787 GEORGIA AVENUE, SILVER SPRING, MARYLAND 20910
www.mncppc.org

WHEREAS, the Montgomery County Council's Transportation and Environment Committee, at its worksession held on November 29, 2004, reviewed the Draft Amendment and the issues raised at the public hearing with the Montgomery County Planning Board, the Montgomery County Executive staff and interested parties; and

WHEREAS, on January 25, 2005, the District Council reviewed the Draft Amendment and, subsequently, on February 1, 2005, the District Council approved the Amendment, with certain revisions, as set forth in Council Resolution 15-880;

NOW, THEREFORE, BE IT RESOLVED, that the Montgomery County Planning Board and The Maryland-National Capital Park and Planning Commission do hereby adopt said Amendment to the Master Plan of Bikeways within Montgomery County, (which is also an amendment to the *General Plan for the Physical Development of the Maryland-Washington Regional District within Montgomery and Prince George's Counties*, as amended), as approved with revisions by the District Council in the attached Resolution 15-880; and

BE IT FURTHER RESOLVED, that as to Resolution 05-03, this adoption be effective February 24, 2005; and

BE IT FURTHER RESOLVED, that copies of said Amendment shall be certified by The Maryland-National Capital Park and Planning Commission and filed with the Clerk of the Circuit Court of each of Montgomery and Prince George's counties, as required by law.

This is to certify that the foregoing is a true and correct copy of a resolution adopted by the Montgomery County Planning Board of The Maryland-National Capital Park and Planning Commission on motion of Commissioner Robinson, seconded by Commissioner Bryant, with Commissioners Berlage, Bryant, Perdue, Robinson and Wellington voting in favor of the motion at its regular meeting held on Thursday, February 24, 2005, in Silver Spring, Maryland.


Trudye Morgan Johnson
Director

This is to certify that the foregoing is a true and correct copy of a resolution adopted by the Maryland-National Capital Park and Planning Commission on motion of Commissioner Bryant, seconded by Commissioner Wellington, with Commissioners Berlage, Bryant, Eley, Harley, Hewlett, Squire, Vaughns, and Wellington voting in favor of the motion, and Commissioners Perdue and Robinson being absent, at its regular meeting held on Wednesday, March 16, 2005 in Riverdale, Maryland.


Trudye Morgan Johnson
Executive Director