

Countywide Transit Corridors Functional Master Plan

Appendix 5

Bikeway Recommendations

The staff draft of the *Countywide Transit Corridor Functional Master Plan* evaluated bikeway accommodations along all links recommended for a dedicated transitway (such as median lanes, curb lanes, or side-of-road lanes). Three policies were considered to determine whether the functional plan should recommend modifications or additions to planned bike facilities. Since right-of-way is constricted along most of the proposed BRT corridors, priority was given to these policies as follows.

First priority was to include the **master planned bikeway recommendation**, whether this is a signed shared roadway, or a shared use path, bike lanes, or cycle tracks. All master plan recommended bikeways are retained in this functional plan.

Second priority was to include bike lanes based on the **Planning Board’s bikeway policy**. This draft standard was recommended by the Planning Board on September 18, 2008 as part of the Context Sensitive Road Design Standards discussion. It states:

- Urban Major Highways, Arterials, and Minor Arterials
 - 5.5-foot wide bike lanes should be provided if specified in a Master Plan.
 - 14-foot wide curb lanes should be provided on all other major highways, arterials, and minor arterials.
- Suburban Major Highways, Arterials, and Minor Arterials
 - 5.5-foot wide bike lanes should be provided if specified in a Master Plan and should be provided on roads with average daily traffic (ADT) of 20,000 vehicles per day or posted speeds of 45 mph or greater.
 - 14-foot wide curb lanes should be provided on all other major highways, arterials, and minor arterials.
- Rural Major Highways, Arterials, and Minor Arterials
 - 5.5-foot wide bike lanes should be provided.

Third priority was given to accommodating the **State Highway Administration’s Policy on Marked Bicycle Lanes (revised November 2011)**, which states on page 5 that “All projects that involve widening or new construction shall meet the preferred widths...for marking Bicycle Lanes.” Bike lanes vary between 4 and 6 feet wide depending on the posted speed limit and the truck volumes. Most of the corridors in the recommended transit network are State highways.

The results show that 59 of the 79 miles of proposed transitways in the Countywide Transit Corridor Functional Master Plan would have some bikeway accommodation directly along the corridor, including 38 miles with a shared use path, nearly 22 miles with a signed shared roadway, over 18 miles with bike lanes, and one mile with cycle tracks. Bike lanes are included in nearly one-quarter of the transitway miles.

Table 5-1: Bikeway Summary

Bikeway Type	Miles			% of BRT Network
	Master Plan	Planning Board	Total	
Share Use Path	37.9	0.0	37.9	48%
Bike Lanes	8.7	9.7	18.4	23%
Cycle Tracks	0.9	0.0	0.9	1%
Signed Shared Roadway	21.5	0.0	21.5	27%
Any Bikeway	54.5	9.7	58.9	74%

And for nearly 76 of the 79 miles there are either bikeway accommodations directly along the corridor, or on parallel roads, as shown in the following corridor specific tables.

Table 5-2: Bicycle Accommodation for Georgia Ave North Corridor

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
Georgia Ave	Reedie Rd	400 ft north of Blueridge Ave	0.4			Amherst Ave / Grandview Ave
Georgia Ave	400 ft north of Blueridge Ave	Mason St	0.8			Grandview Ave
Georgia Ave	Mason St	500 ft south of Randolph Rd	0.1	Shared Use Path		Grandview Ave
Georgia Ave	500 ft south of Randolph Rd	Randolph Rd	0.1	Shared Use Path	Yes	Grandview Ave
Georgia Ave	Randolph Rd	Layhill Rd	0.2	Shared Use Path		
Georgia Ave	Layhill Rd	Denley Rd	0.4	Shared Use Path		
Georgia Ave	Denley Rd	Weller Rd	0.2	Shared Use Path		
Georgia Ave	Weller Rd	Matthew Henson State Park	1.0	Shared Use Path	Yes	
Georgia Ave	Matthew Henson State Park	MD 28	2.4	Shared Use Path		
Georgia Ave	MD 28	Emory Ln	1.2	Shared Use Path		
Georgia Ave	Emory Ln	Old Baltimore Rd	0.8	Shared Use Path		
Georgia Ave	Old Baltimore Rd	200 ft south of Queen Mary Dr	0.8	Shared Use Path		
Georgia Ave	200 ft south of Queen Mary Dr	Spartan Rd	0.2	Shared Use Path		
Georgia Ave	Spartan Rd	MD 108	0.2	Shared Use Path		
Olney Sandy Spring Rd	Georgia Ave	Spartan Rd	0.5	Shared Use Path		
Olney Sandy Spring Rd	Spartan Rd	Prince Phillip Dr	0.5	Shared Use Path		
Prince Phillip Dr	MD 108	Brooke Farm Dr	0.4	Signed Shared Roadway		

Table 5-3: Bicycle Accommodation for Georgia Ave South Corridor

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
Georgia Ave	DC Line	Blair Mill Rd	0.3			Metropolitan Branch Trail / Silver Spring Green Trail
Georgia Ave	Blair Mill Rd	Wayne Ave	0.4			Metropolitan Branch Trail / Silver Spring Green Trail
Georgia Ave	Colesville Rd	Spring St	0.3			Metropolitan Branch Trail / Silver Spring Green Trail
Georgia Ave	Spring St	16th St	0.7		Yes	Woodland Dr / 2nd Avenue
Georgia Ave	16th St	Flora Ln	0.2	No bicycle accommodation		
Georgia Ave	Flora Ln	I-495	0.2			Georgia Ave Pedestrian Bridge
Georgia Ave	I-495	Forest Glen Rd	0.2	Shared Use Path		
Georgia Ave	Forest Glen Rd	Dennis Ave	0.7	Shared Roadway		Woodland Dr
Georgia Ave	Dennis Ave	Windham Ln	0.5	Shared Roadway		Amherst Ave
Georgia Ave	Windham Ln	Veirs Mill Rd	0.3	Shared Roadway		Amherst Ave

Table 5-4: Bicycle Accommodation for MD 355 North Corridor

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
MD 355	Church St	270 ft north of N. Campus Dr	1.4	Shared Use Path		
MD 355	270 ft north of N. Campus Dr	1000 ft south of Indianola Rd	0.6	Shared Use Path		
MD 355	1000 ft south of Indianola Rd	1250 ft south of Shady Grove Rd	1.1	Shared Use Path		
MD 355	1250 ft south of Shady Grove Rd	Just south of O'Neil Dr	0.4	Shared Use Path		
MD 355	Just south of O'Neil Dr	Game Preserve Rd	3.8	Shared Use Path		
MD 355	Game Preserve Rd	Shakespeare Blvd	2.6	Shared Use Path		
Shakespeare Blvd	MD 355	Observation Dr	0.5	Shared Use Path / Shared Roadway	Yes	
Seneca Meadows Pkwy	Observation Dr	Corridor Cities Transitway	0.2	Shared Use Path / Shared Roadway	Yes	

Table 5-5: Bicycle Accommodation for MD 355 South Corridor

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
MD 355	Western Ave	Somerset Ter	0.3			Friendship Blvd / Belmont Ave
MD 355	Somerset Ter	Oliver St	0.1	Shared Use Path		
MD 355	Oliver St	Drummond Ave	0.2	Shared Use Path		
MD 355	Drummond Ave	Nottingham Dr	0.5	Shared Use Path		
MD 355	Nottingham Dr	Bradley Blvd	0.1	Shared Use Path		
MD 355	Bradley Blvd	Chestnut St	1.2			Woodmont Ave
MD 355	Chestnut St	Woodmont Ave	0.1		Yes	Woodmont Ave
MD 355	Woodmont Ave	Cedar Ln	0.8	Shared Use Path	Yes	North Bethesda Trail / Rock Creek Trail
MD 355	Cedar Ln	I-495	0.8		Yes	North Bethesda Trail / Rock Creek Trail
MD 355	I-495	Grosvenor Ln	0.4			North Bethesda Trail / Rock Creek Trail
MD 355	Grosvenor Ln	Tuckerman Ln (south)	0.1	Shared Use Path		North Bethesda Trail / Gosvenor Connector
MD 355	Tuckerman Ln (south)	600 ft north of Tuckerman Ln (n)	0.6		Yes	North Bethesda Trail / Gosvenor Connector
MD 355	600 ft north of Tuckerman Ln (n)	Hillery Way	0.5		Yes	North Bethesda Trail
MD 355	Hillery Way	Edson Ln	0.1			North Bethesda Trail
MD 355	Edson Ln	Just south of Hubbard Way	1.1	Shared Use Path		North Bethesda Trail / Nebel St
MD 355	Just south of Hubbard Way	Bou Ave	0.1	Shared Use Path		North Bethesda Trail / Nebel St
MD 355	Bou Ave	Twinbrook Pkwy	0.2			North Bethesda Trail
MD 355	Twinbrook Pkwy	Halpine Rd	0.3			Chapman Ave
MD 355	Halpine Rd	Church St	2.0	Shared Use Path		

Table 5-6: Bicycle Accommodation for New Hampshire Avenue Corridor

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
New Hampshire Ave	DC Line	University Blvd	1.8	Bike Lanes		
New Hampshire Ave	University Blvd	Northampton Dr	0.0	Prince George's County		
New Hampshire Ave	Northampton Dr	I-495	0.9	Shared Use Path / Shared Roadway	Yes	
New Hampshire Ave	I-495	Lockwood Dr	1.7	Shared Use Path / Shared Roadway	Yes	
New Hampshire Ave	Lockwood Dr	Randolph Rd	2.6	Shared Roadway		
New Hampshire Ave	Randolph Rd	Colesville Park & Ride	0.1	Shared Use Path / Bike Lanes		

Table 5-7: Bicycle Accommodation for North Bethesda Transitway

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
Old Georgetown Rd	Rockville Pike	Executive Blvd	0.3	Shared Use Path / Bike Lanes		
Old Georgetown Rd	Executive Blvd	Nicholson Ln	0.2	Shared Use Path		
Old Georgetown Rd	Nicholson Ln	Tuckerman Ln	0.7		Yes	
Old Georgetown Rd	Tuckerman Ln	I-270	0.3	Shared Use Path	Yes	
Old Georgetown Rd	I-270	Rock Spring Dr	0.3		Yes	
Rock Spring Drive	Old Georgetown Rd	Fernwood Rd	0.6	Shared Roadway		
Fernwood Rd	Rock Spring Dr	Rockledge Dr	0.1	Bike Lanes		
Westlake Terrace	Rockledge Dr	I-270	0.1	Bike Lanes		

Table 5-8: Bicycle Accommodation for Randolph Road Corridor

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
Randolph Rd	US 29	Paint Branch	0.8	Shared Use Path		
Randolph Rd	Paint Branch	Fairland Rd	1.3	Shared Roadway		
Randolph Rd	Fairland Rd	Glenallen Ave	3.1	Shared Use Path		
Glenallen Ave	Randolph Rd	Layhill Rd	0.3	Shared Use Path		
Glenallen Ave	Layhill Rd	Georgia Ave	0.3	Shared Use Path		
Randolph Rd	Georgia Ave	Judson Rd	0.1	Shared Use Path		
Randolph Rd	Judson Rd	Lindell St	0.6	Shared Use Path		
Randolph Rd	Lindell St	Veirs Mill Rd	1.2	Shared Use Path		
Randolph Rd	Veirs Mill Rd	Dewey Rd	0.4	Bike Lanes		
Randolph Rd	Dewey Rd	Parklawn Dr	0.8	Bike Lanes		
Parklawn Drive	Randolph Rd	Nebel St	0.8	Bike Lanes		
Nicholson Ln	Nebel St	MD 355	0.4	Bike Lanes		

Table 5-9: Bicycle Accommodation for University Boulevard Corridor

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
University Blvd	Georgia Ave	Amherst Ave	0.2			Blueridge Ave / Reddie Dr
University Blvd	Amherst Ave	Dayton St	0.4	Shared Use Path / Bike Lanes		
University Blvd	Dayton St	Easecrest Dr	0.1	Shared Use Path / Bike Lanes		
University Blvd	Easecrest Dr	US 29	2.1	Shared Use Path / Shared Roadway		
University Blvd	US 29	Piney Branch Rd	1.8	Shared Use Path / Shared Roadway		
University Blvd	Piney Branch Rd	New Hampshire Ave	0.9	Bike Lanes / Cycle Tracks		

Table 5-10: Bicycle Accommodation for US 29 Corridor

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
Colesville Rd	16th St	East-West Hwy	0.2	Shared Use Path / Shared Roadway		
Colesville Rd	East-West Hwy	Georgia Ave	0.3			Camerson St / Silver Spring Green Trail
US 29	Georgia Ave	Fenton St	0.1			Camerson St / Silver Spring Green Trail
US 29	Fenton St	Spring St	0.1			Camerson St / Silver Spring Green Trail
US 29	Spring St	Sligo Creek Pkwy	0.7			Ellsworth Dr
US 29	Sligo Creek Pkwy	I-495	0.6	Shared Roadway		
US 29	I-495	University Blvd (EB)	0.3	Shared Roadway		
US 29	University Blvd (EB)	University Blvd (WB)	0.0	Shared Roadway		
US 29	University Blvd	Southwood Ave	0.4	Shared Roadway		
US 29	Southwood Ave	Lockwood Dr	0.6	Shared Roadway	Yes	
Lockwood Drive	US 29	New Hampshire Ave	0.8	Shared Use Path / Shared Roadway		
Lockwood Drive	New Hampshire Ave	Stewart Ln	0.7	Bike Lanes		
Stewart Ln	Lockwood Dr	US 29	0.4	Shared Use Path / Shared Roadway		
US 29	Stewart Ln	MD 198	7.1	Shared Use Path / Shared Roadway		

Table 5-11: Bicycle Accommodation for Veirs Mill Road Corridor

Road	From	To	Miles	Master Plan Recommendation	Additional Space Provided for Bike Lanes	Alternative Bike Routes
Veirs Mill Rd	Wheaton Metro Station	Ennalls Ave	0.3	Shared Roadway		
Veirs Mill Rd	Ennalls Ave	University Blvd	0.1	Shared Roadway		
Veirs Mill Rd	University Blvd	Galt Ave	0.2	Shared Roadway		
Veirs Mill Rd	Galt Ave	Sherrie Ln	0.1	Shared Roadway		
Veirs Mill Rd	Sherrie Ln	Monterrey Dr	0.1	Bike Lanes		
Veirs Mill Rd	Monterrey Dr	Newport Mill Rd	0.3			Monterrey Dr / Broadview Rd / Wheaton - Claridge Local Park / Valleywood Dr
Veirs Mill Rd	Newport Mill Rd	Gail St	0.4			Monterrey Dr / Broadview Rd / Wheaton - Claridge Local Park / Valleywood Dr
Veirs Mill Rd	Gail St	Connecticut Ave	0.3	Shared Roadway		
Veirs Mill Rd	Connecticut Ave	Ferrara Ave	0.2	Shared Roadway		
Veirs Mill Rd	Ferrara Ave	Sampson Rd	0.1	Shared Roadway		
Veirs Mill Rd	Sampson Rd	Randolph Rd	0.3			Sampson Rd / Selfridge Rd
Veirs Mill Rd	Randolph Rd	Gridley Rd	0.1			Sampson Rd / Selfridge Rd
Veirs Mill Rd	Gridley Rd	Turkey Branch	0.3			Sampson Rd / Selfridge Rd
Veirs Mill Rd	Turkey Branch	Parkland Dr	0.2	Bike Lanes		
Veirs Mill Rd	Parkland Dr	Aspen Hill Rd	0.9	Bike Lanes		
Veirs Mill Rd	Aspen Hill Rd	Twinbrook Pkwy	0.5	Bike Lanes		
Veirs Mill Rd	Twinbrook Pkwy	Meadow Hall Dr	0.1	No Bicycle Accommodation		
Veirs Mill Rd	Meadow Hall Dr	MD 355	1.8	City of Rockville		