

Attachment 3.1A: Bike and Pedestrian Facility Improvements

**Attachment to Exhibit N – Technical Requirements
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**Existing, Planned, and Proposed Bike-Pedestrian Facilities Crossing I-495 as part of
Hot Lanes Project**

Updated December
12, 2007

Section	Description	Existing Conditions	Fairfax County Trails Plan	Proposed (Hot Lanes Project)	FCDOT Staff Recommendation	Comments
1	Heming Avenue (Route 2652)	N: 10 ft Sidewalk S: 6 ft Sidewalk	N: Major Regional Shared Use Path S: Minor Paved Shared Use Path	Replacement/widening of the bridge structure is not anticipated.	Maintain Existing Cross Section	While not identified on Trails Plan, on-road bike amenities will enhance neighborhood and regional connectivity improving access to Accotink Park and CCT. Heming Avenue is also identified in VDOT's "Northern Virginia Regional Bikeway and Trail Network Study" as a regional bike route.
2	Braddock Road (Route 620)	N: Sidewalk S: Sidewalk	N: Major Regional Shared Use Path On-road bike lanes	N: Widen sidewalk to 14 ft shared use path S: Remove sidewalk	North Side: 10 ft. wide sidewalk Both Sides: 5 ft. wide striped On-Road Bike Lanes	Improvements extend to project limits. Striped bike lanes are preferred due to speed and volume. Provides access to Wakefield Park.
3a	Wakefield Park (South of Route 236)	Shared Use (bike/ped)	N/A	Extend structure with existing width	Concur with recommendation	Currently the end of the ramp landing "touchdown" on the west side is a gravel surface. Pave as necessary to completion.
3b	Little River Turnpike (Route 236)	Safety walks on both N and S sides	N: Major Paved Shared Use Path S: Major Paved Shared Use Path On Road Bike Lanes	N: Widen safety walk to 14 ft shared use path S: Widen safety walk to 5 ft sidewalk	North Side: 5ft. wide sidewalk; however if right of way exists with the design exception then provide a 10 ft. wide sidewalk. South Side: 10 ft. wide sidewalk Both Sides: 5 ft. wide striped On-Road Bike Lanes	Staff will accept major shared use paths in lieu of on-road bike lanes. Project limits to project limits. Project must address presence of Cross County Trail. Project should examine construction of connecting trail to CCT. Improvements extend to project limits. There maybe a cross section issue in the northwest quadrant. (Merge Problem).
4a	Gallows Rd (Route 650)	N: Sidewalk S: Sidewalk	N: Major Shared Use Path S: Major Shared Use Path On-Road Bike Lanes	N: Widen sidewalk to 5 ft S: Widen to 14 ft Shared Use Path	North Side: 5 ft. wide sidewalk South Side: 10 ft. wide sidewalk Both Sides: 5 ft. wide striped On Road Bike Lanes	Gallows Road functions as the "bicycle beltway" & high priority corridor. Bike lanes should be delineated with pavement markings. Trail should be extended to Mobil Oil property
4b	Arlington Blvd (US Route 50)	None	N: Major Paved Shared Use Path	None	None	None
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5a	Lee Hwy (Route 29)	N: Sidewalk S: Sidewalk	N: Major Paved Shared Use Path S: Major Paved Shared Use Path	Match VDOT 29/Gallows Project 0029-029-119, C501 North Side: 6' wide sidewalk. South Side: 5' wide sidewalk Both Sides: Mixed use 14' wide right curb lanes	Match VDOT 29/Gallows Project 0029-029-119, C501 North Side: 6 ft. wide sidewalk. South Side: 5 ft. wide sidewalk Both Sides: Mixed use 14 ft. wide right curb lanes	NOTE: Hot Lanes Project has modified recommendation; will match project
5b	W&OD Trail @ I-495	Shared use path	Major Paved Shared Use Path	Replace Structure. Meet NVRPA design criteria for 16 Ft shared use path	N/A	Project must coordinate with NVRPA
5d	Idylwood Rd (Route 695)	N: Sidewalk S: Safety walk	N: Major Paved Shared Use Path S: major Paved Shared Use Path	N: Maintain sidewalk 5 ft. S: Widen safety walk to 5 ft. sidewalk	Both Sides: 5 ft. wide sidewalk	Also provide grading and right of way for sidewalks throughout the project limits.
6a	Oak St (Route 769)	N: Sidewalk S: Safety walk	S: Minor Paved Shared Use Path	N: Remove sidewalk S: Widen safety walk to 5 ft. sidewalk	Both Sides: 5 ft. wide striped On-Road Bike Lanes. South Side: 5 ft. wide sidewalk	While not identified on Trails Plan, the addition of bike lanes on Oak St. will serve as alternative non-motorized route in lieu of Idylwood Rd, Route 123 and Route 7.
6b	Leesburg Pike (Route 7)	N: Safety walk S: Safety walk	N: Major Paved Shared Use Path S: Major Paved Shared Use Path	N: Widen safety walk to 5 ft sidewalk S: Widen safety walk to 14 ft shared use path	Both Sides: 10 ft. wide sidewalk	Further study required to evaluate ramp conflicts and path alignment. New outer loop exit ramp appears to conflict with Kidwell Drive.
6c	Westpark Bridge (B649)			Both Sides: 5' wide sidewalk Both Sides: 5' wide striped On-Road Bike Lanes	Both Sides: 5 ft. wide sidewalk Both Sides: 5 ft. wide striped On-Road Bike Lanes	
7a	Chain Bridge Road (Route 123)	None	N: Major Paved Shared Use Path SW: Major Paved Shared Use Path SE: None On-Road Bike Lanes	N: Provide space for future 14' wide Shared Use Path SW: Provide space for a 5 ft sidewalk SE: None	Both Sides: 10 ft. wide sidewalks. Both Sides: 5 ft. wide striped on-road bike lanes.	Route 123 presents many issues for bicyclists. In lieu of trails plan request on route 123 suggest examining alternative routes (e.g. Jones Branch Dr, Lewinsville Rd. and Oak St.) Bridge length should allow for any future widening as shown in the Ffx Co. Comp. Plan

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	Jones Branch Dr (Phase I)	None	Not in Comp Plan	N: 5 ft. Sidewalk to tie to existing trail only S: (future phase)	N:10 ft. Sidewalk to tie to existing trail only S: (future phase)	Design Phase I for the ultimate cross section to accommodate 10 ft. wide sidewalks on both sides and 5 ft. wide striped On-Road Bike Lanes both sides. Phase 1 calls for a 10 ft. wide sidewalk on the north side from existing Jones Branch Drive to connect to the existing trail located in the North East Quadrant of the intersection of Jones Branch Drive and the Jones Branch Drive Connector.
7b	Jones Branch Dr (Phase II)	None	Not in Comp Plan	N: 5 ft Sidewalk S: 5 ft Sidewalk	N: 10 ft Sidewalk S: 10 ft Sidewalk Both Sides: 5 ft wide striped on-road bike lanes.	Phase II will be constructed with the ultimate design of Jones Branch Drive tying to Scott Street on the East side of the Beltway. These pedestrian facilities will provide access to the future metro rail on Route 123.
7c	Lewinsville Rd (Route 694)	N: Sidewalk S: Safety walk	N: Major Paved Shared Use Path S: Major Paved Shared Use Path	N: 5 ft. wide sidewalk S: Widen safety walk to 5 ft sidewalk	Both Sides: 5 ft. wide sidewalks. Both Sides: 5 ft. wide striped on-road bike lanes.	Although, not identified on Trails Plan, the addition bike amenities will provide bicycle connectivity for the Tyson's-McLean-Arlington corridor. Grading and right of way need to be provided throughout the project limits.

- NOTES:
1. An additional 0.5 ft should be added to all the sidewalk widths to accommodate curb per the standard.
 2. The 5 ft on-road bike lanes includes 2 ft of the gutter pan and 3 ft of pavement. During the design process a determination will be made if on-road bikes lanes, or wide curb lanes are appropriate.
 3. FCDOT Staff Recommendation applies to the bridge crossings of the Capital Beltway. Limits on the approach roadways shall be defined as design develops.
 4. VDOT concurs with the FCDOT Staff Recommendation.