



County of Fairfax, Virginia

Urban Street Standards Progress Report

Board of Supervisors
Transportation Committee

December 10, 2013



Background Activities

- ✓ April 2010 – The General Assembly of Virginia enacted HB 222 (Watts), “Design standards for state secondary highway system components,” which required VDOT and the Department of Rail and Public Transportation (DRPT), to work in conjunction with Fairfax County to develop new context sensitive, urban design standards for the county.
- ✓ September 13, 2011 – The Board adopted Transportation Design Standards and a Memorandum of Agreement (MOA) with VDOT, for the Tysons Corner Urban Center for the purpose of creating a public street grid.
- ✓ September 2012 – County staff met with VDOT to initiate discussions about creating count-wide urban transportation design standards for public streets.
- ✓ May 25, 2012 – County Staff presented to the Board an 18-month approach to developing Transportation Design Standards for the remaining urban activity districts and revitalization areas in Fairfax County.

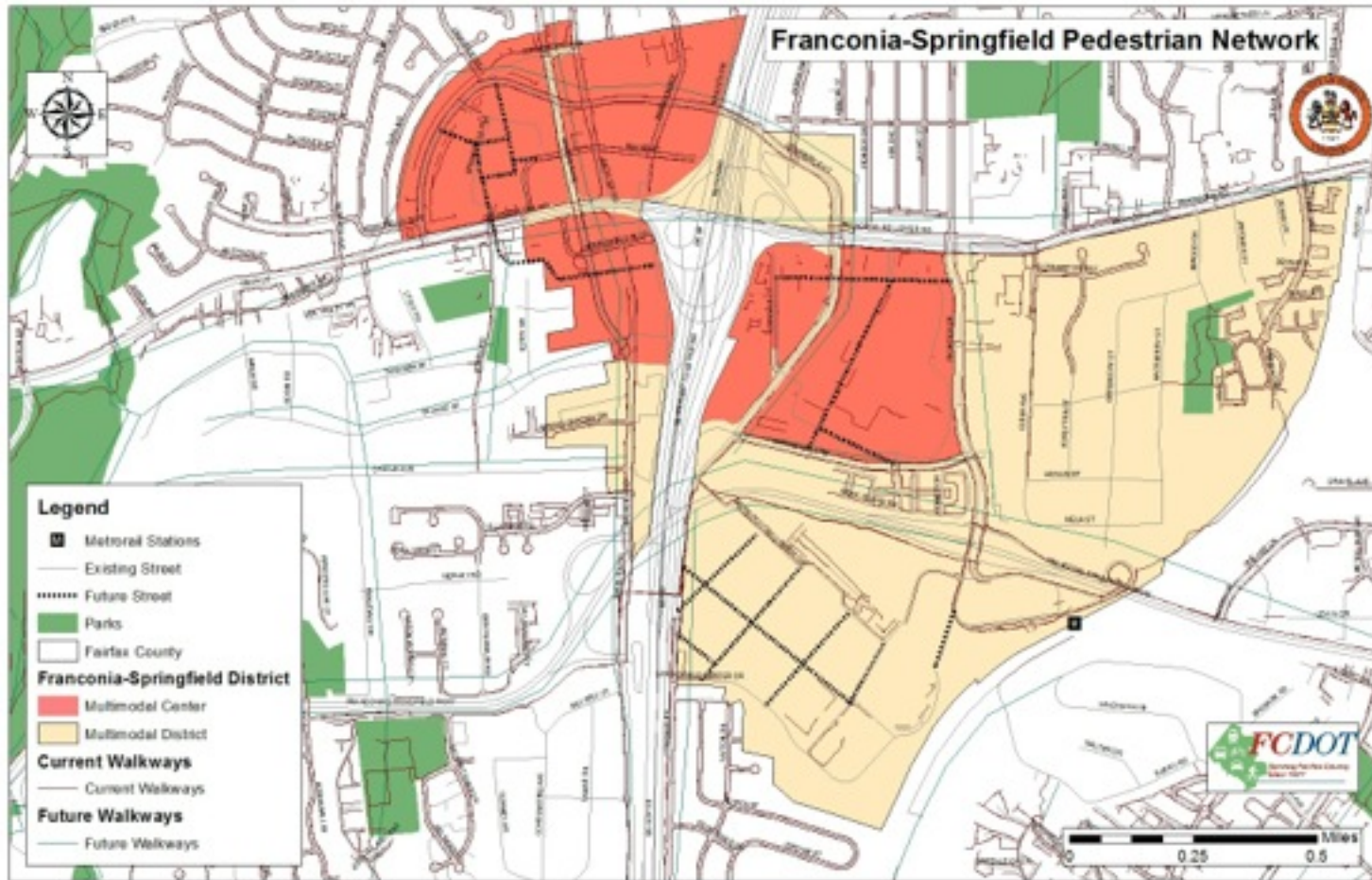


Background Activities

- ✓ May 2012-December 2013 – County staff have been meeting monthly with VDOT and DRPT, and working cooperatively to develop county-wide transportation design standards for public streets.
- ✓ November 2013 – The DRPT released the final State Multimodal System Design Guidelines. These establish statewide urban road cross sections.
- ✓ November 2013 – Fairfax County submitted to VDOT the first “straw man” multimodal system map for the Franconia-Springfield area. VDOT will use this submission to train their staff and evaluate the review process.

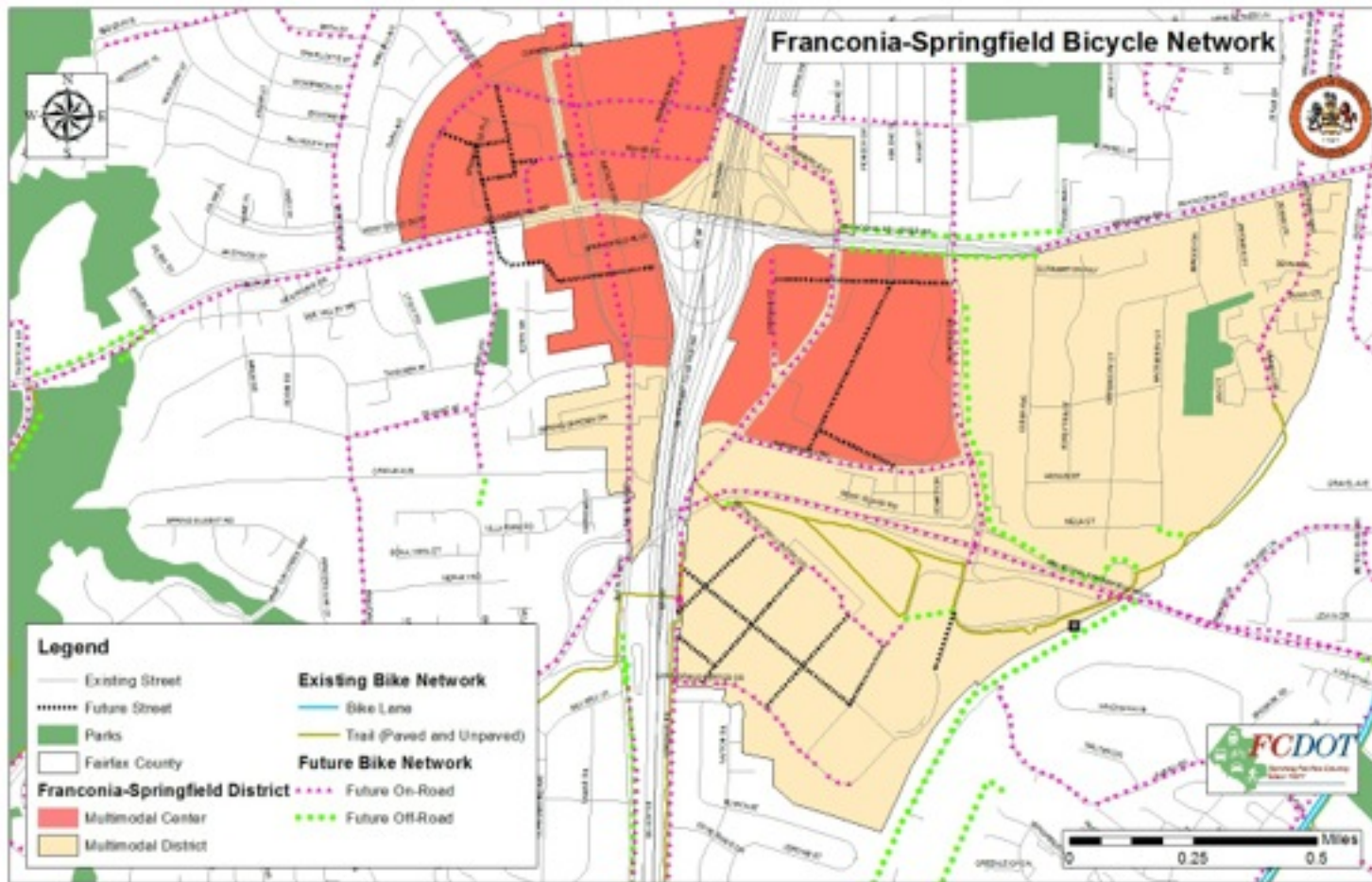


Franconia-Springfield Pedestrian System Map



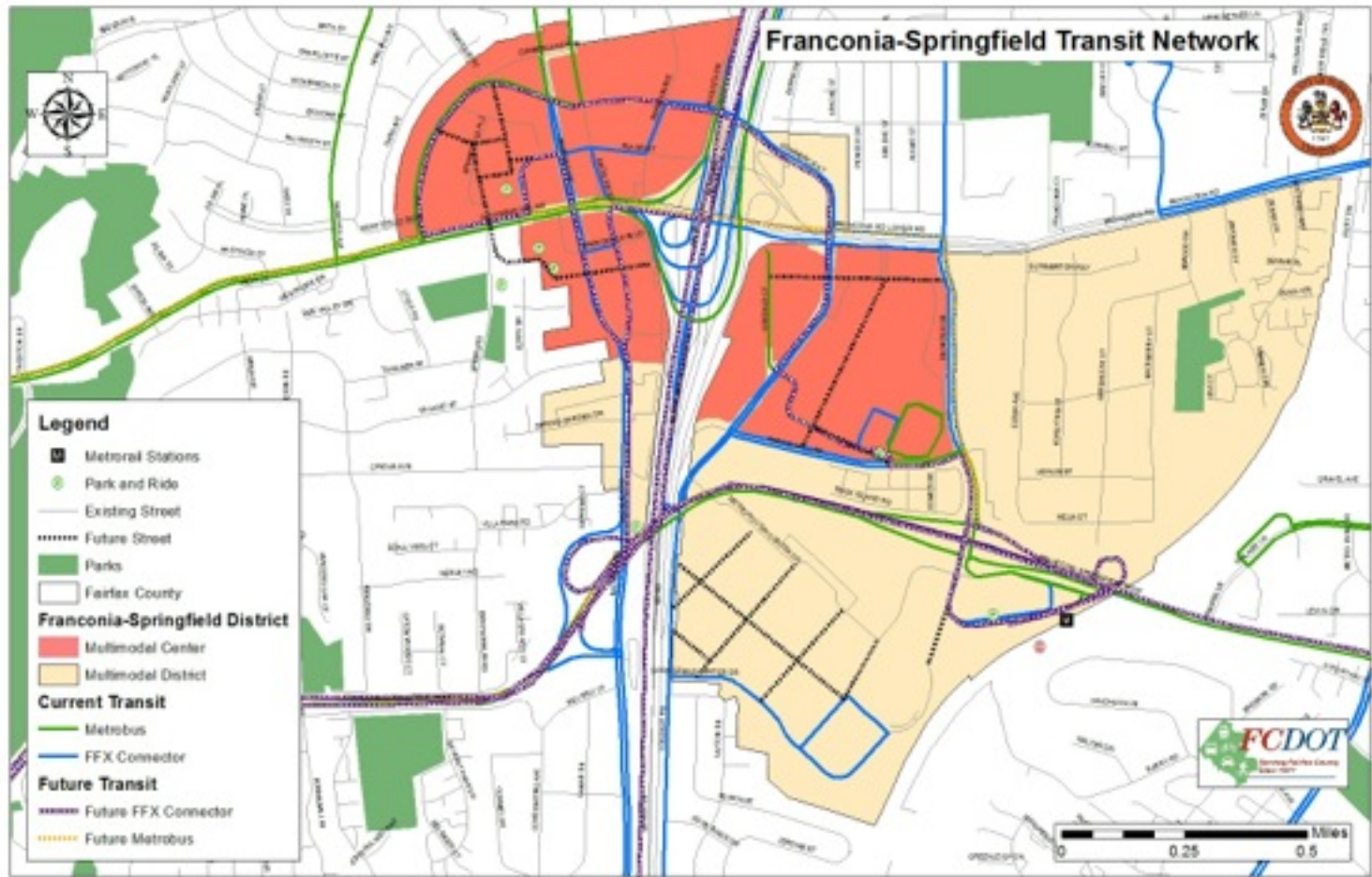


Franconia-Springfield Bicycle System Map



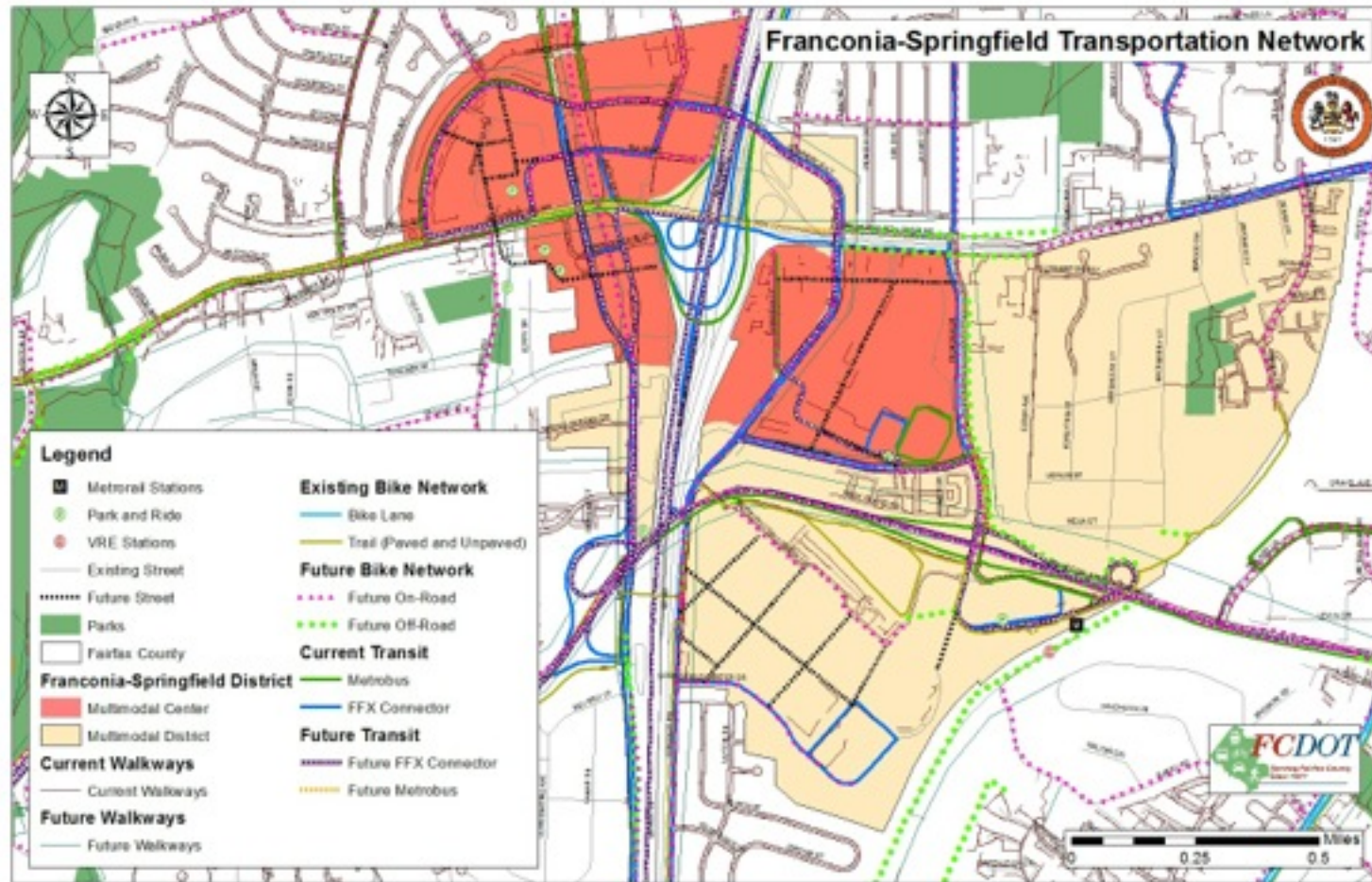


Franconia-Springfield Transit System Map





Franconia-Springfield Multimodal System Map





Current Activities

- ✓ VDOT has written a new appendix for the State Road Design Manual that incorporates by reference, the methodology of the DRPT Multimodal System Design Guidelines, and facilitates the implementation thereof. Expectation is to have the appendix adopted in January 2014.
- ✓ Fairfax County is developing GIS based multimodal system maps for all remaining compatible urban activity districts.
- ✓ Activity districts that are under further study, such as Route 1 and Seven Corners will be submitted after those studies are finished.
- ✓ Fairfax County will later develop, based on the County comprehensive plan, recommended urban roadway cross sections for all roadways within the approved urban activity districts.



Remaining Tasks

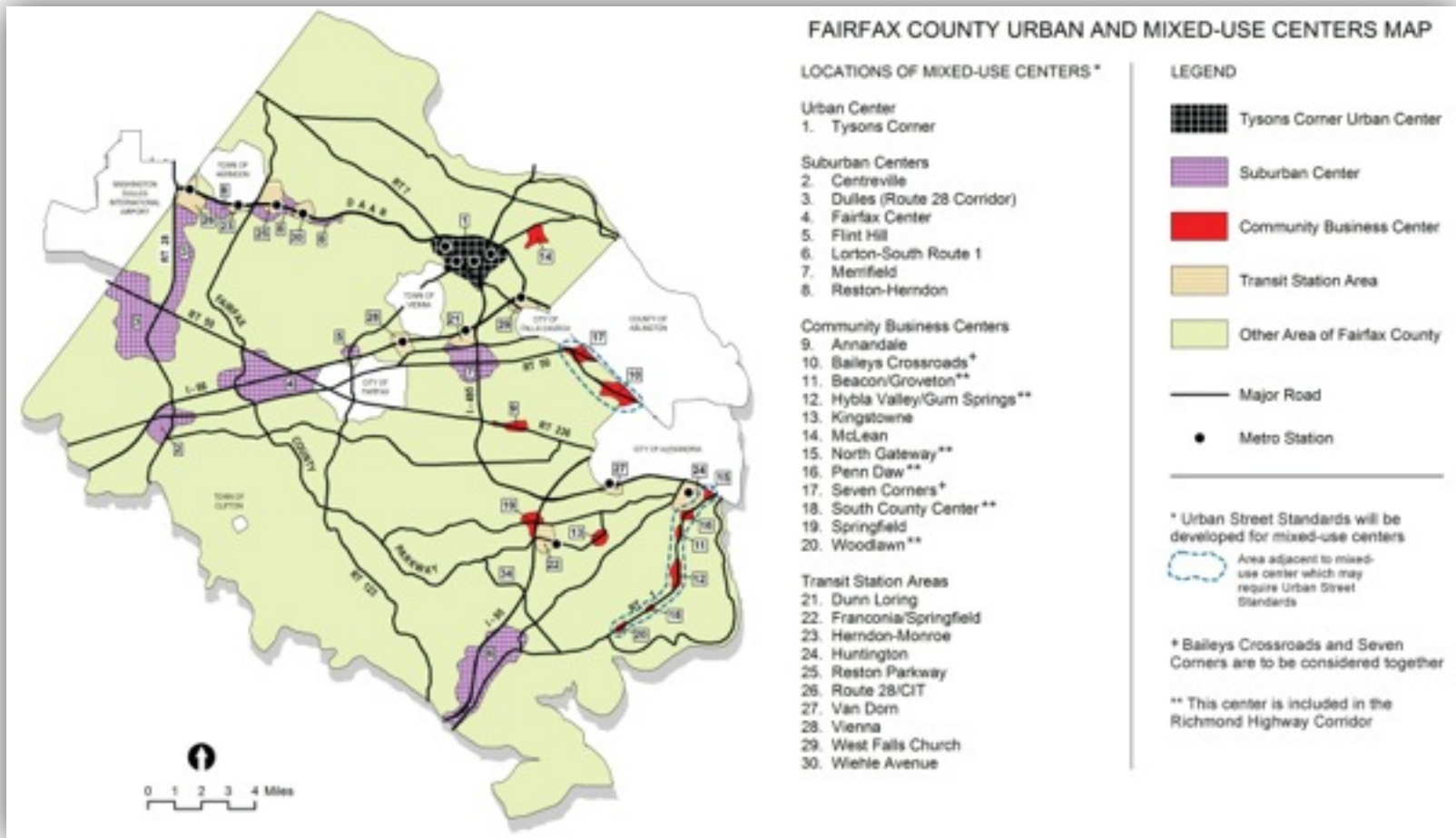
□ There are 30 activity districts within the county. The Tysons Design standards will remain unchanged. Eleven of the 24 activity districts that are compatible with the multimodal system design guidelines will be developed in this general order:

- Franconia-Springfield
- Wiehle-Reston East TSA
- Reston Town Center TSA
- Herndon TSA
- Innovation Station TSA
- Bailey's Crossroads
- Merrifield-Dunn Loring
- McLean
- Annandale
- Vienna TSA
- West Falls Church TSA





All Revitalization and Urban Activity Districts





All Revitalization and Urban Activity Districts

- | | |
|------------------------------|---------------------------|
| 1. Tysons | 16. Penn Daw |
| 2. Centerville | 17. Seven Corners |
| 3. Dulles (Route 28) | 18. South County Center |
| 4. Fairfax Center | 19. Springfield |
| 5. Flint Hill | 20. Woodlawn |
| 6. Lorton (So. Route 1) | 21. Dunn Loring |
| 7. Merrifield | 22. Franconia-Springfield |
| 8. Reston-Herndon | 23. Herndon-Monroe |
| 9. Annandale | 24. Huntington |
| 10. Baileys Crossroads | 25. Reston Parkway |
| 11. Beacon-Groveton | 26. Route 28-CIT |
| 12. Hybla Valley-Gum Springs | 27. Van Dorn |
| 13. Kingstowne | 28. Vienna |
| 14. McLean | 29. West Falls Church |
| 15. North Gateway | 30. Wiehle Avenue |

Note: Greyed districts are those that are not compatible with the multimodal system design guidelines.



Proposed Submission Schedule

	Nov 2013	Dec 2013	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014
Franconia-Springfield	✓									
Wiehle-Reston East TSA				✓						
Reston Town Center TSA				✓						
Herndon TSA				✓						
Innovation Center TSA				✓						
Bailey's Crossroads					✓					
Merrifield-Dunn Loring						✓				
Mclean							✓			
Annandale								✓		
Vienna TSA									✓	
West Falls Church TSA										✓



Remaining Tasks

- ❑ The preceding schedule represents the county's anticipated submission deadlines, but does not project the actual time needed for DRPT and VDOT review and approval.
- ❑ VDOT is initiating training with their staff on the multimodal system design guidelines and the proposed road design manual appendix.
- ❑ County staff expects to complete the adoption of the County-wide Bicycle Master Plan into the county's comprehensive plan by April or May 2014. Adoption of the bike plan is required in order to generate multimodal system maps and road cross sections that incorporate bicycle facilities.
- ❑ As VDOT and DRPT complete their review of the multimodal system maps, County staff will bring the maps to the Board for approval.



Remaining Tasks

- ❑ Once approved by the Board, staff will develop the road cross sections for those activity districts that have cross sectional information defined in the comprehensive plan. These should be able to be submitted to VDOT within a few months of approval of the multimodal system maps.
- ❑ For those districts that do not have cross sectional information defined in the comprehensive plan, the interim default cross sections will be those adopted in the DRPT Multimodal System Design Guidelines.
- ❑ County staff may consider, at the direction of the Board, to initiate corridor studies or community plans that would eventually, through a comprehensive plan update, provide detailed cross section information for those districts. This initiative would take several or more years to complete for each district.
- ❑ County staff will be working through the implementation details of the new design standards primarily through the land development process.



Remaining Tasks

- ❑ FCDOT will be discussing with DPWES the possible need for an update to the PFM that will allow for application of the urban design standards to by-right developments.
- ❑ FCDOT will be discussing a possible MOA with VDOT, that may be required in order to resolve maintenance responsibilities within the County's urban activity districts.





Questions?





Appendix





Primary Reference Sources

- Fairfax County Comprehensive Plan.
- Institute of Transportation Engineers (ITE) recommended practice: *Designing Walkable Urban Thoroughfares: A Context Sensitive Approach*, 2010.
- American Association of State Highway and Transportation Officials (AASHTO), *A Policy on Geometric Design of Highways and Streets*, 2004; low speed urban street design.
- Road Design Manual (RDM), VDOT.
- Access Management Design Standards for Entrances and Intersections, VDOT.
- Multimodal System Design Guidelines, Department of Rail and Public Transportation (DRPT).

