



RESTON STUDIES, PROJECTS & ACTIVITIES: 2015

June 2015

Fairfax County:

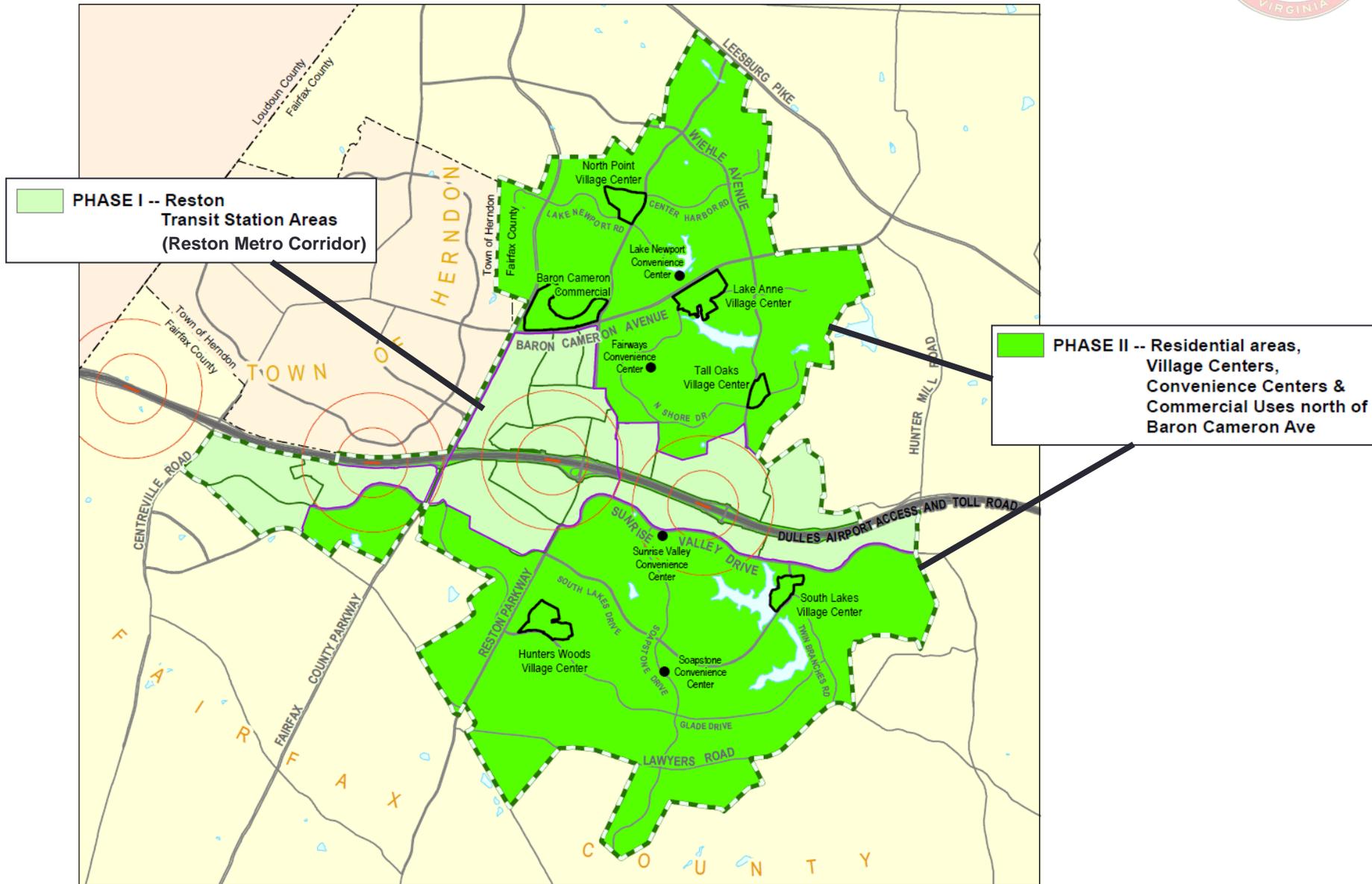
Department of Planning and Zoning (DPZ)

Department of Transportation (DOT)

Office of Community Revitalization (OCR)



Reston Master Plan Study Area Phases





Reston Phase I Plan Amendment

Area	Reston Metro Corridor / Phase 1 planning area
Description	Update of Comprehensive Plan text for transit station areas along Metro corridor
Status	Completed (adopted by BOS 2/11/2014)
Time Frame	NA
Outreach	Task Force and Community Meetings
Next Step	Implementation of Follow-on Motions
Contact	Faheem Darab, DPZ - Ahmad.Darab@fairfaxcounty.gov



Phase I Plan Amendment: *Follow-on Motions*

- *Urban Design* – work with stakeholders to review and make recommendations on how to incorporate Reston specific design features into future development
- *Transportation Funding* – develop an inclusive process to prepare a funding plan for the transportation improvements recommended in the Reston Master Plan
- *Enhanced Street Network* – conduct a detailed evaluation and operation analysis of the enhanced street network shown in the Reston Master Plan



Phase I Plan Amendment: *Transportation*

Area	Reston Metro Corridor / Phase 1 planning area
Description	Update of Comprehensive Plan text for transit station areas along Metro corridor
Status	Completed (adopted by BOS 2/11/2014)
Time Frame	NA
Outreach	Task Force and Community Meetings
Next Step	Implement Follow-on Motions
Contact	Kristin Calkins, DOT - Kristin.Calkins@fairfaxcounty.gov



Phase I Plan Amendment: *Major Road Transportation Recommendations*

- Three new multimodal crossings of the Dulles Toll Road
 - Town Center Parkway Underpass
 - Soapstone Drive Overpass
 - South Lakes Drive Overpass
- Grade separate Fairfax County Parkway/Sunrise Valley Drive
- An enhanced local street network to increase connectivity



Phase I Plan Amendment: *Major Transportation Recommendations*

- Maintain a balance between land use and transportation
 - Introducing housing in the TSAs, where previously prohibited
- Ensure pedestrian mobility throughout the TSAs
- Bike master plan for County, including the TSAs, has been adopted
- An enhanced RIBS service to support rail
- Strong Transportation Demand Management (TDM) program in the TSAs

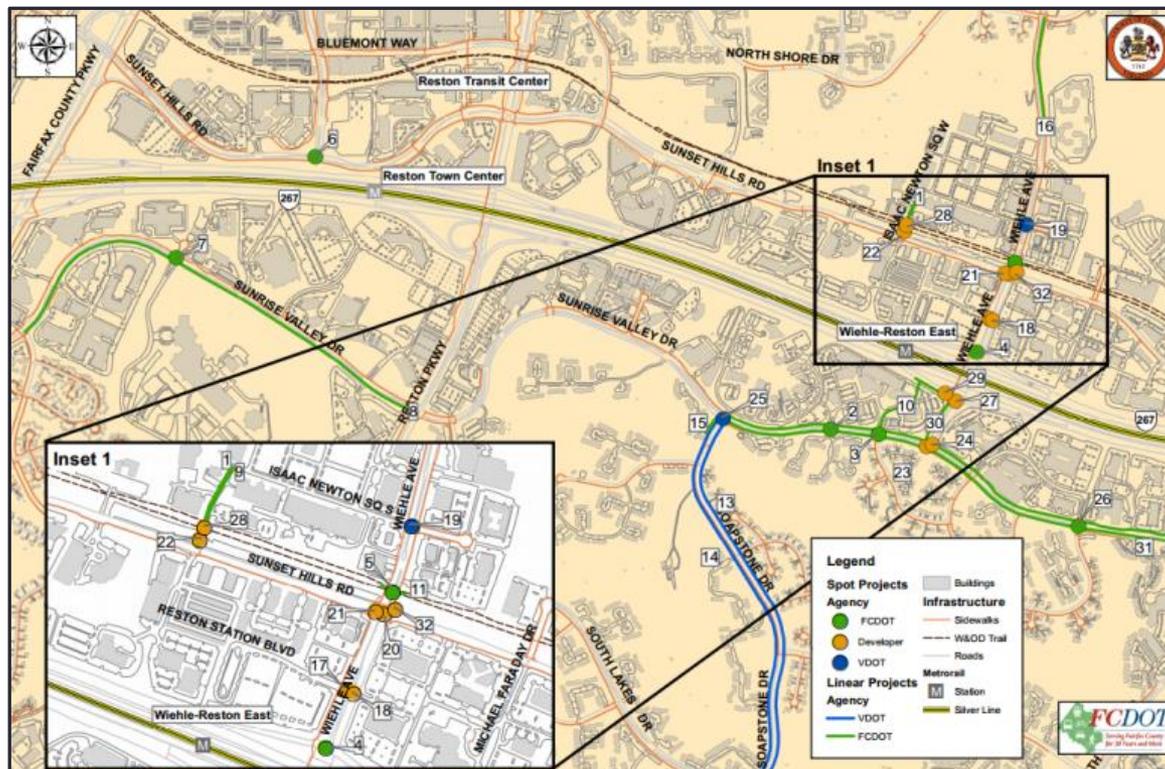


Reston Area Metro Station Access (RMAG)

Area	Wiehle-Reston East and Reston Town Center Metrorail Stations
Description	Identified projects to improve pedestrian, vehicle, and bicycle connections to and from these two Metrorail Stations
Status	Study complete; Project implementation underway & funded for Wiehle-Reston East; \$21.5 M approved for Reston Town Center projects
Time Frame	Implementation on-going, expected through April 2018
Outreach	Working group, public meetings
Next Step	Implementation
Contact	Leonard Wolfenstein, DOT - Leonard.Wolfenstein@fairfaxcounty.gov http://www.fairfaxcounty.gov/fcdot/silverline/restonimp.htm

RMAG: *Improvement Projects*

- Create connections to Metro Stations
- Reduce single occupancy vehicle (SOV) trips
- Extensive public involvement in identification of projects





RMAG Projects: *Completed*

- **Crosswalks**

- Wiehle Ave. &
 - Reston Station Blvd.
 - Sunset Hills Rd.
 - Sunrise Valley Dr.
 - EB Dulles Toll Road
- Sunset Hills Rd. & Isaac Newton Sq. West
- Sunrise Valley Dr. & Soapstone Rd.

- **Shared-Use**

- Isaac Newton Sq. West & W&OD

- **Sidewalks**

- Soapstone Dr. – west side from Sunrise Valley Dr. to Hunters Green Ct.
- Wiehle Ave. – east side from Chestnut Grove Sq. To North Shore Dr.

- **Bike Lanes**

- Soapstone Dr. – from end of Soapstone Dr. to Sunrise Valley Dr.



RMAG Projects: *Future Projects*

• **Crosswalks**

- Wiehle Ave. & WB DTR*
- Sunset Hills Rd & Town Center Pkwy.*
- Sunrise Valley Dr. & Mercator Dr.*
- Wiehle Ave. & Isaac Newton Sq. South

• **Shared-Use**

- Grade separation of W&OD over Wiehle Ave.*
- Wiehle Ave. Walkway/bikeway – from Metro entrance to Sunrise Valley Dr.

• **Sidewalks**

- Sunrise Valley Dr. – south side from Glade Dr. to Reston Pkwy.*
- Isaac Newton Sq. West – Metro Center Dr. to Isaac Newton Sq. South
- Sunrise Valley Dr. – south side from South Lakes Dr. to Soapstone Dr.*

*Currently under design



Herndon Metrorail Stations Access Management Study (HMSAMS)

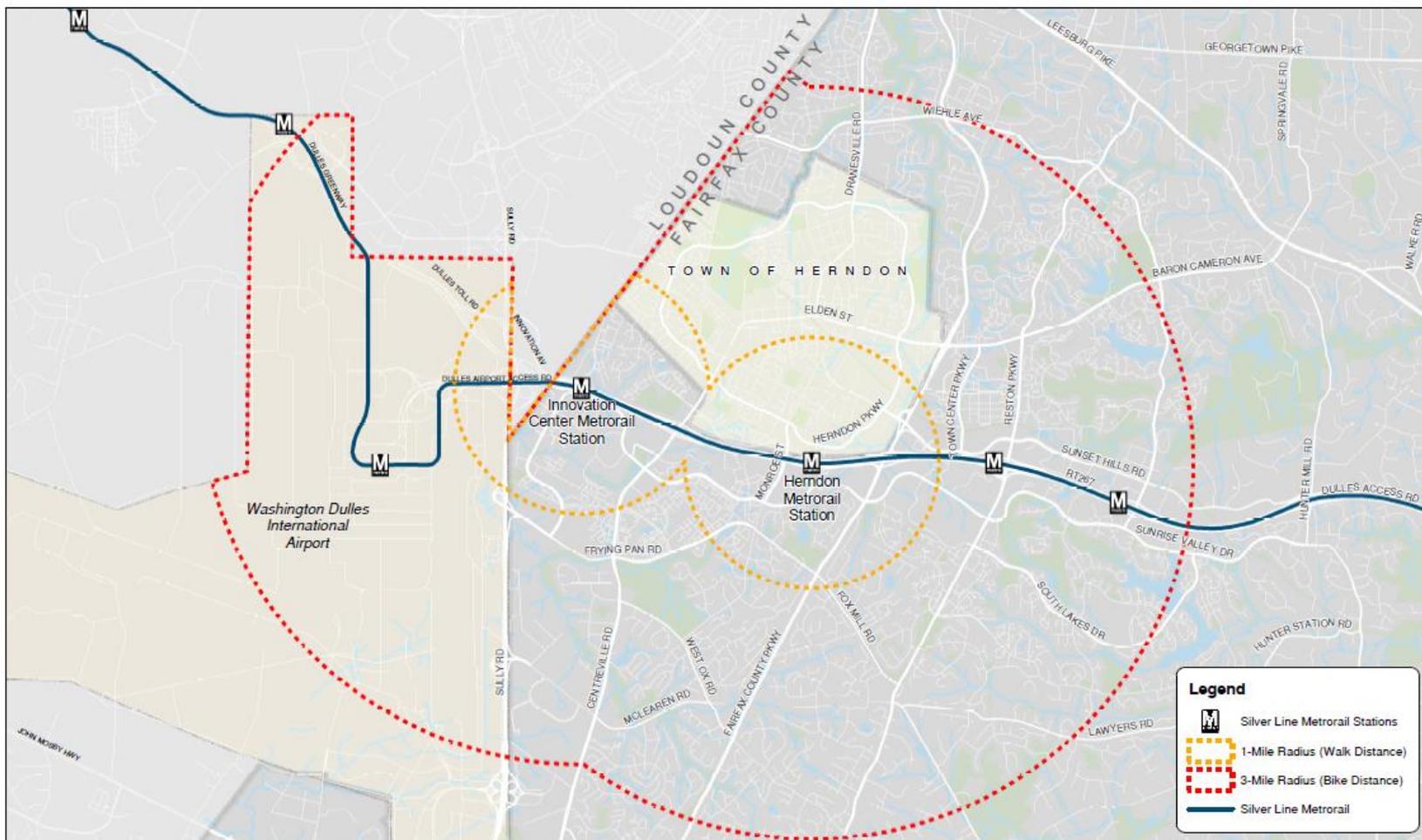
Area	Pedestrian Projects: 1-mile radius of Herndon Metrorail Stations Bicycle Facility Projects: 3-mile radius of Herndon Metrorail Stations
Description	Through an extensive public outreach process, identify and prioritize necessary pedestrian and bicycle facility improvements to improve access to the future Herndon and Innovation Center Metrorail Stations.
Status	Study complete and pending BOS approval; \$25 million approved funding
Time Frame	Presentation to the BOS: January 2015
Outreach	Advisory Group, community meetings, stakeholder meetings and online survey.
Next Step	Present HMSAMS Final Report to the Fairfax County Board of Supervisors (BOS) and develop a Fairfax County Department of Transportation Staff recommended list of HMSAMS projects to fund for presentation to the BOS.
Contact	Kris Morley-Nikfar, DOT - Kris.Morley-Nikfar@fairfaxcounty.gov



HMSAMS: *Background*

Established in 2013 to develop a bicycle and pedestrian improvement plan for areas surrounding the future Herndon and Innovation Center Metrorail Stations.

HMSAMS: Study Area



Herndon Metrorail Stations Access Management Study
Study Area Map

0 0.25 0.5 1 Miles





HMSAMS: *Tasks*

- Understand Existing Conditions
- Identify Bicycle and Pedestrian Network Recommendations
 - Bicycle Master Plan
 - Existing sidewalk inventory
 - Approved rezoning applications
 - Already funded improvements
 - HMSAMS Advisory Group recommendations
- Public Outreach
 - Identify additional needs
 - Prioritize improvements
- Develop Station Access Management Plan

HMSAMS: *Pedestrian and Bicycle Facility Improvement Recommendations*

Intersections for Improvements: **14**

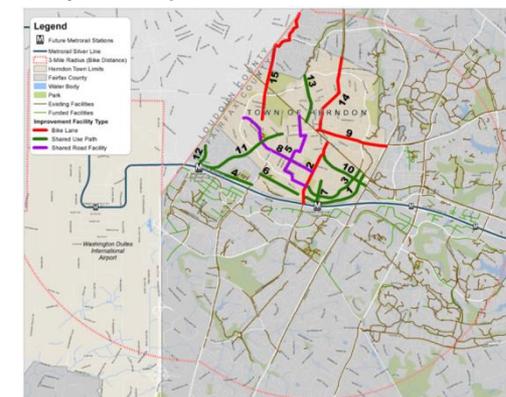
Pedestrian Facility Improvements: **14**

Bicycle Facility Improvements: **30**

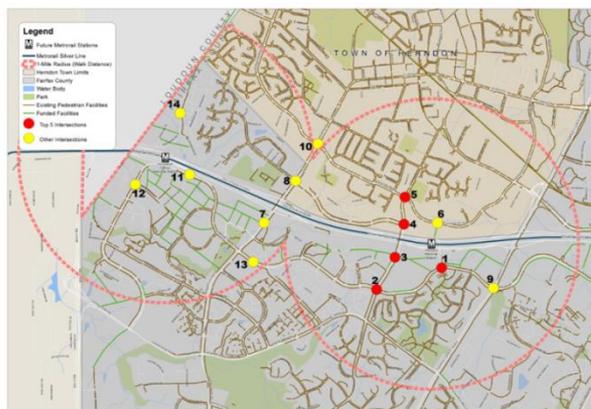
- 15 North of the Dulles Toll Road
- 15 South of the Dulles Toll Road

\$25 million dedicated funding, approved by the Board, January 28, 2014

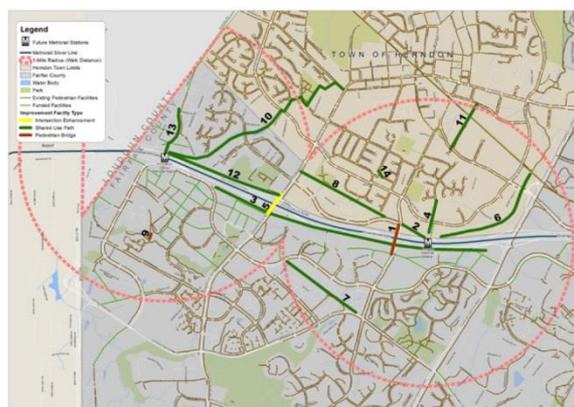
Bicycle Improvements North of DTR



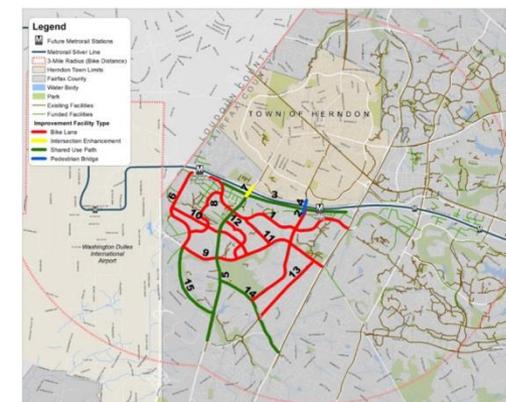
Intersections for Improvements



Pedestrian Improvements



Bicycle Improvements South of DTR



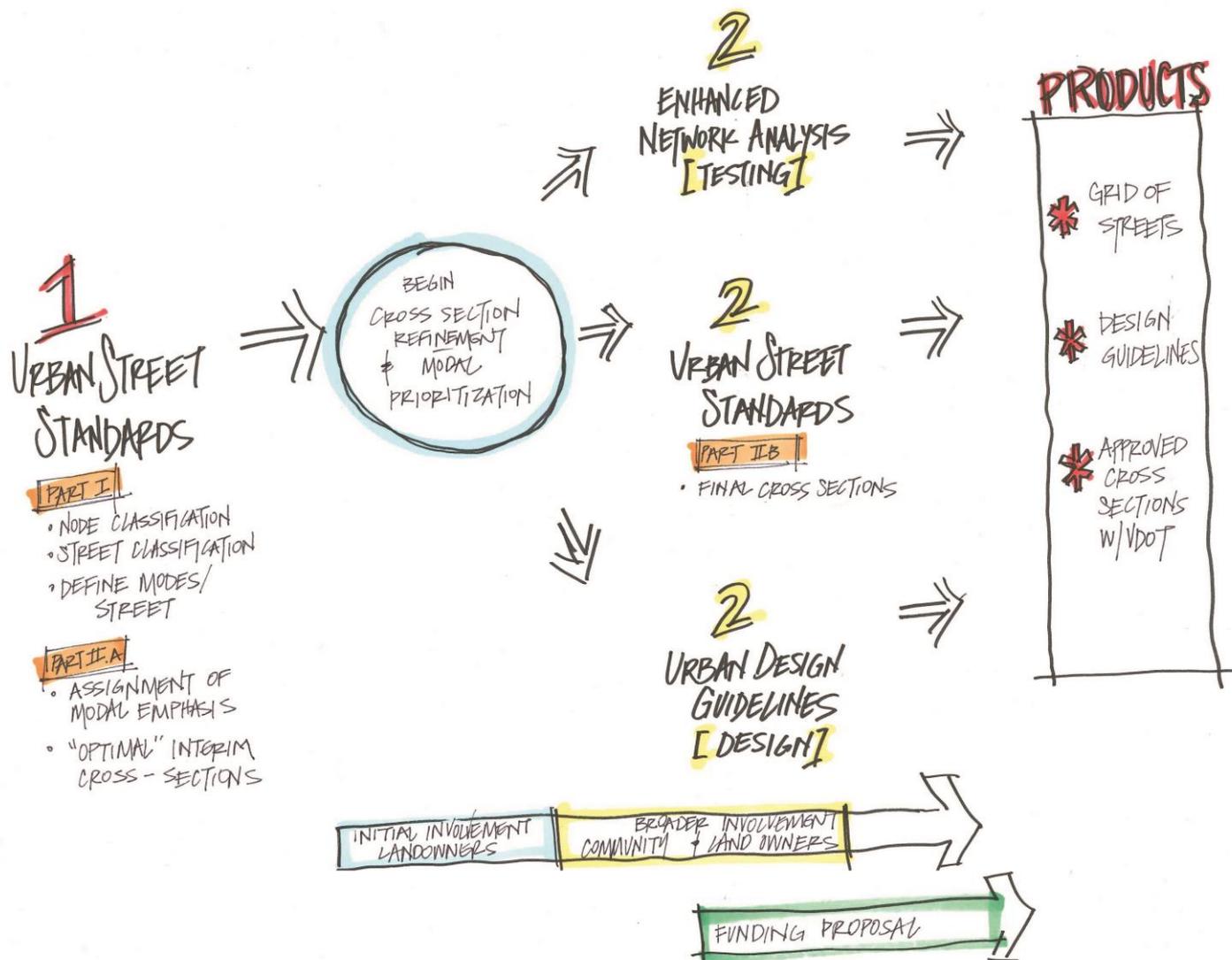


Phase 1 Plan Amendment: *Implementation*

- Comprehensive Plan Follow-on Motion Projects
 - Urban Design Standards
 - Transportation Funding
 - Enhanced Network Analysis
- Other Reston Metro Corridor Projects
 - RMAG
 - HMSAMS
 - VDRPT Multimodal Design Standards
- Development Applications
 - Over 20 land owners have come in for discussion with Zoning Evaluation about development opportunities and/or pre-application meetings



Reston Metro Corridor Projects: Relationships



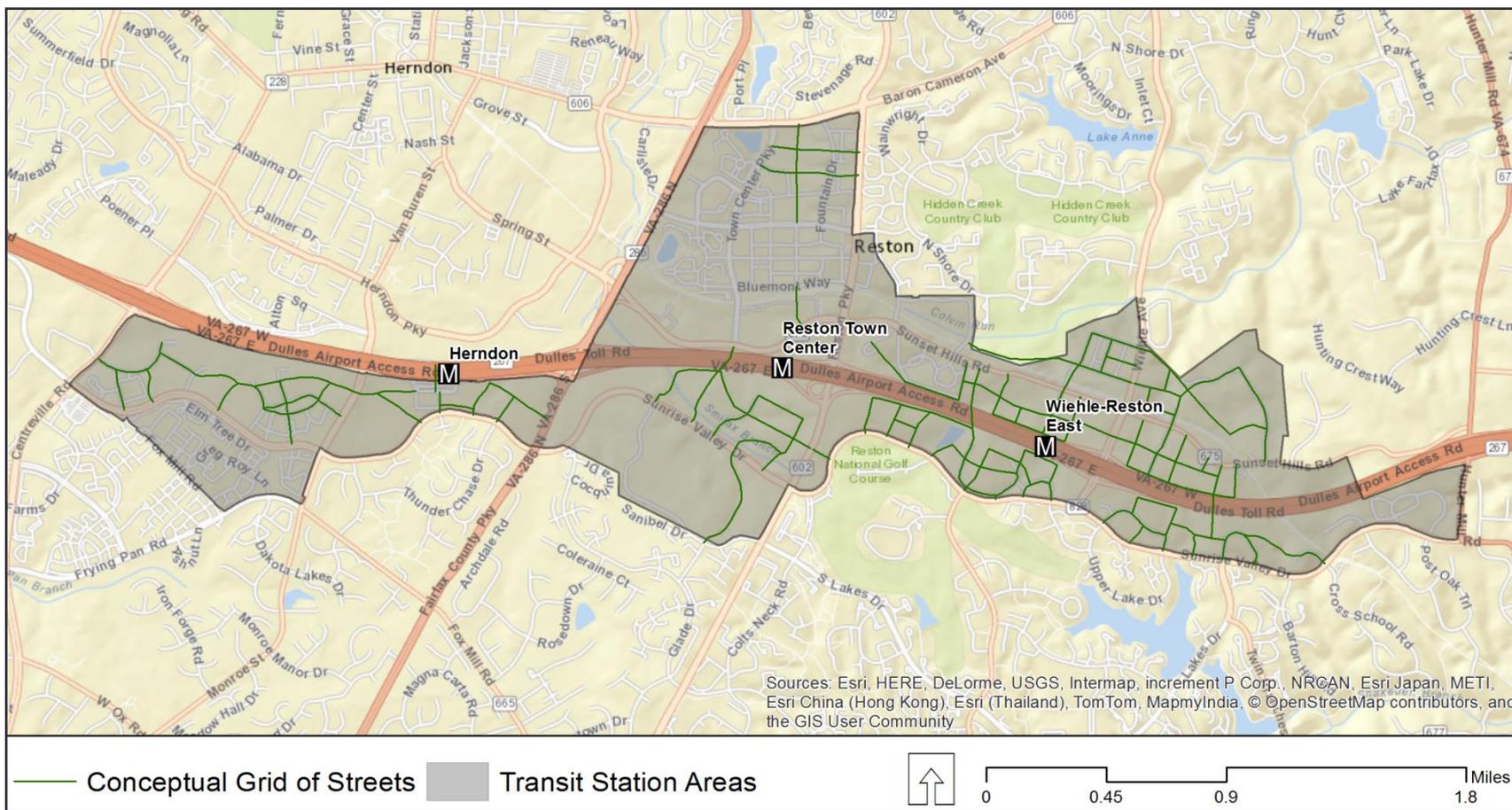


Reston Enhanced Network Analysis

Area	Reston Metro Corridor / Phase 1 planning area
Description	Finalize the grid of streets, determine rights-of-way needs, set number of lanes and intersection configurations
Status	Underway
Time Frame	Tentative Completion: Spring 2016
Outreach	Advisory Group (established by Supervisor Hudgins), property owners, and community meetings
Next Step	Select a consultant, establish existing conditions, begin testing the Grid
Contact	Kristin Calkins, DOT - Kristin.Calkins@fairfaxcounty.gov



Reston Enhanced Network Analysis: *Grid of Streets*





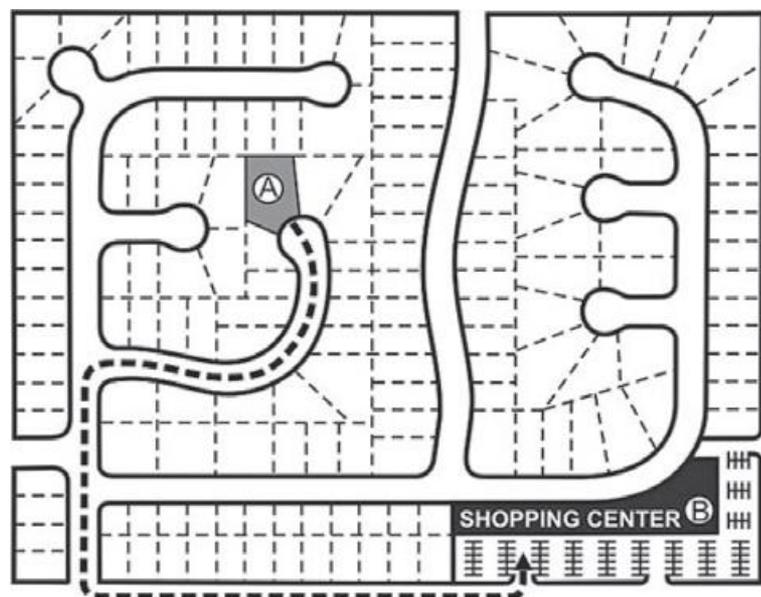
Reston Enhanced Network Analysis:

What is a Grid?

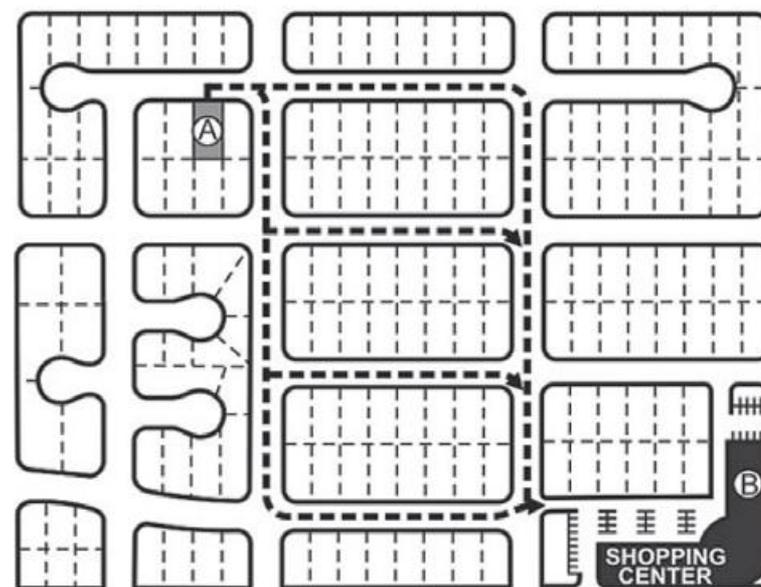
- Maximizes continuity
- Creates additional routes for vehicles
- Allows local traffic to avoid main roadways
- Relieves pressure on main roadways
- Accommodates growth without the need for significant widening of major roads
- Facilitates the growth of facilities that support the pedestrian environment
- Provides good pedestrian access to Metro stations

Reston Enhanced Network Analysis: *Why a Grid?*

A connected grid allows for more options when going from Point A to Point B, reducing the demand on individual streets



(A) Conventional suburban hierarchical network.



(B) Traditional urban connected network.



Reston Enhanced Network Analysis:

Purpose of Study

- Analyze the grid of streets and determine:
 - Number of lanes between and at intersections
 - How to best accommodate transit, bikes and pedestrians
 - Right-of-way needs
- Assign Department of Rail and Public Transportation corridor type and multimodal emphasis
 - Vehicle / Pedestrian / Bicycle / Transit
- Examine four specific problem locations
 - Reston Parkway (Baron Cameron Avenue to Lawyers Road)
 - Sunrise Valley Drive @ Fairfax County Parkway
 - Spring Street @ Fairfax County Parkway
 - Rock Hill Bridge @ Sunrise Valley Drive



Reston Enhanced Network Analysis: *Tasks*

1. Data Collection
2. Existing Conditions
3. Future Conditions
 - Determine Grid of Streets
4. Phasing Analysis
5. DRPT Classifications
6. Specific Location Improvements
7. Public involvement
 - Advisory Group, Property Owners and Public
8. Documentation



Reston Transportation Improvements Funding

Area	Reston Metro Corridor / Phase 1 planning area
Description	Develop plan to fund identified transportation improvements in the Reston TSAs, recommended in the Phase I Reston Plan
Status	Cost estimates are being obtained; more detailed estimates will also depend on results of Network Grid Analysis.
Time Frame	Tentative Completion: Spring 2016
Outreach	Advisory Group (established by Supervisor Hudgins)
Next Step	Complete cost estimates for major projects, determine potential funding sources based on funding needs
Contact	Janet Nguyen, DOT – janet.nguyen@fairfaxcounty.gov



Reston Transportation Improvements Funding: *Projects*

Dulles Toll Road Crossings

- Soapstone Overpass
- Town Center Parkway Underpass
- South Lakes Drive Overpass
- Rock Hill Overpass



Reston Transportation Improvements Funding: *Projects*

Road Widenings, Extensions, Interchange

- Fox Mill Road
- West Ox Road
- Monroe Street
- Pinecrest Road (extension)
- Fairfax County Parkway - Rugby Road to the Dulles Toll Road
- Fairfax County Parkway at Sunrise Valley Drive (Grade Separation)



Reston Transportation Improvements Funding

The funding plan will determine allocation of responsibilities by project type.

Responsible funding parties: Private and Public Sectors

Examples from similar studies in other areas of the County:

- Grid may primarily be funded by developers
- Roadway projects within Reston may be funded by both private and public sectors
- Roadway projects outside of Reston proper may primarily be funded by the public sector

Individual sources of revenue to be determined, public sources may include local, regional, state and federal funding.



Reston Multimodal Design Standards

Area	Reston Metro Corridor / Phase 1 planning area
Description	Develop cross-sections for streets based on the DRPT Multimodal System Guidelines
Status	Phase I of Wiehle-Reston East TSA submitted; Phase I of Reston Town Center TSA & Herndon-Monroe TSA underway
Time Frame	All Reston Phase I plans submitted to VDOT by the end of June 2015
Outreach	Stakeholder and general public outreach for Phase II (includes development of cross-sections)
Next Step	Complete all Reston Phase I documents and begin working on Phase II
Contact	Beth Iannetta, DOT - Elizabeth.Iannetta@fairfaxcounty.gov



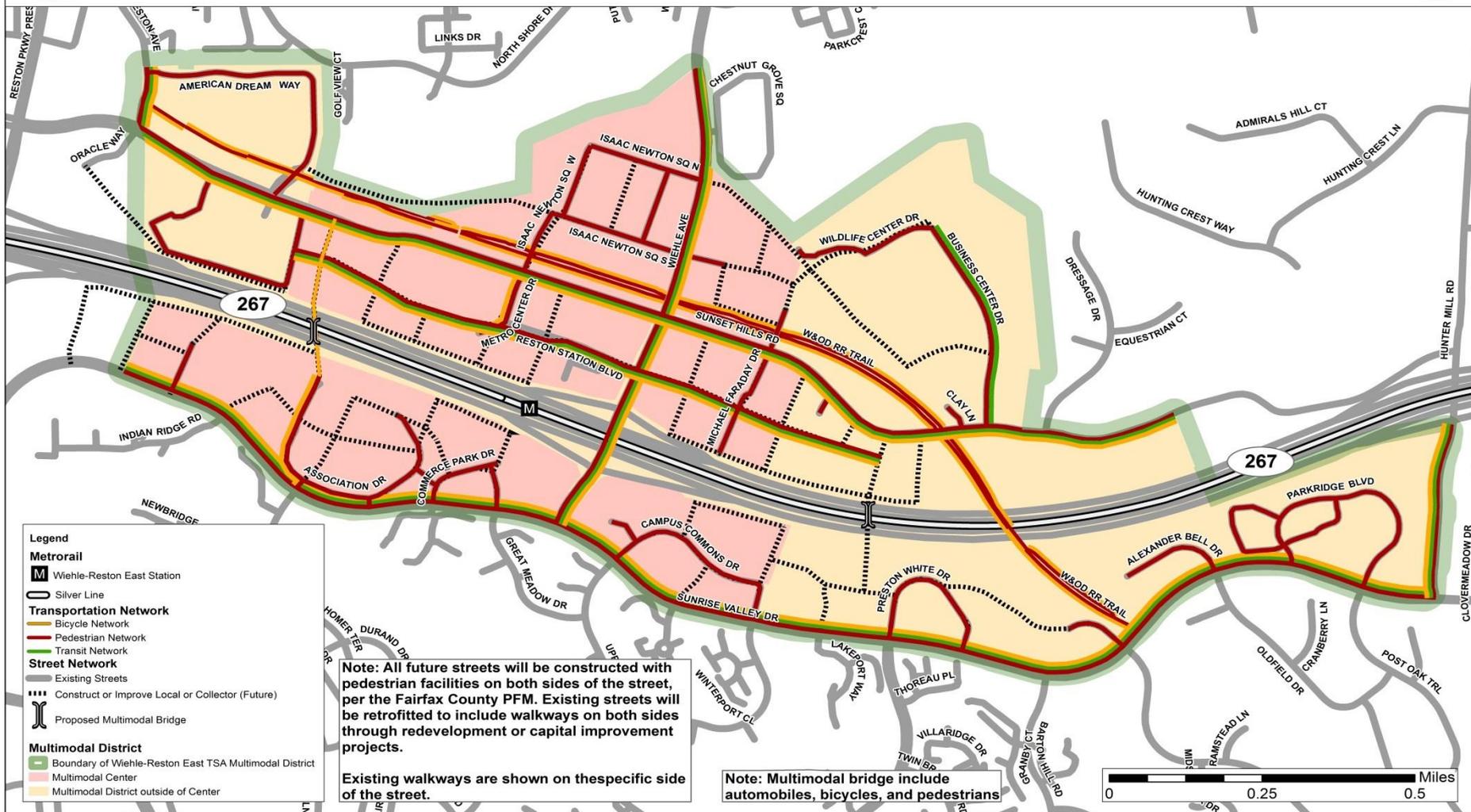
Reston Multimodal Design Standards: *Phase I*

- Gather existing transportation plans
 - Trails Plan
 - Bicycle Master Plan
 - Transit Development Plan
 - RMAG & HMSAMS
 - Comprehensive Plan
- GIS analysis
 - Use GIS data to overlay plan networks and existing infrastructure
- Create maps of transportation modes and combine to create transportation network maps
- Use planned land use from Comprehensive Plan to assess potential growth for jobs + population / acre



Reston Multimodal Design Standards: *Phase I Transportation Network Map*

Wiehle-Reston East TSA Transportation Network





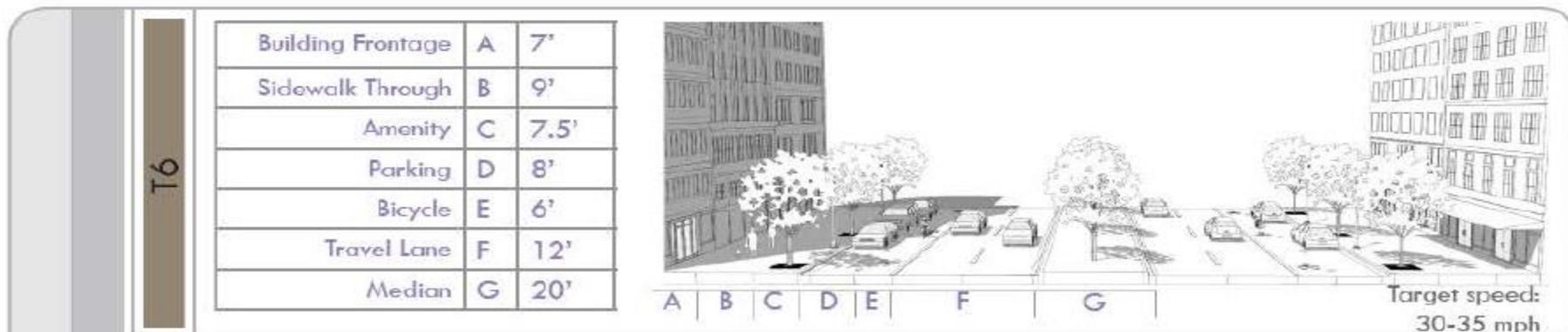
Reston Multimodal Design Standards:

Phase II

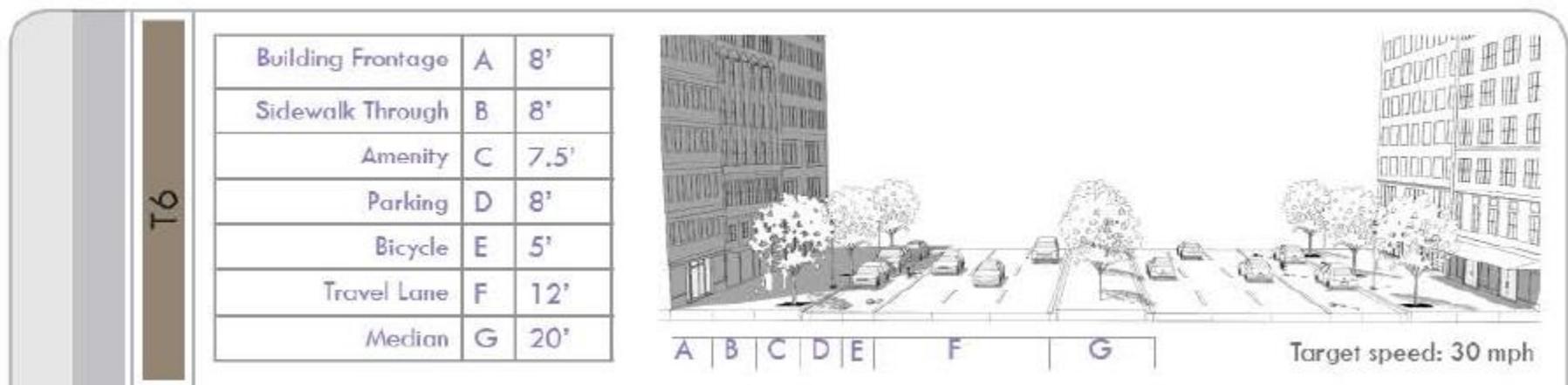
- Identify and prioritize transportation elements
 - Bicycle, Pedestrian, Transit, Green (Environmental), Parking
 - Automobile is a given element on all streets
- Each transportation element has a range of widths
- With constrained right-of-way, decisions are needed on prioritization
 - *Example:* 20 ft of ROW outside travel lanes could equal 8 ft parking + 7 ft bike lane + 5 ft sidewalk *OR* 8 ft parking + 12 ft sidewalk
- Outreach to public will help guide decisions and prioritization

Reston Multimodal Design Standards: *Phase II*

Major Avenue



Avenue





Reston Transportation Summary

- Activities and coordination on-going
 - FCDOT, DPZ, OCR, Reston Association, Supervisor's office
- Significant efforts are currently underway
- Multiple, on-going opportunities for public input
- RMAG projects support the larger effort to improve transportation in Reston



Design Guidelines

Area	Reston Metro Corridor / Phase 1 planning area
Description	Develop design guidelines for development in the Metro Corridor
Status	Draft document under development
Time Frame	Summer-Fall 2015
Outreach	Professional Advisory Group; Presentations to Community
Next Step	Advisory Group review to begin Summer, 2015
Contact	Sonja Ewing, OCR – Sonja.Ewing@fairfaxcounty.gov



Design Guidelines

Key Tasks

- Further the Comp Plan Urban Design Recommendations for the Reston Metro Corridor / Phase 1 Planning Area
- Translate the existing “Reston Character” to the more urban development pattern in the Metro Corridor

Topics

- **Site Design**- focus on building placement and orientation, natural resource protection, highlight key features of site
- **Multimodal Access and Circulation**- prioritize pedestrians and bikes
- **Streetscape**- emphasize sustainable features, plantings, sidewalks on new and existing streets
- **Building Design**- make sustainable design features visible, integrate the buildings with nature while retaining urban focus



Comprehensive Plan Phase II

Area	Residential Areas and Village Centers; excluding Metro Corridor
Description	Update Comprehensive Plan text for areas outside Phase 1 (Metro Corridor); Update Reston land use map <ul style="list-style-type: none">• Protect stable residential neighborhoods• General vision and guidance for redeveloping Village Centers
Status	Completed (adopted by BOS 6/2/2015)
Time Frame	NA
Outreach	<ul style="list-style-type: none">• Online Submission for land use proposals (May – July 2014)• Community Open House (June 2014)• Working drafts online from September through January• Community Mtgs in September, October, and January 2015• Facebook, email listserv, and website
Next Step	NA
Contacts	Faheem Darab, DPZ – Ahmad.Darab@fairfaxcounty.gov



Comprehensive Plan Phase II: *Additional Information*

- Reston Master Plan Special Study Website:
www.fairfaxcounty.gov/dpz/reston
 - Summary of Adopted text
 - Adopted text
 - Adopted Reston Land Use Plan map