

TYSONS CORNER BICYCLE MASTER PLAN

FAIRFAX COUNTY, VA

TRANSPORTATION ADVISORY
COMMISSION

November 16, 2010

PROJECT OVERVIEW



Key Project Elements and Outcomes

- Public input
- Stakeholder engagement
- Bicycle network plan
- Phased implementation plan
- Policy and program recommendations



PUBLIC OUTREACH



- Bicycle Advisory Committee (3 of 6 completed)
- Public meetings (1 of 2 completed)
- *Community Walk* website (closed last week)
- Stakeholder interviews (ongoing)
- Coordination with standing committees
 - TMSAMS (2 of 2 completed)
 - Fairfax TAC (Tonight!)
 - Fairfax Trails & Sidewalks Com (10/13)
 - Bike tour (10/22)
- Planning Commission Transportation Committee (11/4)



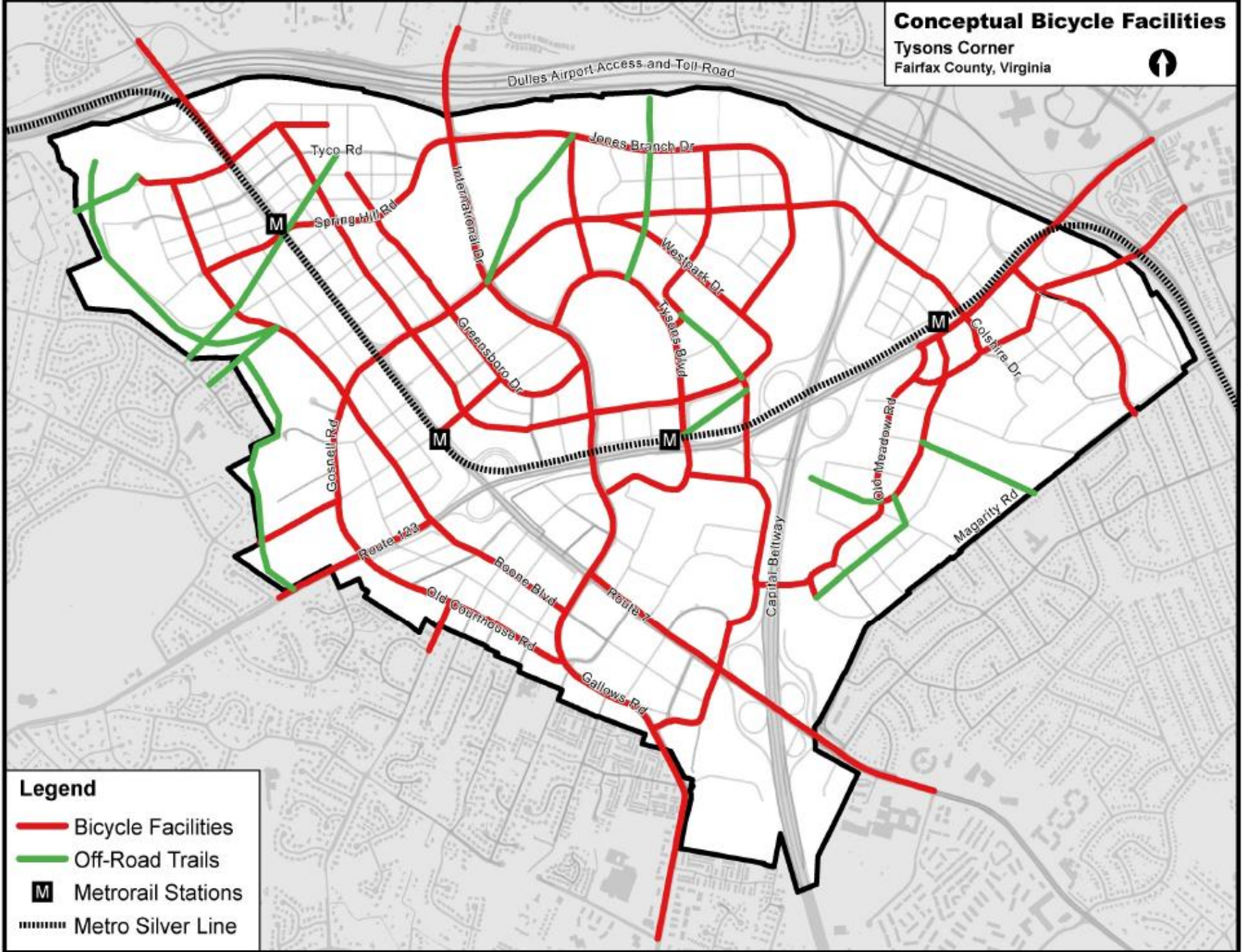
PLAN GOALS



| GOALS | SPECIFIC ELEMENTS |
|--|--|
| Fully integrate bike improvements into the planning and development process in Tysons Corner | Silver Line, road improvements, private sector development, phasing strategies, etc. |
| Improve bicycle safety, access and connectivity to, from, through and within Tysons Corner | On and off-road improvements, wayfinding and signage, intersections, access ramps, multi-modal and intermodal services, connections to schools/parks/regional destinations, etc. |
| Foster the development of a bike culture in Tysons Corner | Education and encouragement programs, public-private partnerships, recreational cycling, TDM, etc. |
| Make bicycling a viable transportation choice for cyclists – young and old, novice and experienced, occasional and regular. | On and off-road facilities, support facilities such as bike parking and commuter showers, etc. |

Conceptual Bicycle Facilities

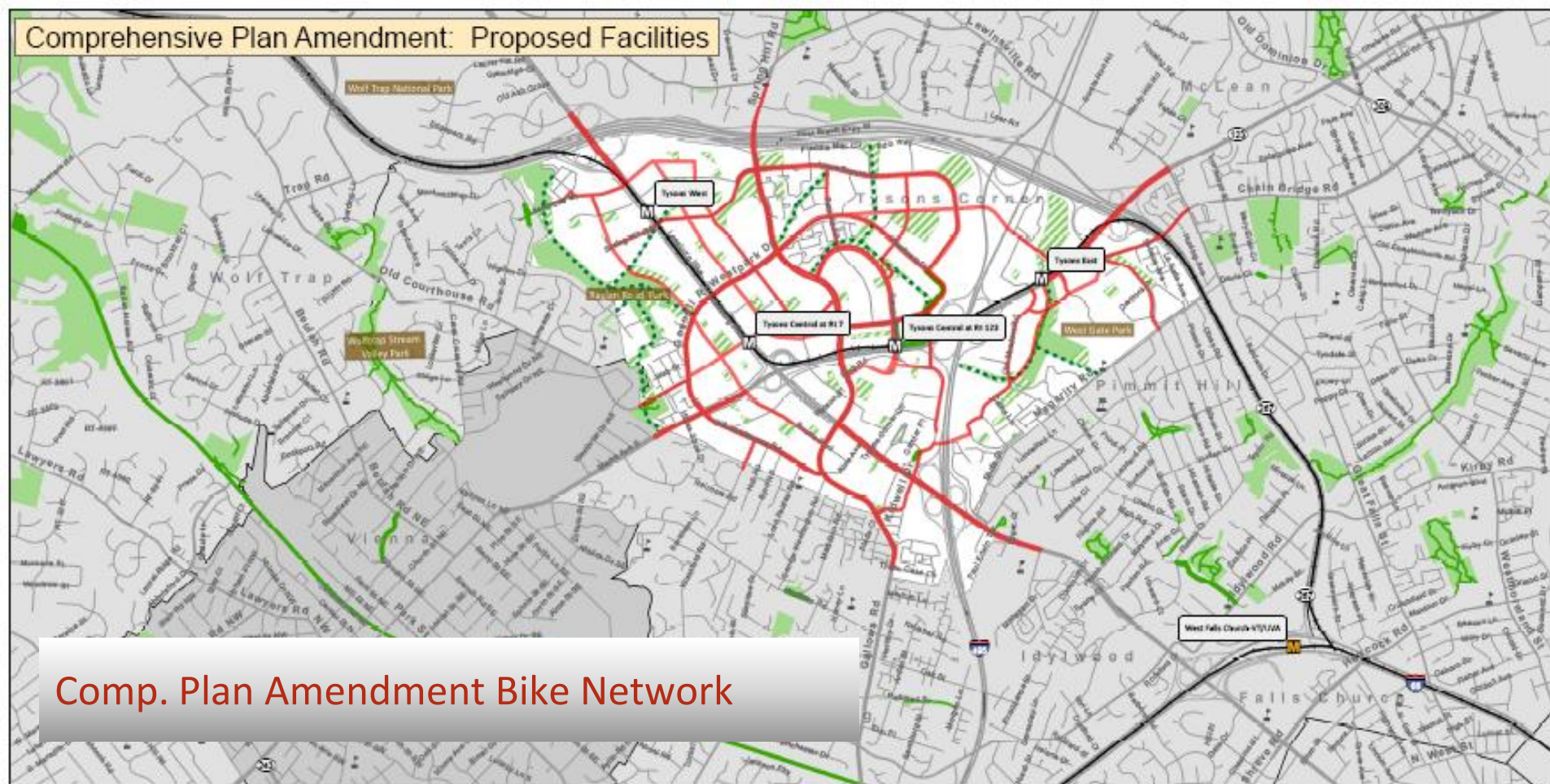
Tysons Corner
Fairfax County, Virginia



Legend

- Bicycle Facilities
- Off-Road Trails
- M Metrorail Stations
- - - - - Metro Silver Line

Comprehensive Plan Amendment: Proposed Facilities



Comp. Plan Amendment Bike Network

Legend

- Metro Station
- Proposed Bike Facilities
- Metro
- Existing Paved Trail
- Planned Park Trail
- Existing Park
- Planned Park
- School

0 0.3 0.6 1.2 Miles



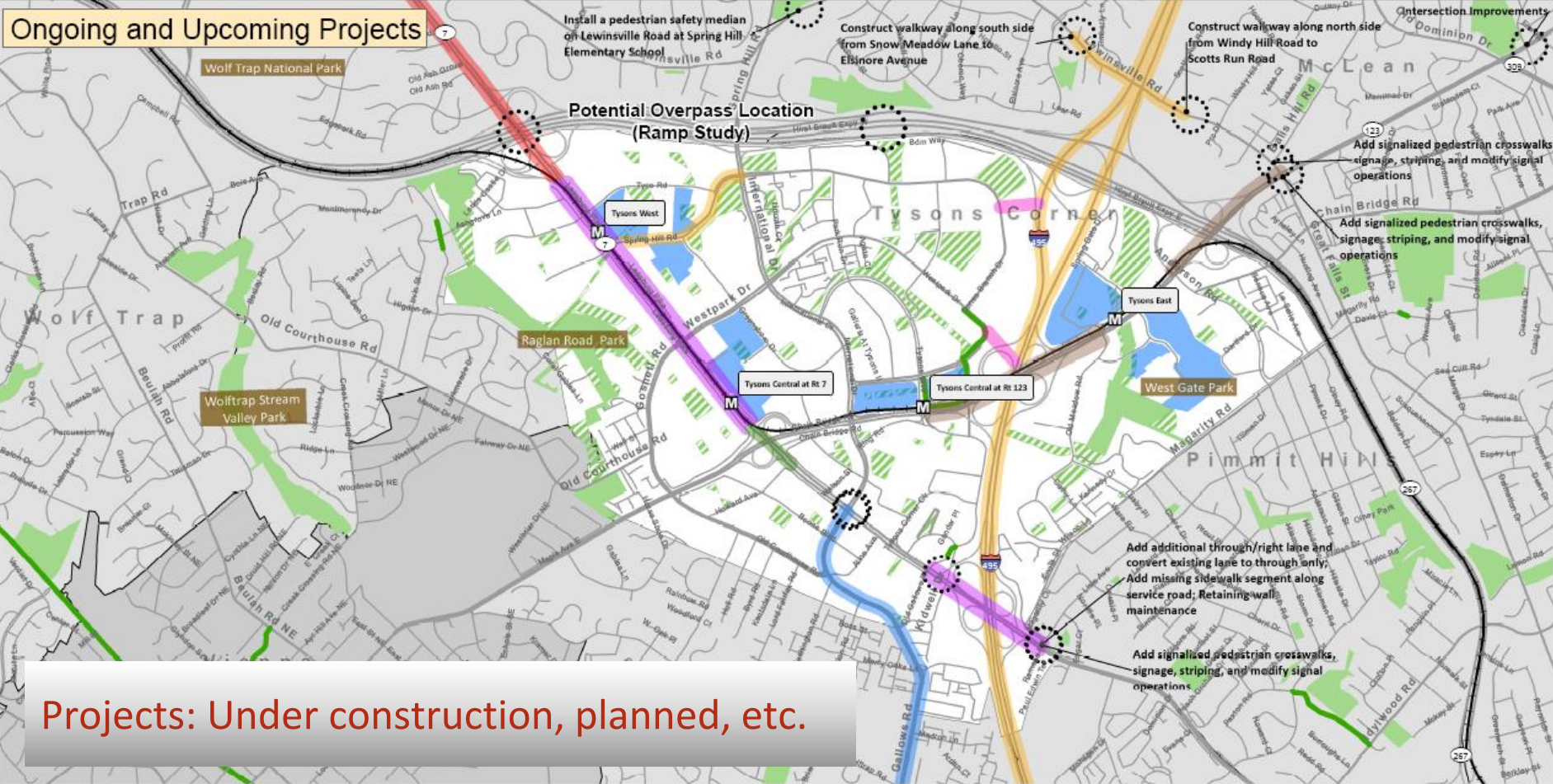
Tysons Corner Bicycle Master Plan

September 2010

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CAMBRIDGE
SYSTEMATICS

Ongoing and Upcoming Projects



Projects: Under construction, planned, etc.

Legend

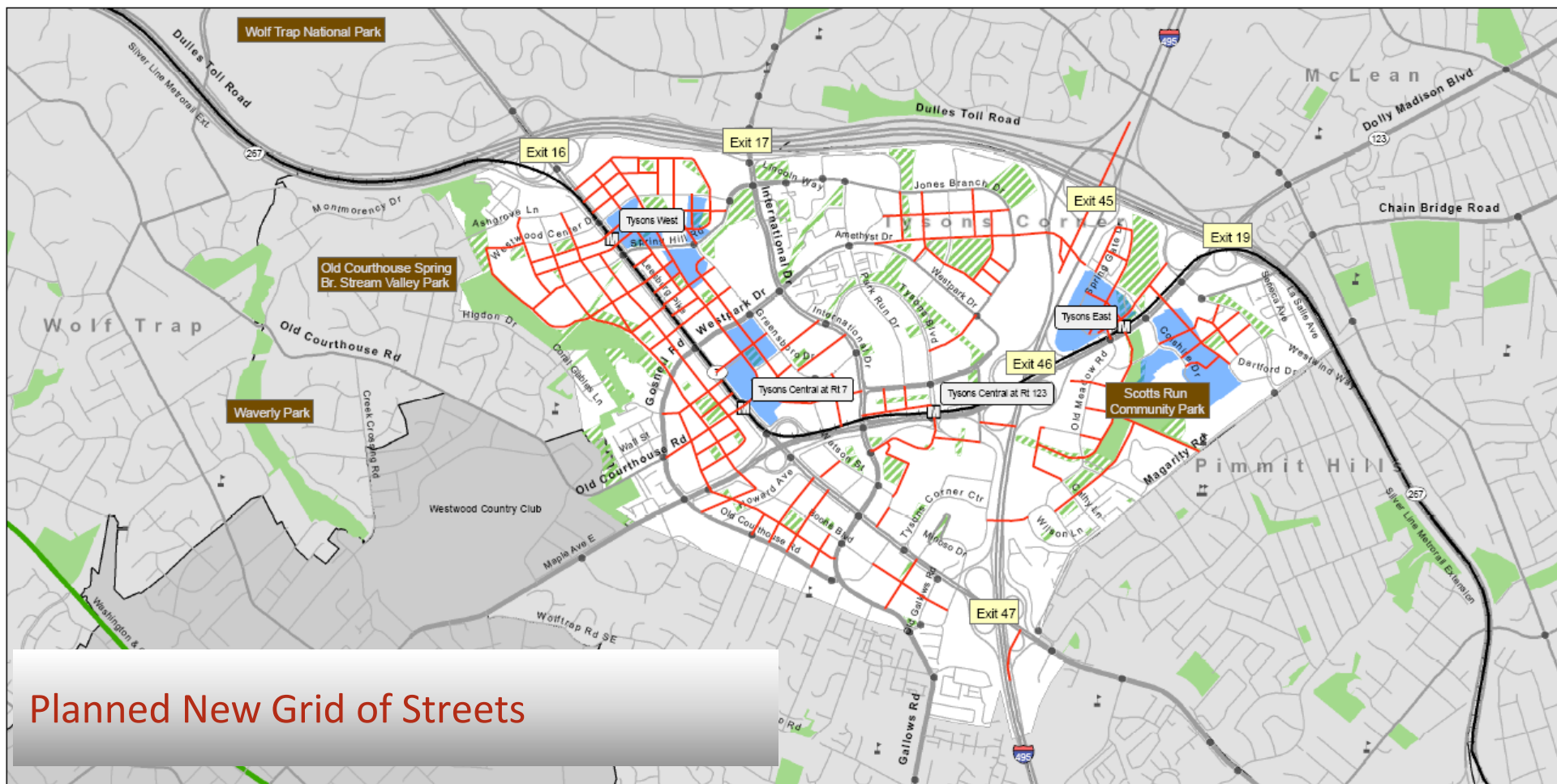
- | | |
|-------------------|-------------------------------|
| Metrolink Station | Spot Project |
| Metrolink | Metrolink |
| Existing Park | Near Term Planned Development |
| Planned Park | |
-
- | | |
|-----------------------------------|-----------------------------------|
| HOT Lanes - Under Construction | Bike Lane - To Be Determined |
| Under Construction | Bike Lane - Planned |
| Bike Lane - Planned | Widened Road - Under Construction |
| Widened Road - Under Construction | Widened Road - Planned |

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SYSTEMATICS



Planned New Grid of Streets

Proposed Grid of Streets and Near Term Planned Development

Figure 4

0 0.25 0.5 1 Miles

- Legend**
- Silver Line Metrorail Stations
 - Metrorail
 - Traffic Signal
 - School
 - Existing Park
 - Planned Park
 - Proposed Grid of Streets
 - Near Term Planned Development



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Transit Network



Transit Network

Legend

-  Metro Station
-  Metrobus Stop
-  Metrobus Route

0 0.3 0.6 1.2 Miles



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Tysons Corner Bicycle Master Plan

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KEY ISSUES



Key Issues

How to get cyclists through interchanges or across the Beltway and Dulles Toll Road.

Establishing and signing bike routes in and out of Tysons, through Tysons and within Tysons.

Creating access routes to Metro that are direct, time efficient and attractive to less-experienced cyclists.

Access to Metro for residents within and outside of Tysons; Using the Bike for egress to office jobs.

Discontinuity of bike facilities that results from a process that changes roadways 1,2 or 3 developments at a time.

Serving student and staff trips to and from Middle and High Schools.



PLANNING TOOLBOX



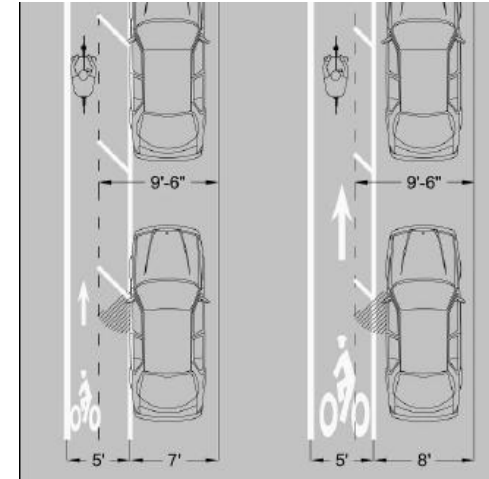
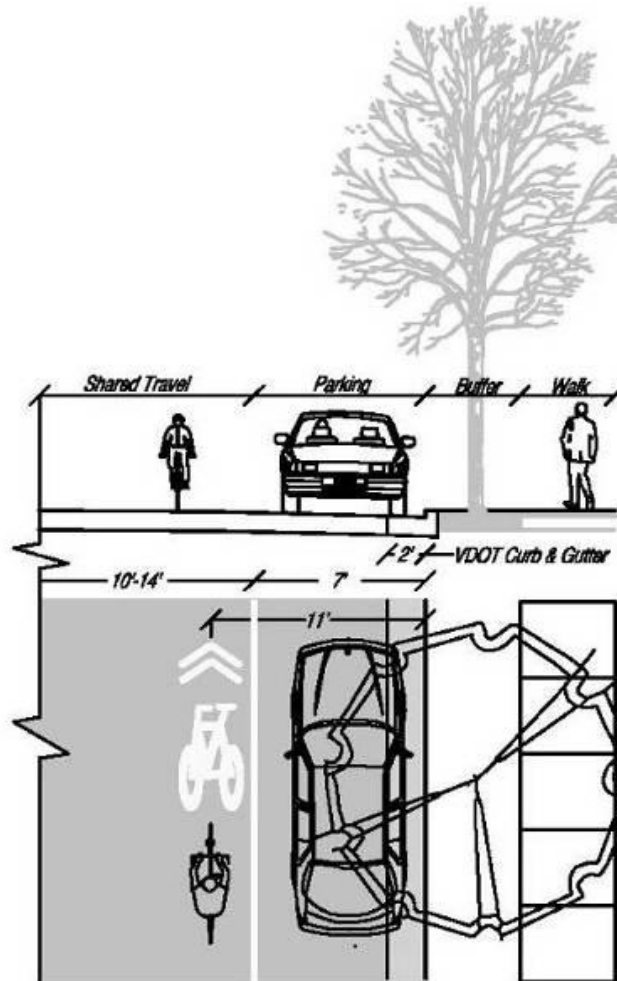
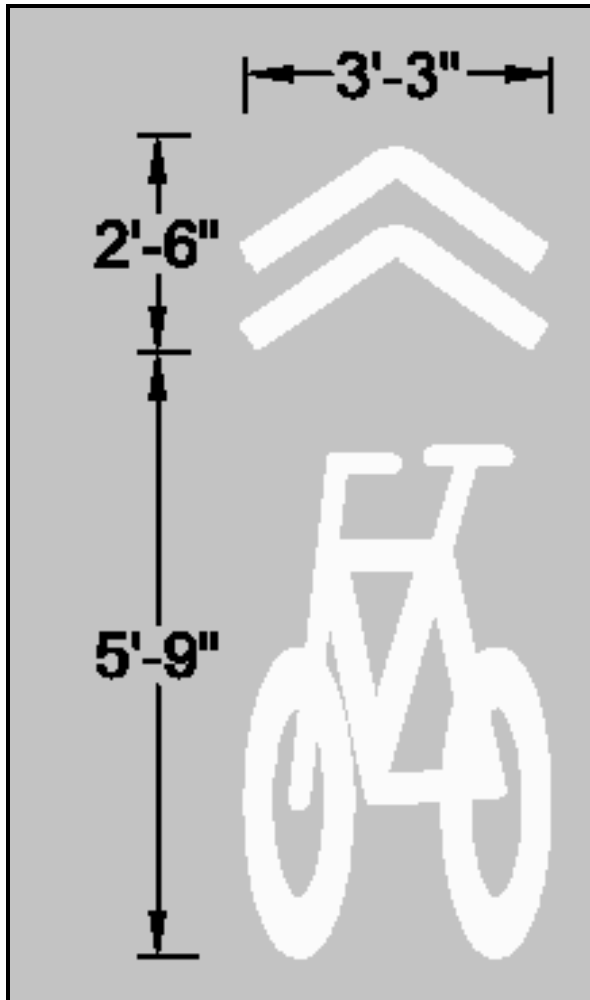
Shared Roadways



Striped/Paved Shoulders



SHARED LANE MARKINGS



PLANNING TOOLBOX



Bicycle Lanes



Climbing Lanes



BUFFERED BIKE LANE



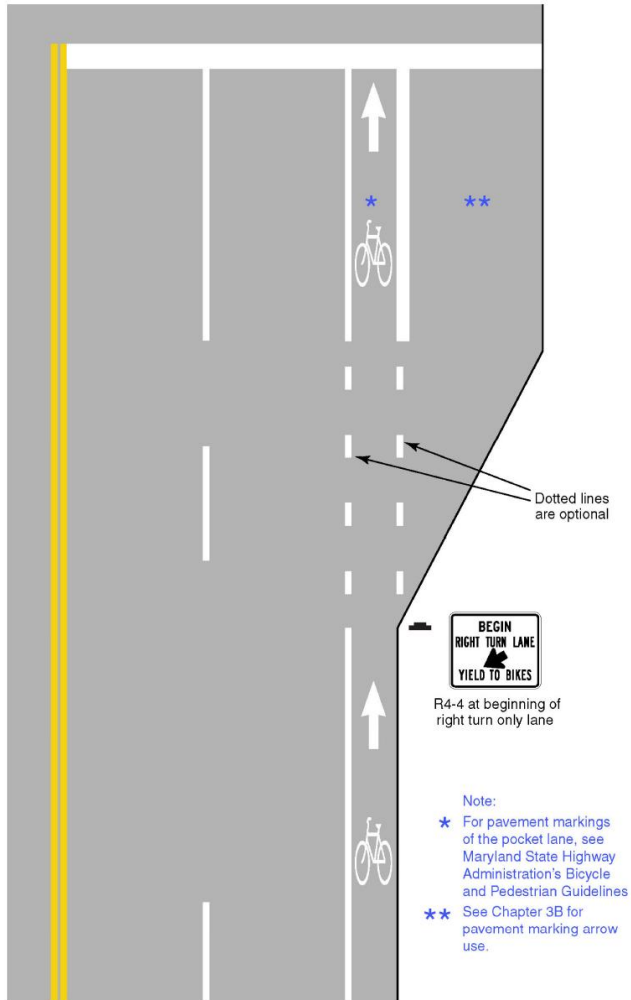
SIDE PATH



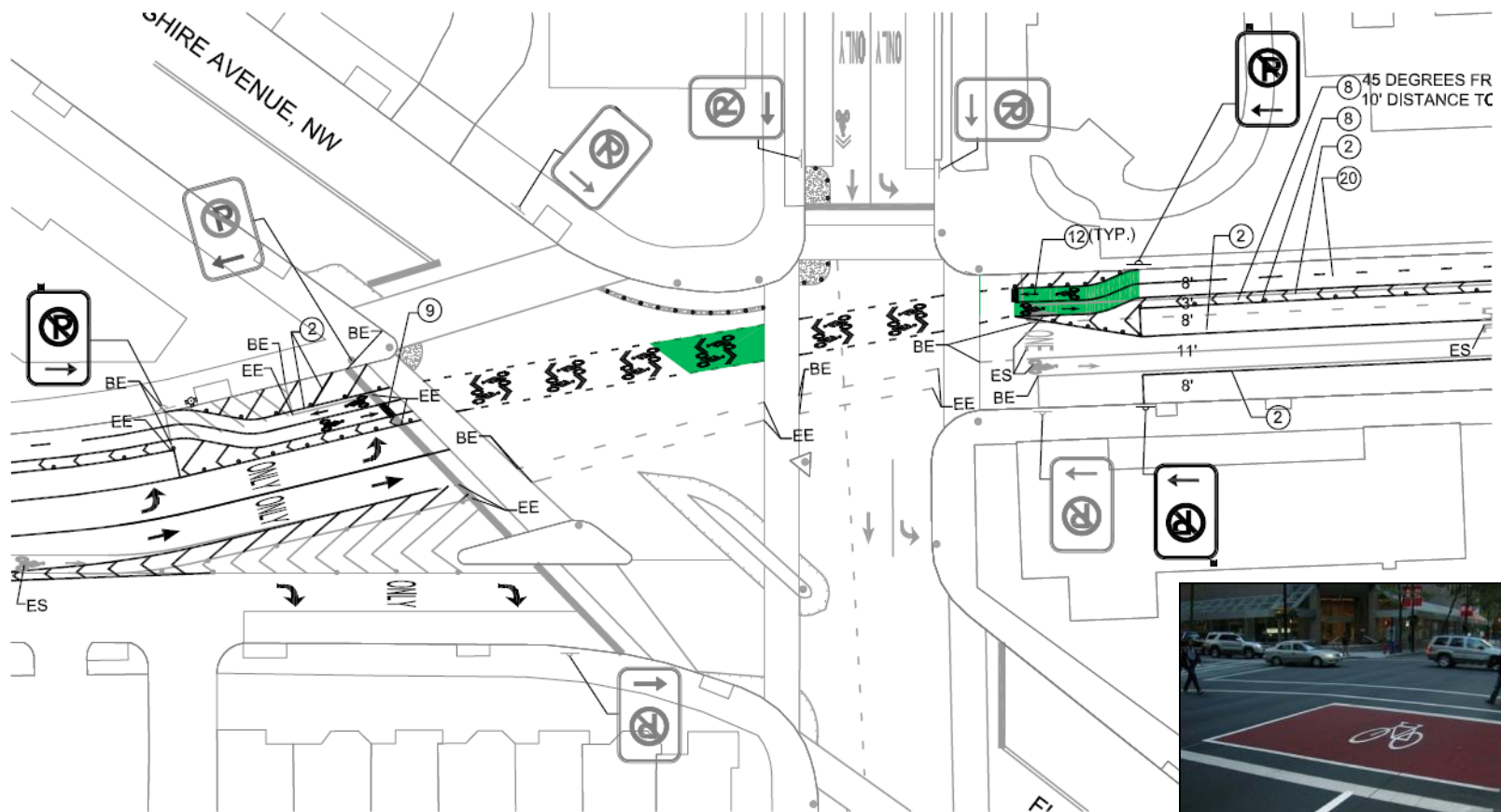
CYCLE TRACK



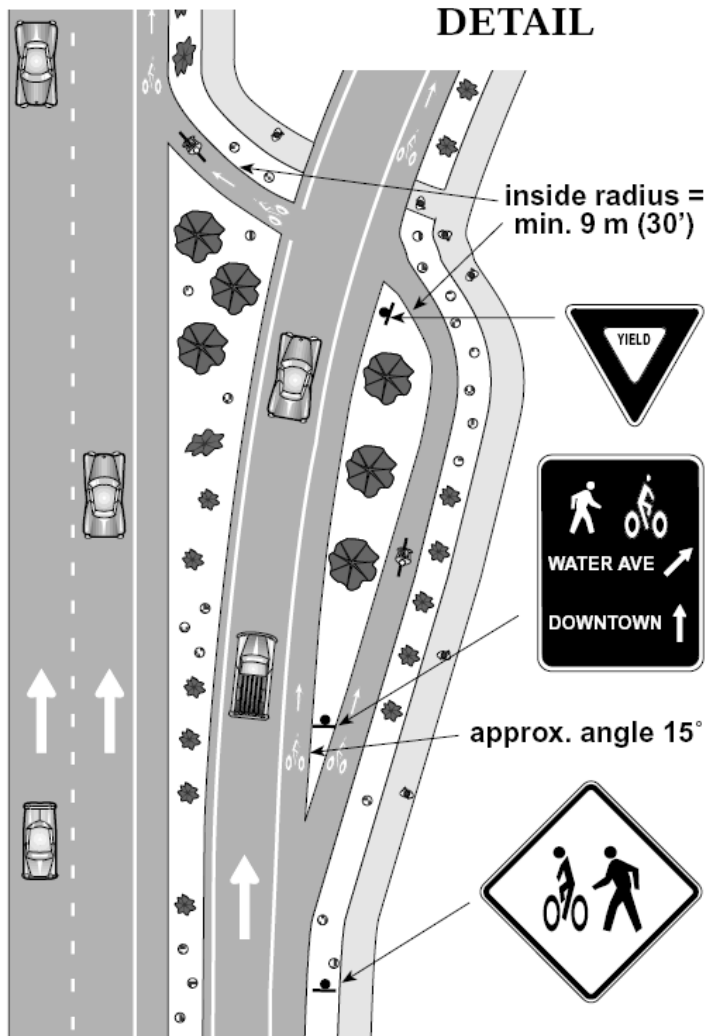
INTERSECTION DESIGN



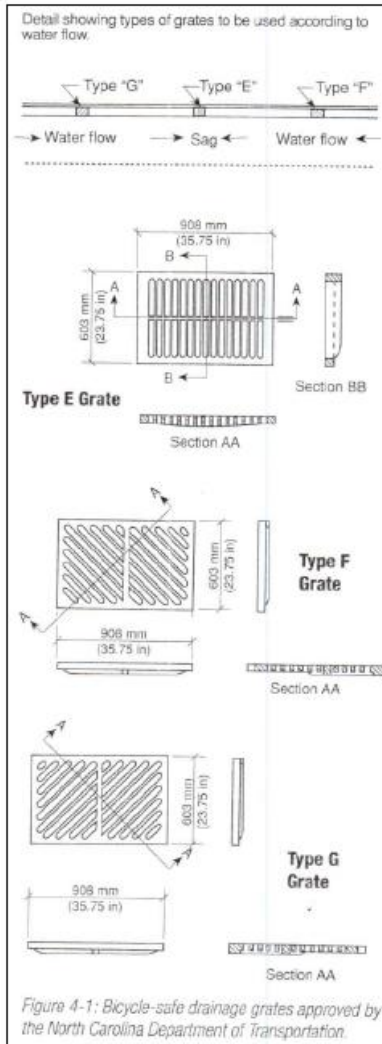
INTERSECTION DESIGN



INTERCHANGE CROSSING DESIGN



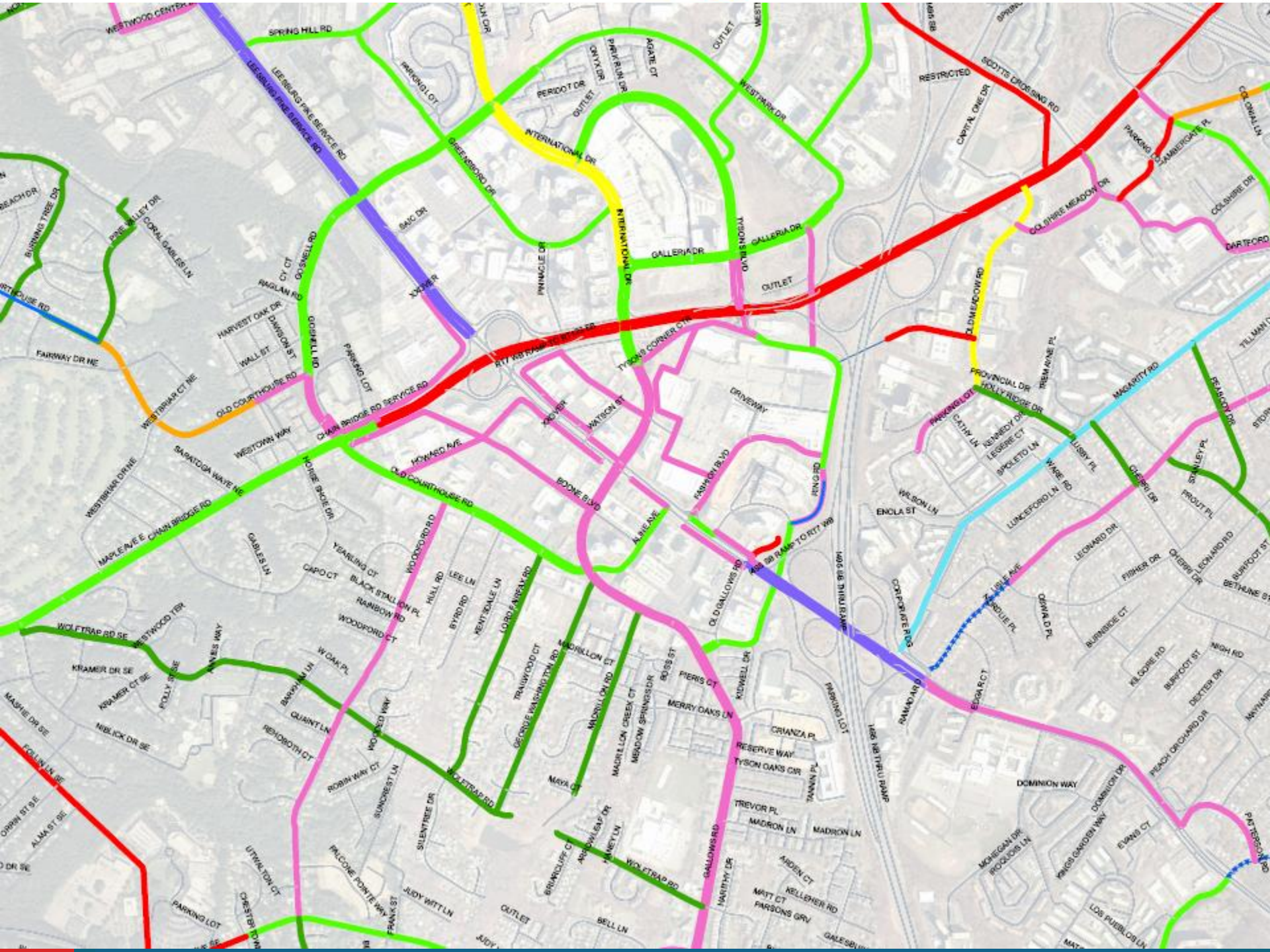
OTHER CONSIDERATIONS



BIKE PARKING







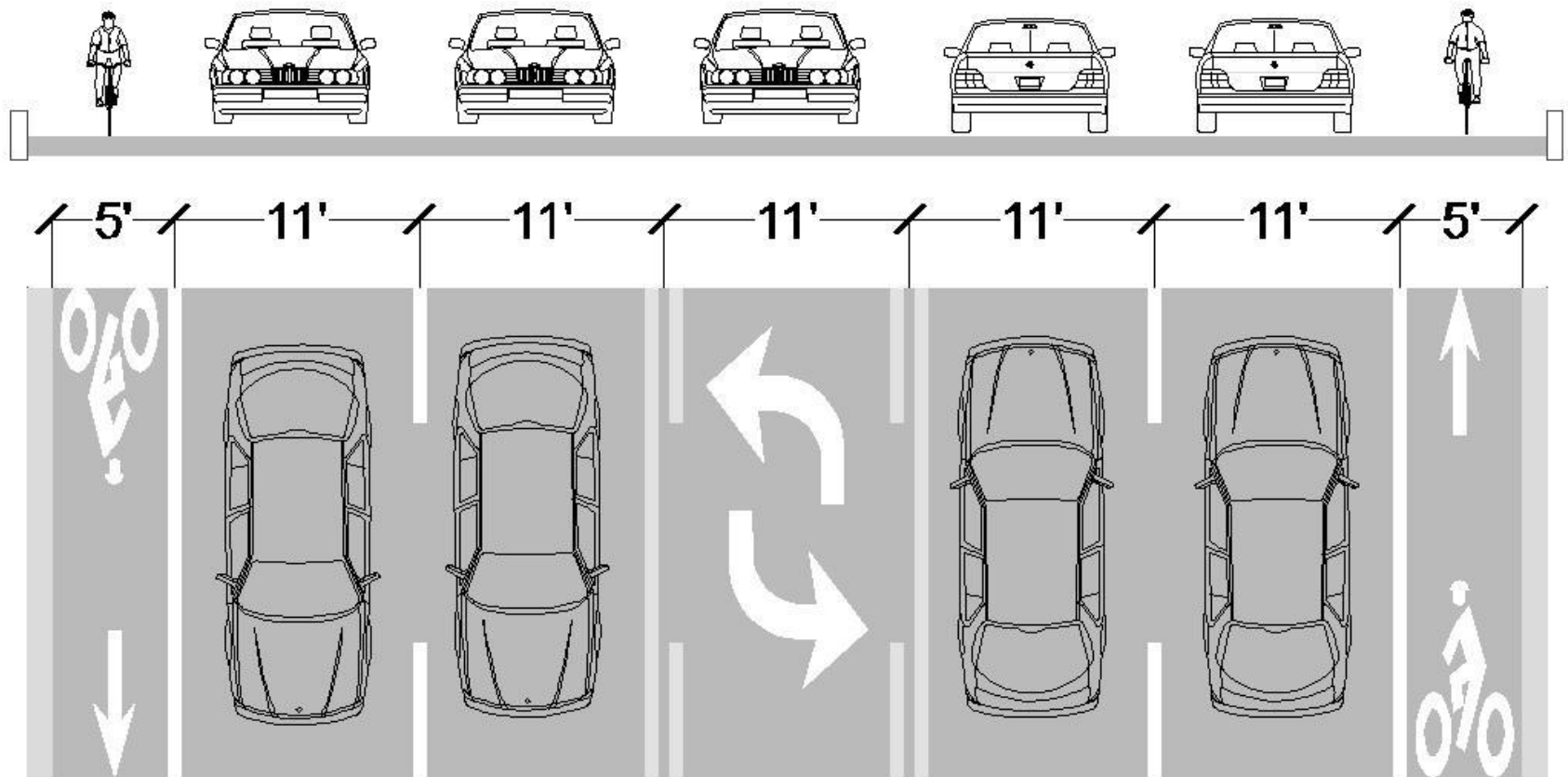
ORGANIZING ELEMENTS



- Existing Roads
 - Lane diets
 - Road diets
- Big Corridors
 - Cycle tracks
- Silver Line Stations
 - Access to/parking at station
 - Bike sheds and routes
- Policies and Programs
- Implementation



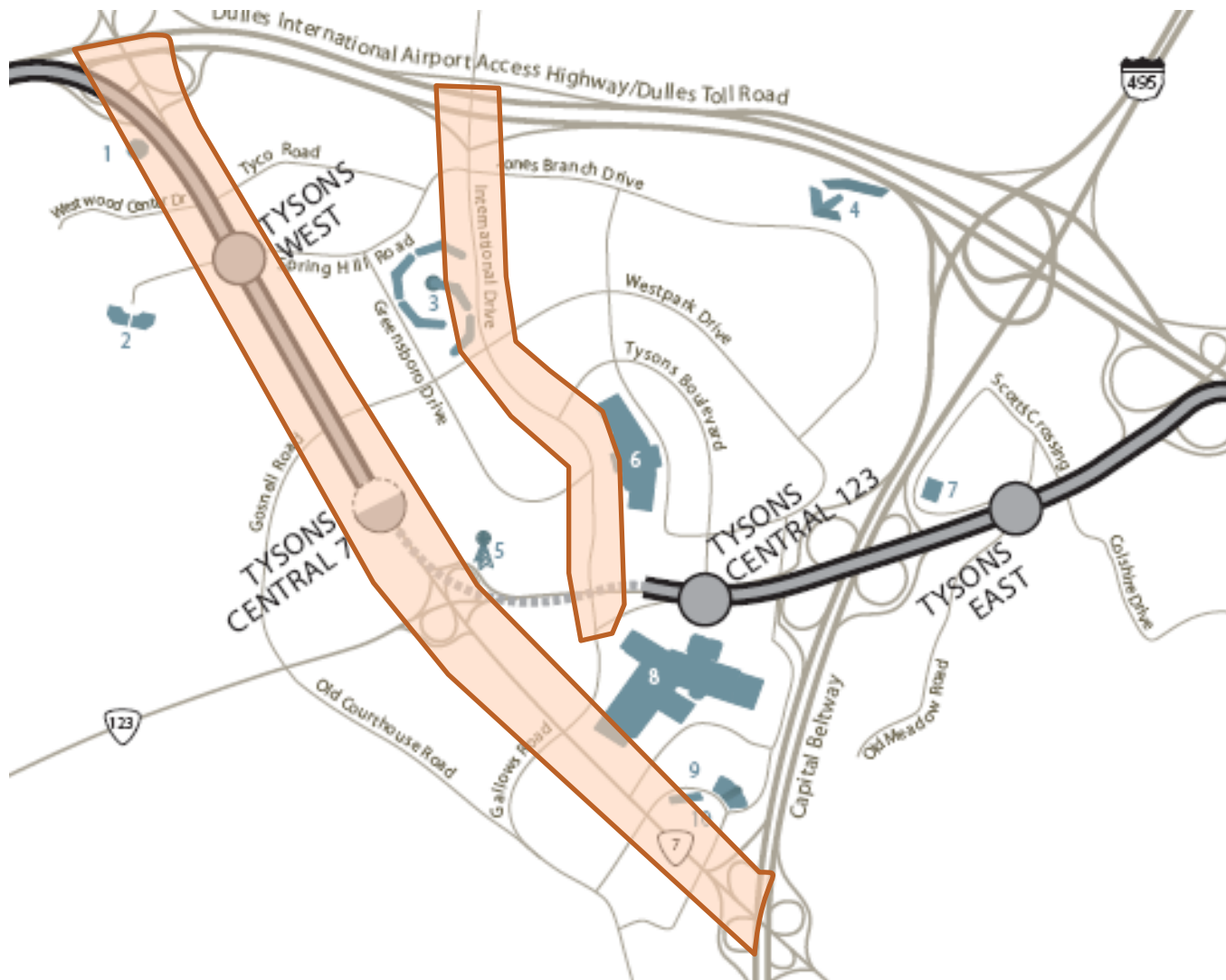
LANE DIET



ROAD DIET



BIG CORRIDORS





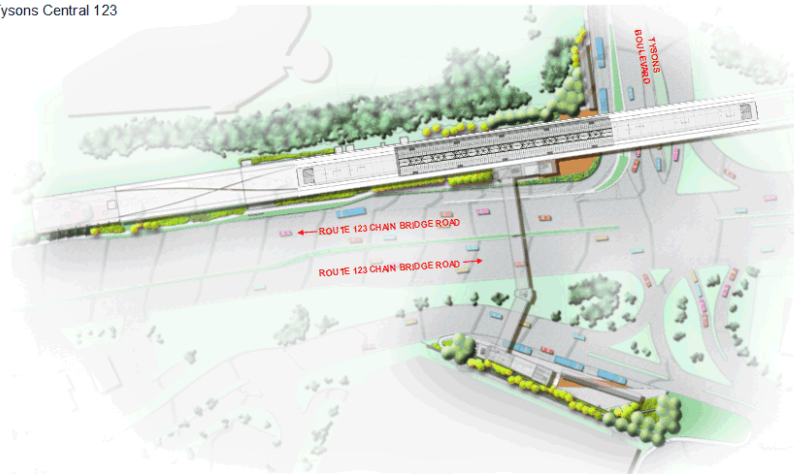
SILVER LINE STATIONS



Tysons West



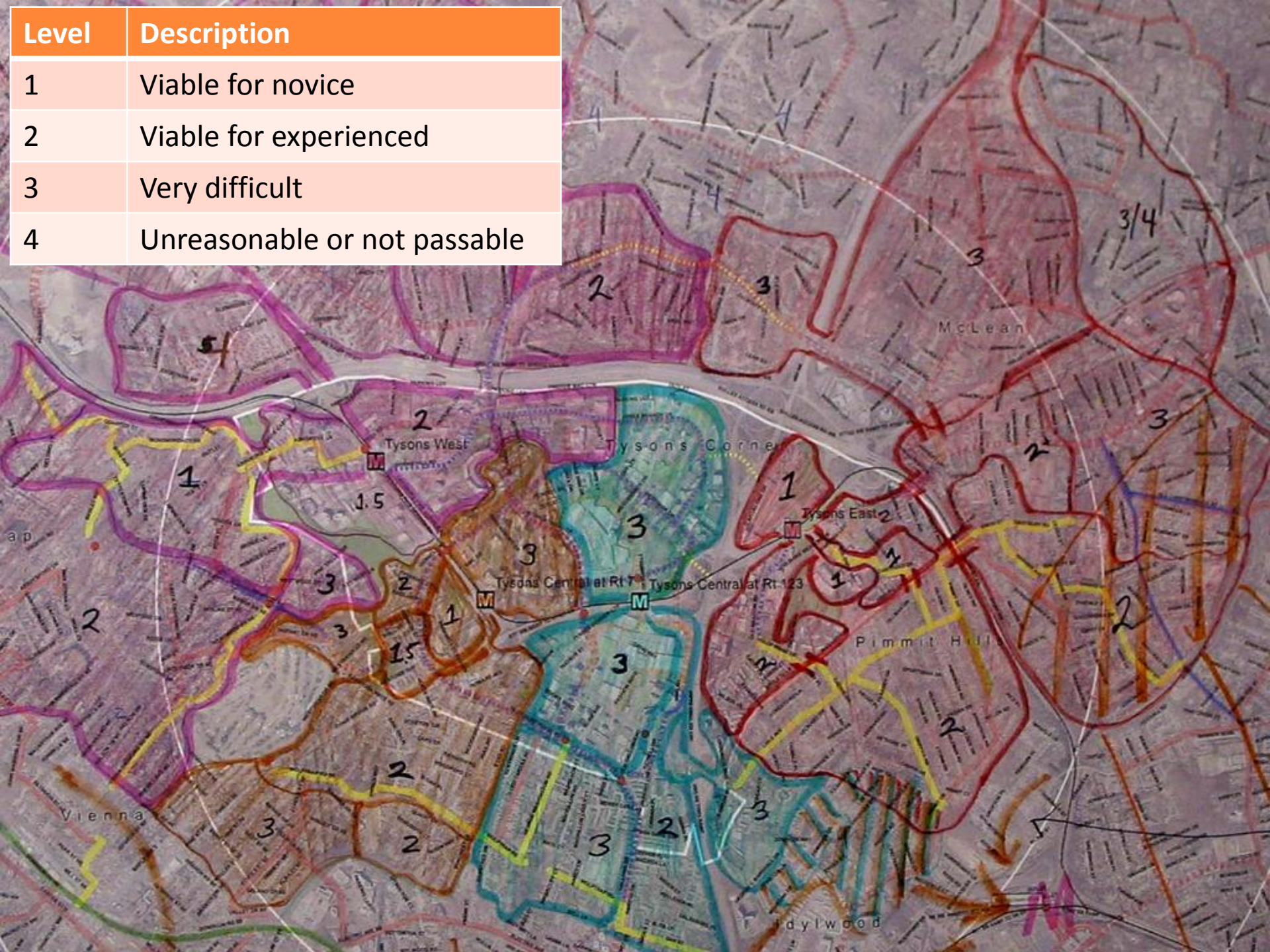
Tysons Central 123



Tysons East



| Level | Description |
|-------|------------------------------|
| 1 | Viable for novice |
| 2 | Viable for experienced |
| 3 | Very difficult |
| 4 | Unreasonable or not passable |



POLICIES AND PROGRAMS



- Bike to lunch program
- Bike ambassadors program
- Tysons Corner bike commuter jersey/helmet/vest
- Education/awareness campaign for planned bike facilities
- Safe Routes to School programs



POLICIES AND PROGRAMS



- Bike plan recommendations included on the proffer list
- Marketing campaign built around the “time” concept
- Integration into the Capital BikeShare program



PHASING AND IMPLEMENTATION



| PHASING | TIMEFRAME |
|---------------------|-----------|
| Underway | 2011-2013 |
| Near Term | 2012-2016 |
| Medium Term | 2015-2020 |
| Medium to Long-Term | 2020-2030 |

Note: Vienna projects will be categorized separately

NEXT STEPS

- Analysis of *Community Walk* results (closed last week)
- BAC meeting (11/17)
- Plan development (ongoing)
- Public meeting #2 (Jan. 2011)



QUESTIONS



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