Agenda

1. Welcome and Introductions
2. Project Milestones/Update
3. Project Prioritization Factors
4. Draft Bicycle Network: West Alexandria
5. Public Comment
6. Committee Member Updates
7. Next Steps

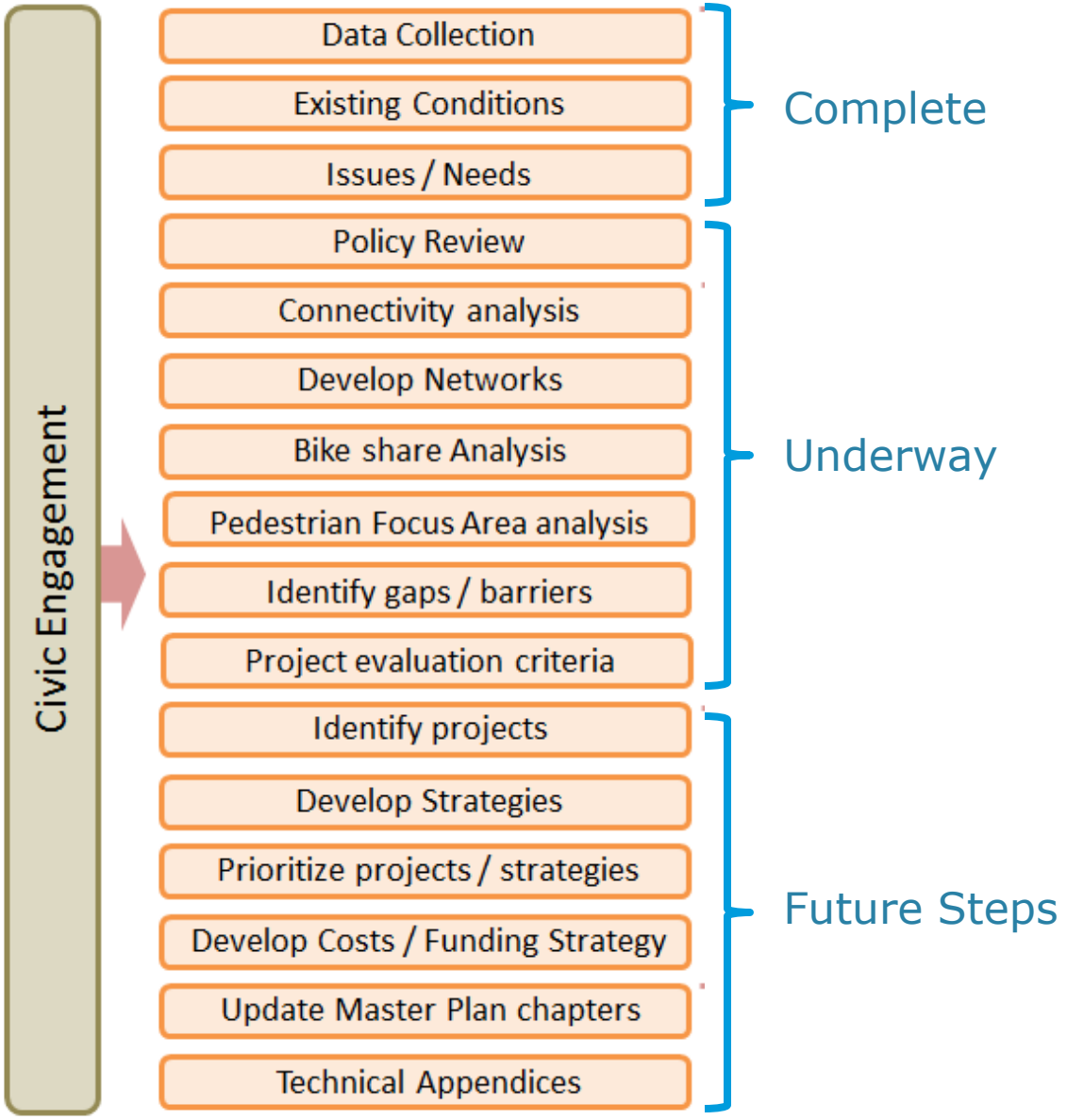
Project Milestones/Update

Pedestrian and Bicycle Master Plan Update

Ad Hoc Advisory Committee

April 16, 2015

Project Milestones/Tasks



Project Milestones/Tasks

Prioritization Factors

Why Prioritize?

- Represents community values
- Lots of needs, but limited resources
- Need to make wise choices about how resources are used
- Need to communicate choices to others
- Need to build public/political support for action
- May be required for funding purposes

Prioritization Process

1. Select prioritization factors (i.e. safety)

2. Apply "weight" to factors – reflecting which are more important to the community

3. Identify variables for each factor (i.e. injuries, fatalities)
   i. depends on data availability and reliability

4. Run analysis

5. Create ranked list of projects

Prioritization Process

1. Select prioritization factors (i.e. safety) **Ad Hoc Focus 4/16**
2. Apply "weight" to factors – reflecting which are more important to the community
3. Identify variables for each factor (i.e. injuries, fatalities)
   i. depends on data availability and reliability
4. Run analysis
5. Create ranked list of projects

Prioritization Factors

- Recommend no more than 3-5
- If more factors are used, dilutes impact of any one factor
- "Opportunity" used to prioritize project implementation on an ongoing basis

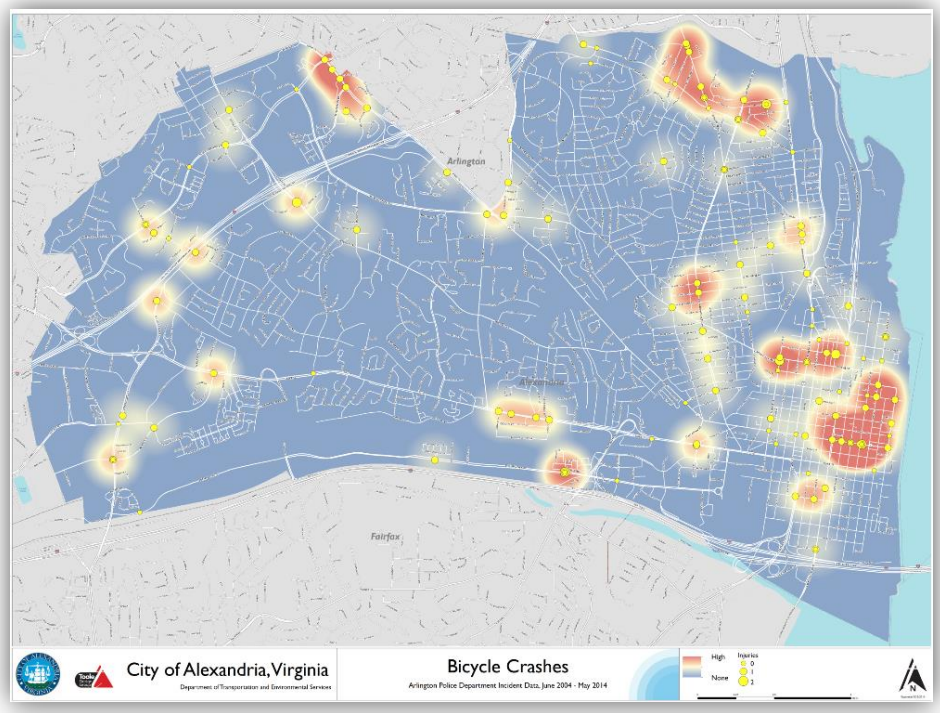
Recommended Factors for Alexandria Bicycle Projects:

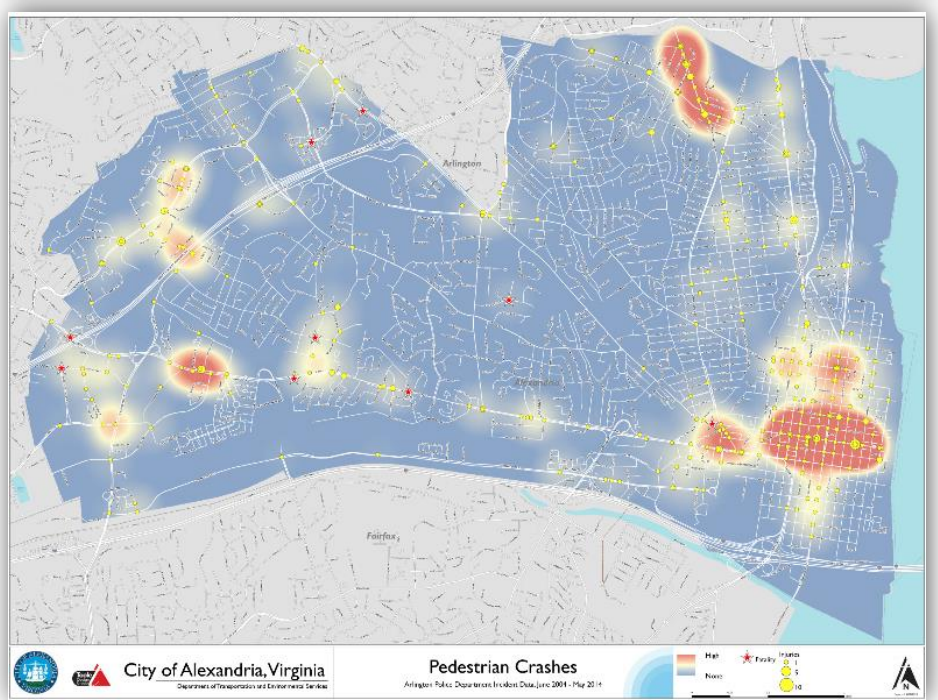
- Safety
- Existing or Potential Demand
- Connectivity
- Geography

Factor: Safety

Variables

- Total bicycle crashes
- Total bicycle fatalities
- Traffic speed
- Traffic volume & mix
  - percent trucks and transit vehicle





Factor: Existing or Potential Demand

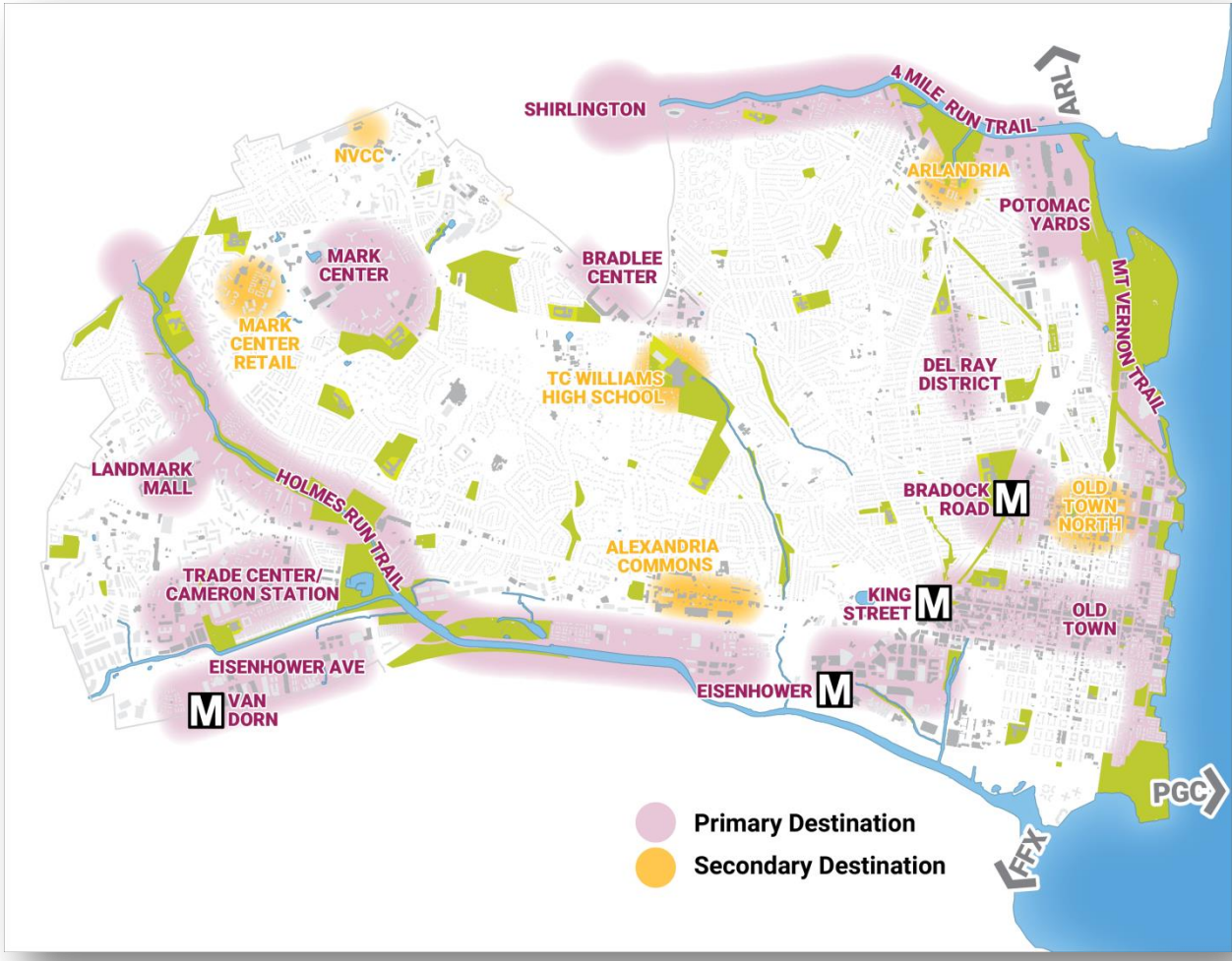
Variables

- Land Use Types/Categories
  - Use City's Walkability Index
- Population & Employment density
- Proximity to schools, Metro station, bike share stations
- Ridership counts
- Other attractors/ factors?

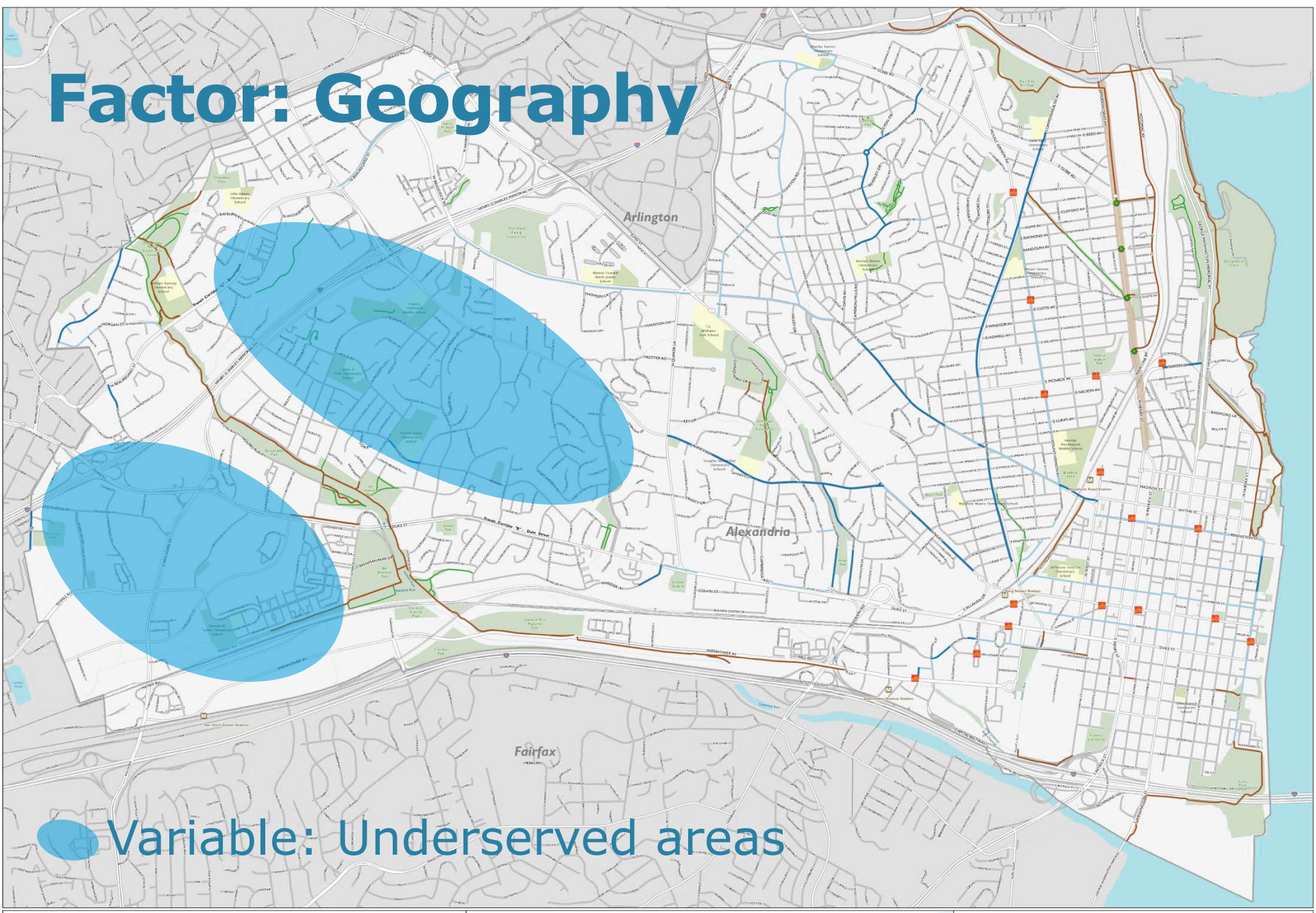
Factor: Connectivity

Variables

- Existing bicycle facility (on or off road)
- Primary or Secondary destination
- School or park
- Capital Bikeshare
- Other?



Factor: Geography



City of Alexandria, Virginia
Department of Transportation and Environmental Services

Pedestrian and Bicycle Master Plan
Existing Facilities

Facilities
Bike Lane
Sharrow
Trail
Unpaved Nature Trail

Transit
Metroway Stop
Metroway
Capital Bike Share Station
Metro Station

Other
Rail Line
City Boundary
Parks

Weighting the Factors

- 11 responses to the Ad Hoc Survey
- Findings:

Factor Ranking	Score
1. Safety (incl. bicycle crashes and fatalities, and traffic speed and volume)	36
2. Demand (incl. land use, density, and schools, metro, etc.)	30
3. Connectivity (incl. proximity to existing bikeway, connection to key destinations)	27
4. Geography (incl. areas that currently lack bike facilities)	17

Committee Discussion:

Now that we've reviewed the prioritization process, what is your feedback on the ranking of the prioritization factors?

Draft Bicycle Network

Draft Bicycle Network

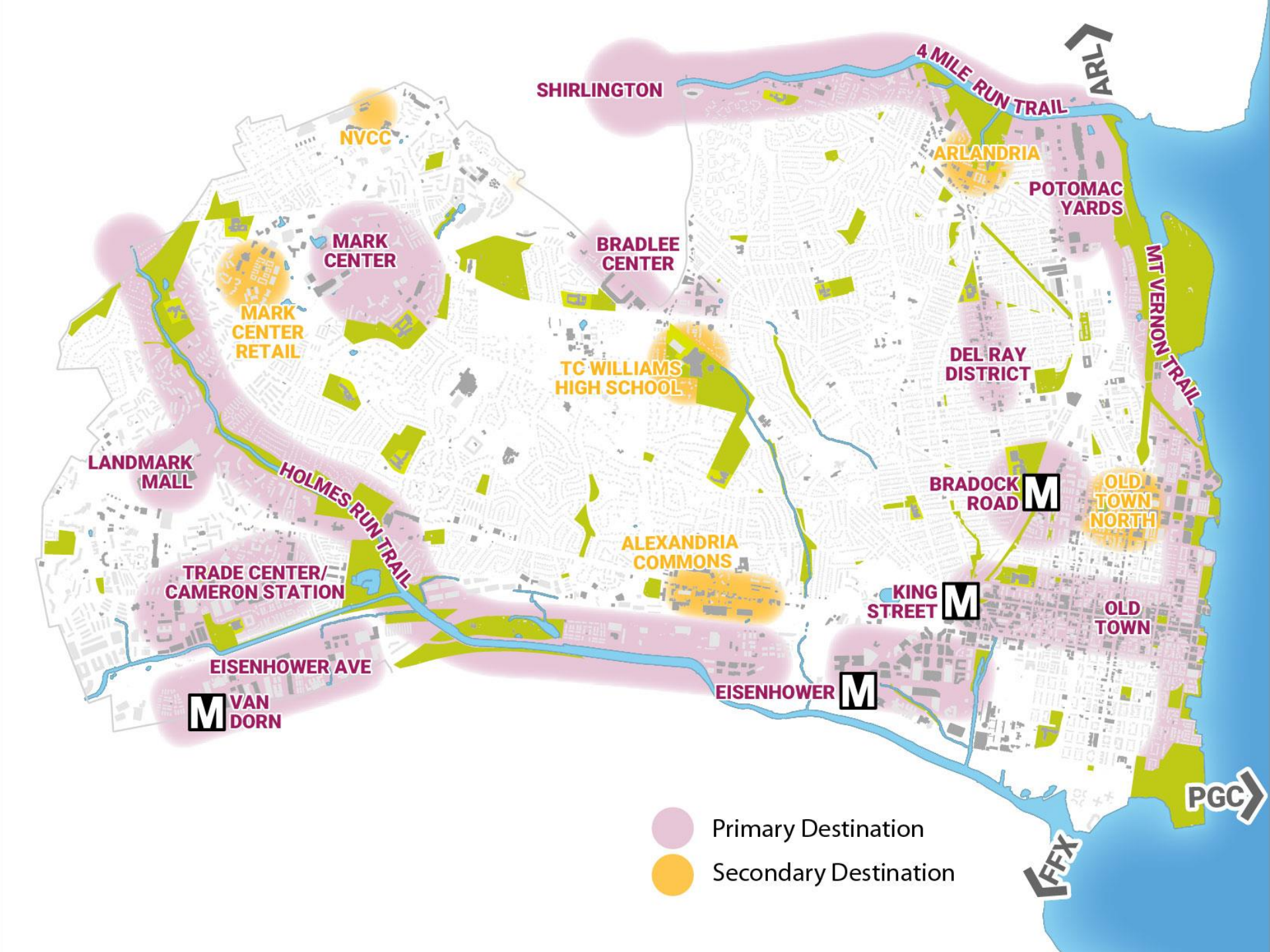
- **Vision, Goals and Objectives:**

Engineering Objective 2.1

…Create a citywide network that enables safe bicycle travel **in and between all City neighborhoods** and from Alexandria to **key destinations** and bicycle facilities in neighboring jurisdictions.

Draft Bicycle Network – Public Outreach and Planning Process

- Online survey and crowdsourcing map (over 800 responses)
- Six community meetings
- Network shows connectivity, not specifically design projects, planning level tool
- High priority elements within network examined more closely, to be included in the draft plan
- Strategies to be reviewed by Ad Hoc Group Summer 2015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NVCC
ARLANDRIA
POTOMAC YARDS
MARK CENTER
BRADLEE CENTER
MT VERNON TRAIL
MARK CENTER RETAIL
TC WILLIAMS HIGH SCHOOL
DEL RAY DISTRICT
LANDMARK MALL
HOLMES RUN TRAIL
BRADOCK ROAD M
OLD TOWN NORTH
ALEXANDRIA COMMONS
TRADE CENTER/ CAMERON STATION
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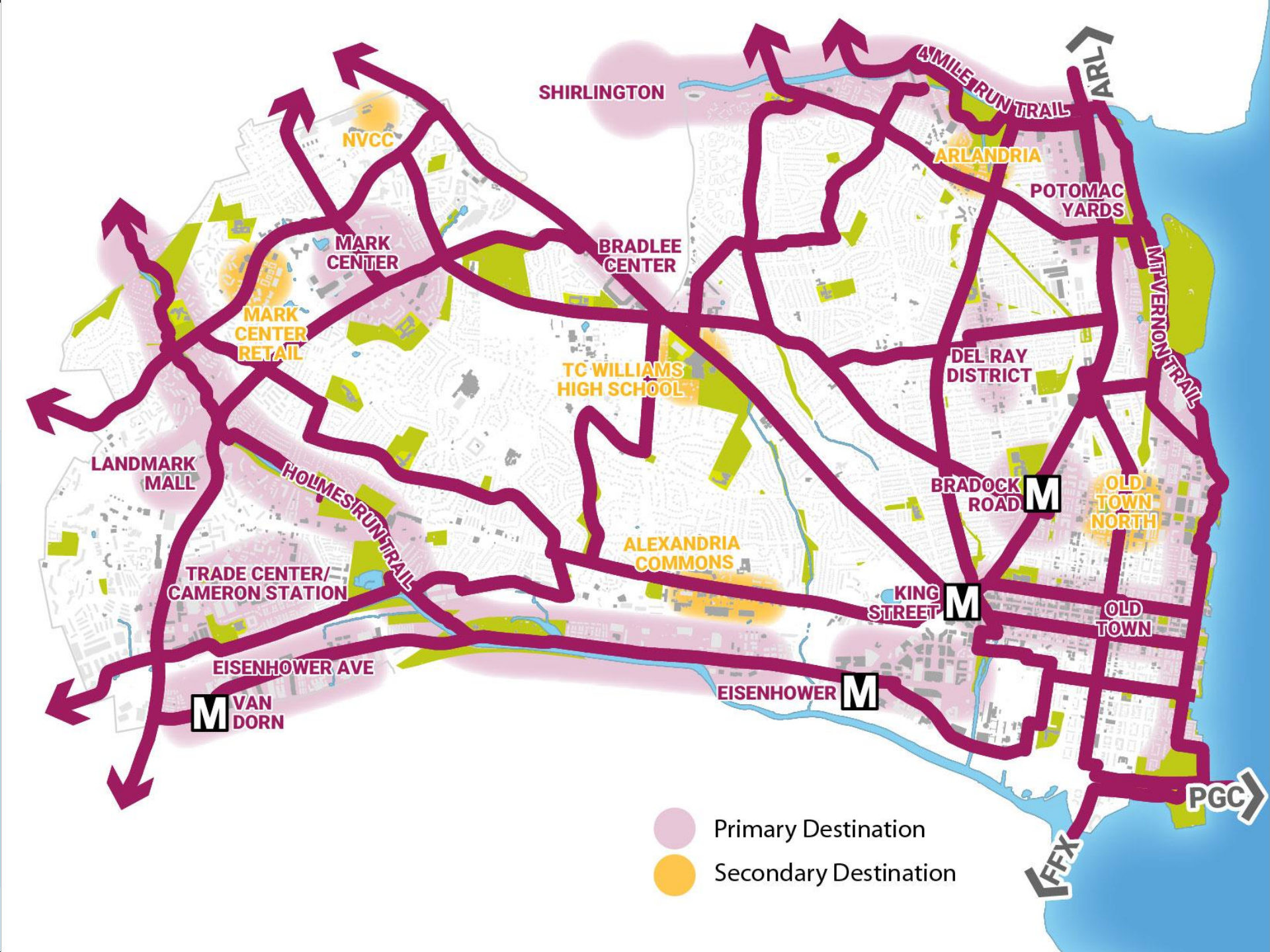
PGC
FFX
Primary Destination
Secondary Destination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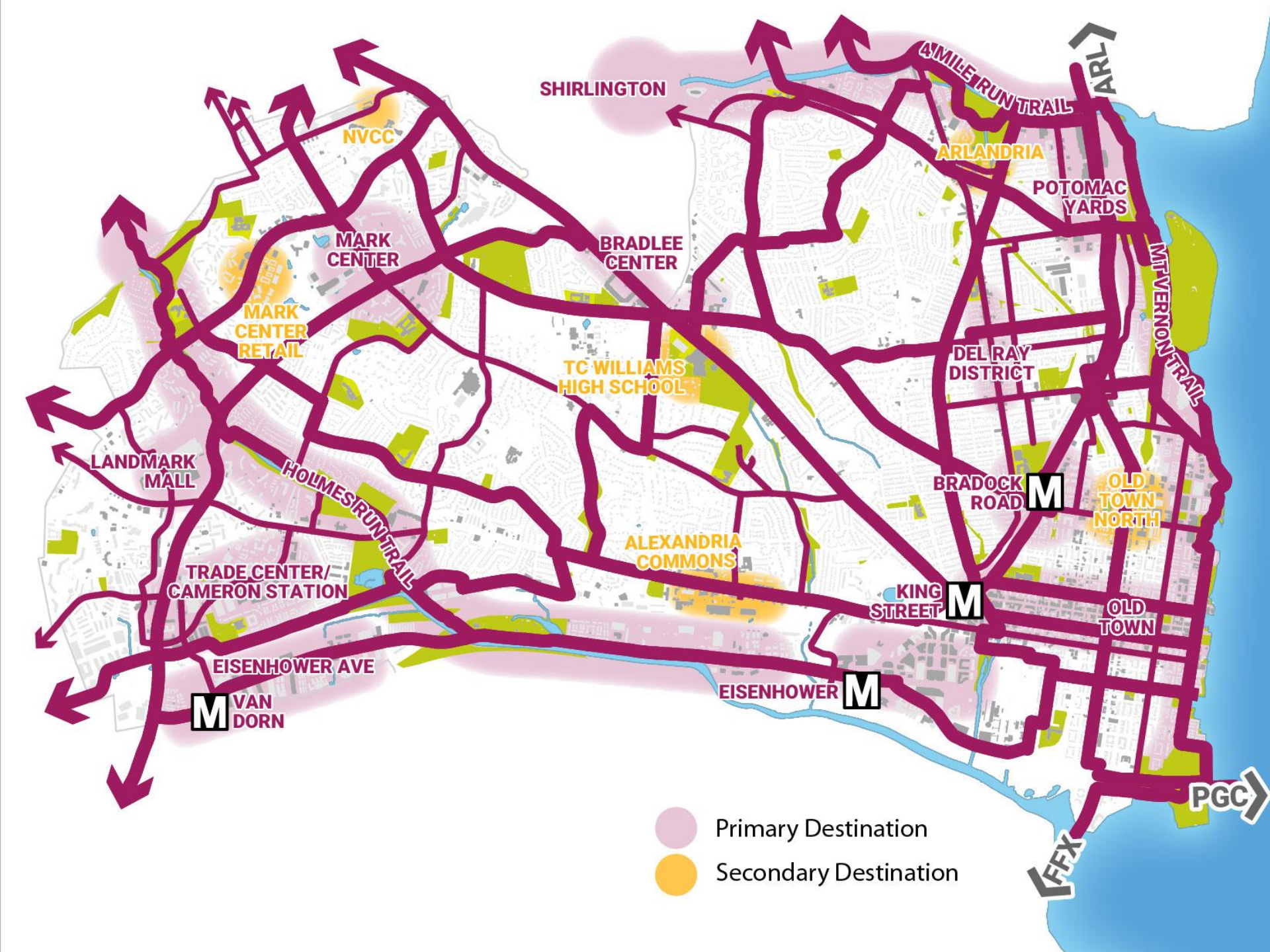
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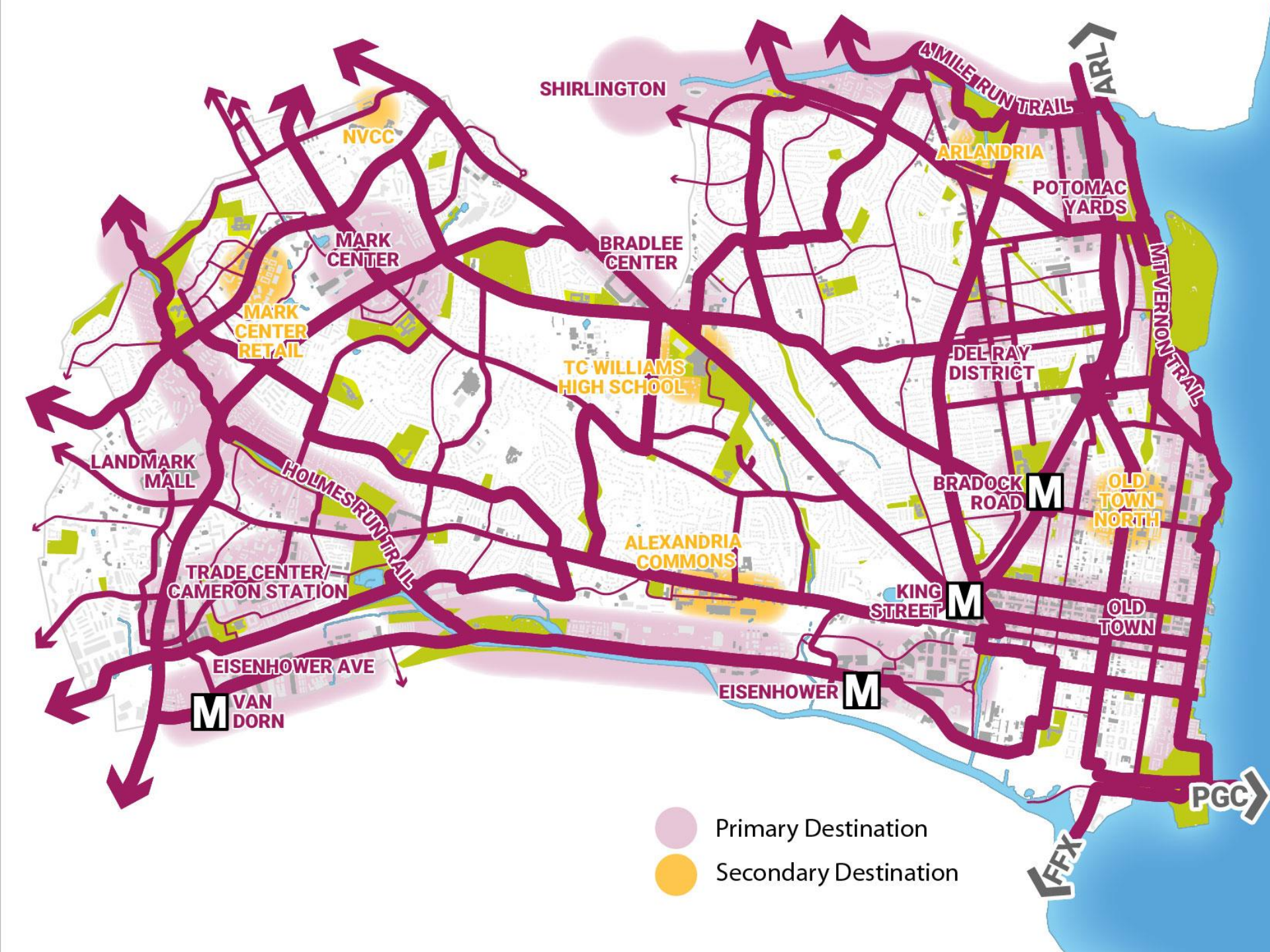
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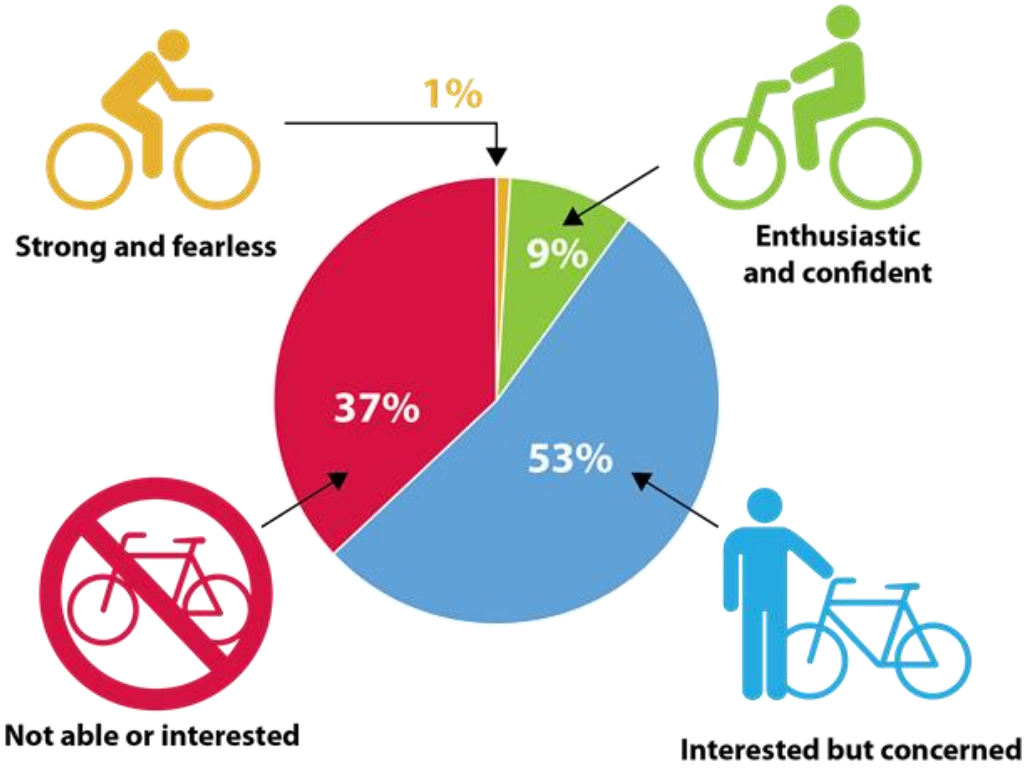
Draft Bicycle Network

Vision, Goals and Objectives:

Bicycle Vision Statement:
…The City provides a network of facilities that link important destinations and appeal to bicycle riders **of different ages and abilities**…



Draft Bicycle Network

Bicycle Facility Groups

- Enhanced Bicycle Corridor
- Shared Roadway
- Trails

Specific designs will be determined case-by-case for future projects.

Enhanced Bicycle Corridor

2-way Separated Bicycle Lane

1-way Separated Bicycle Lane

Buffered Bike Lanes

Sidepath

Enhanced Bicycle Corridor

Standard Bicycle Lane

Painted Bike Lanes

Advisory Bike Lane

Shared Roadway

Shared Roadway

Signed Route on Shared Roadway

Shared Lane Markings

Priority Shared Lane Markings

Neighborhood Bikeway

Trails

City of Alexandria, Virginia

Department of Transportation and Environmental Services

Toole Design Group

DRAFT

Bicycle Facility Recommendations

Alexandria Pedestrian and Bicycle Master Plan

M Metro Station

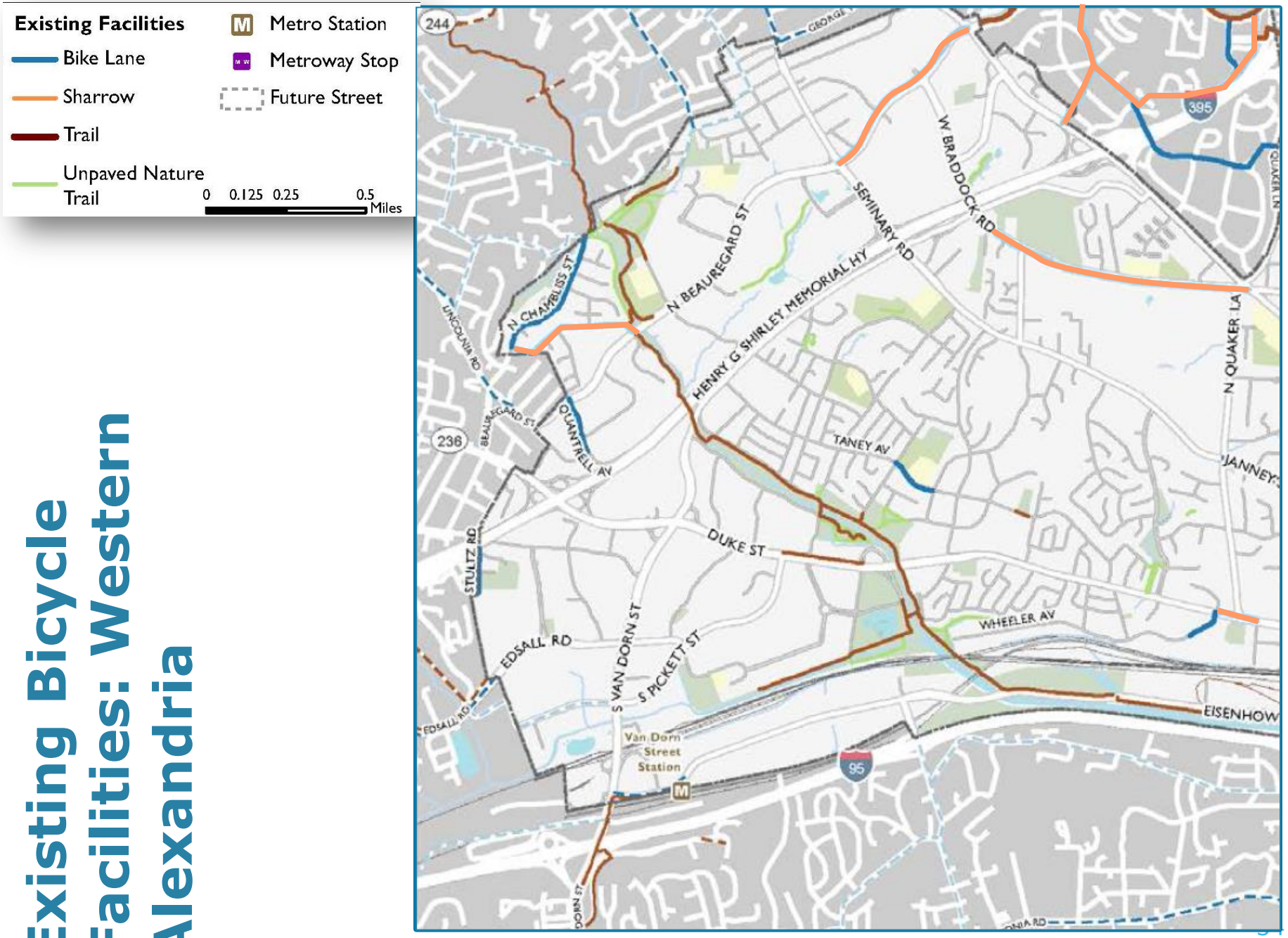
Metroway Stop

Date: 3/18/2015

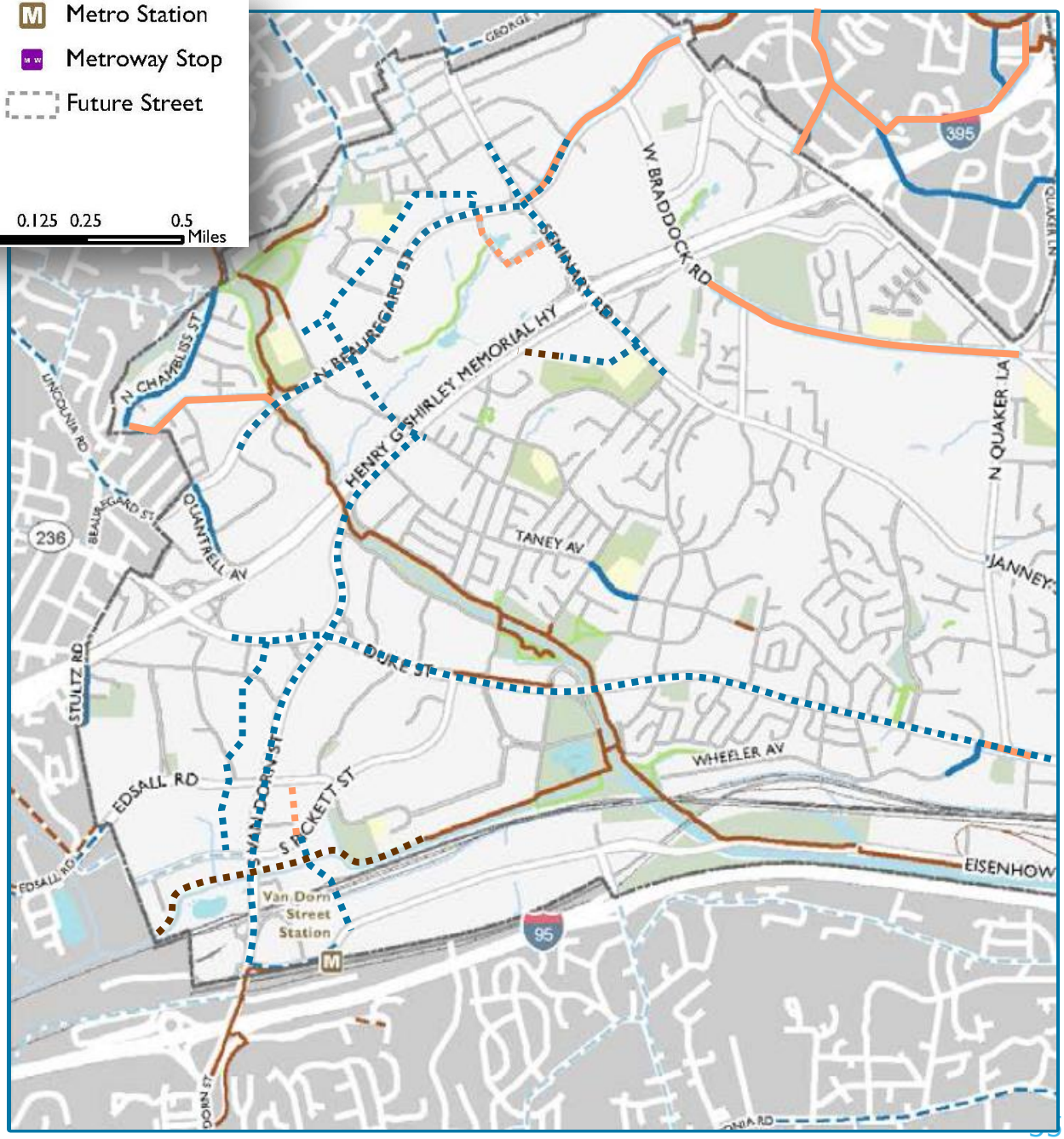
0 750 1,500 3,000

N

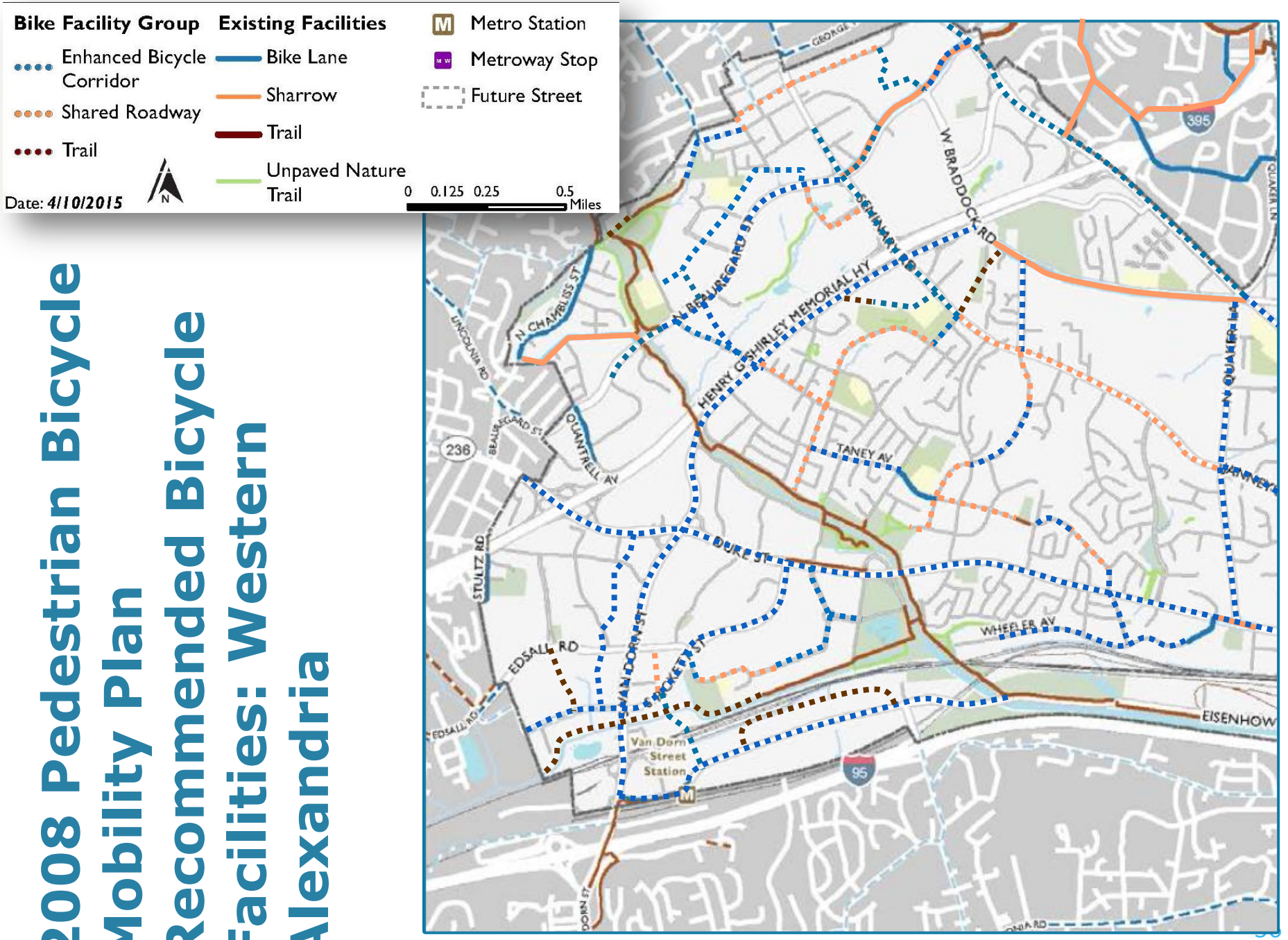
Existing Bicycle Facilities: Western Alexandria



City Approved Plan Recommended Bicycle Facilities: Western Alexandria



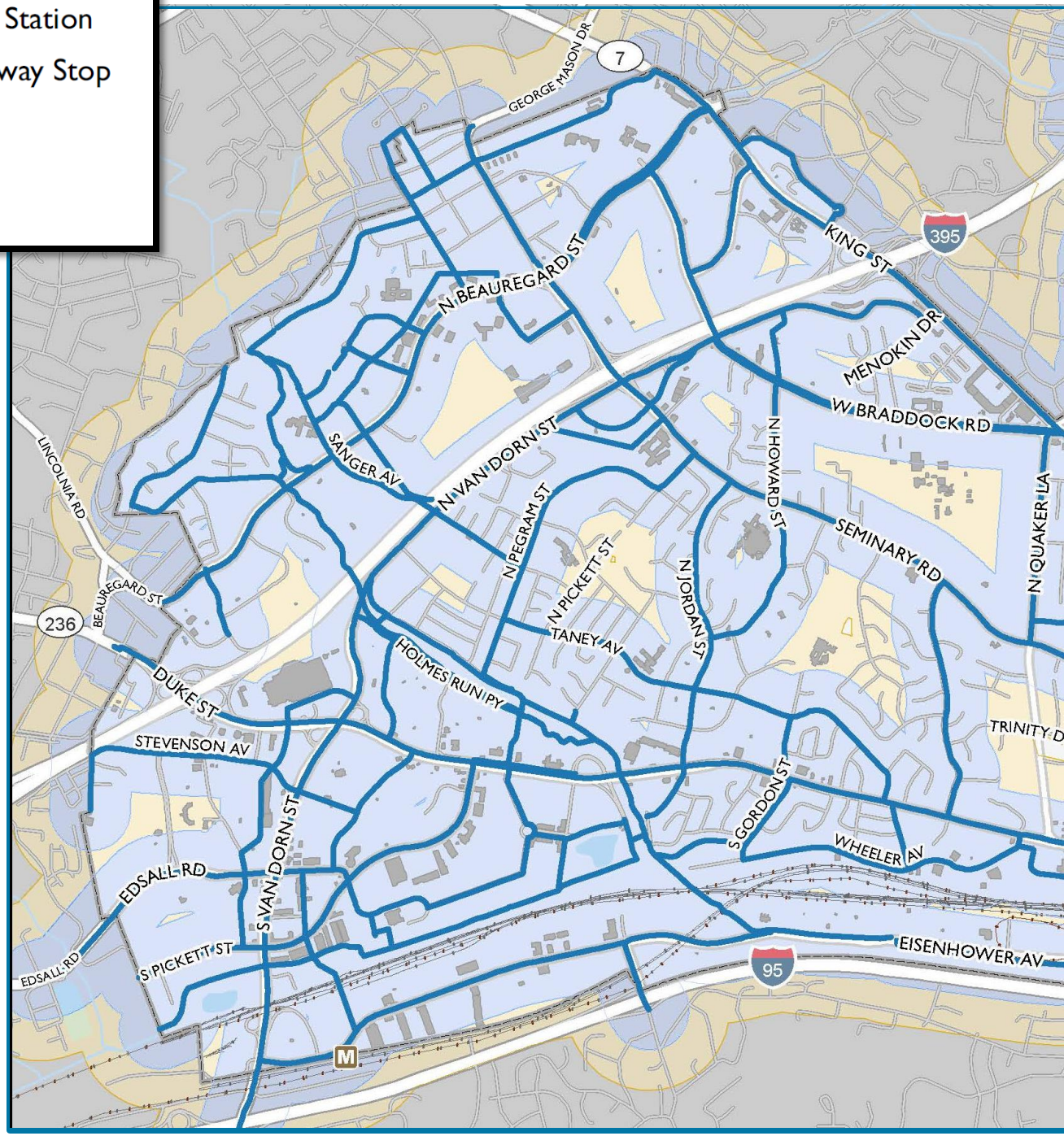
2008 Pedestrian Bicycle Mobility Plan Recommended Bicycle Facilities: Western Alexandria



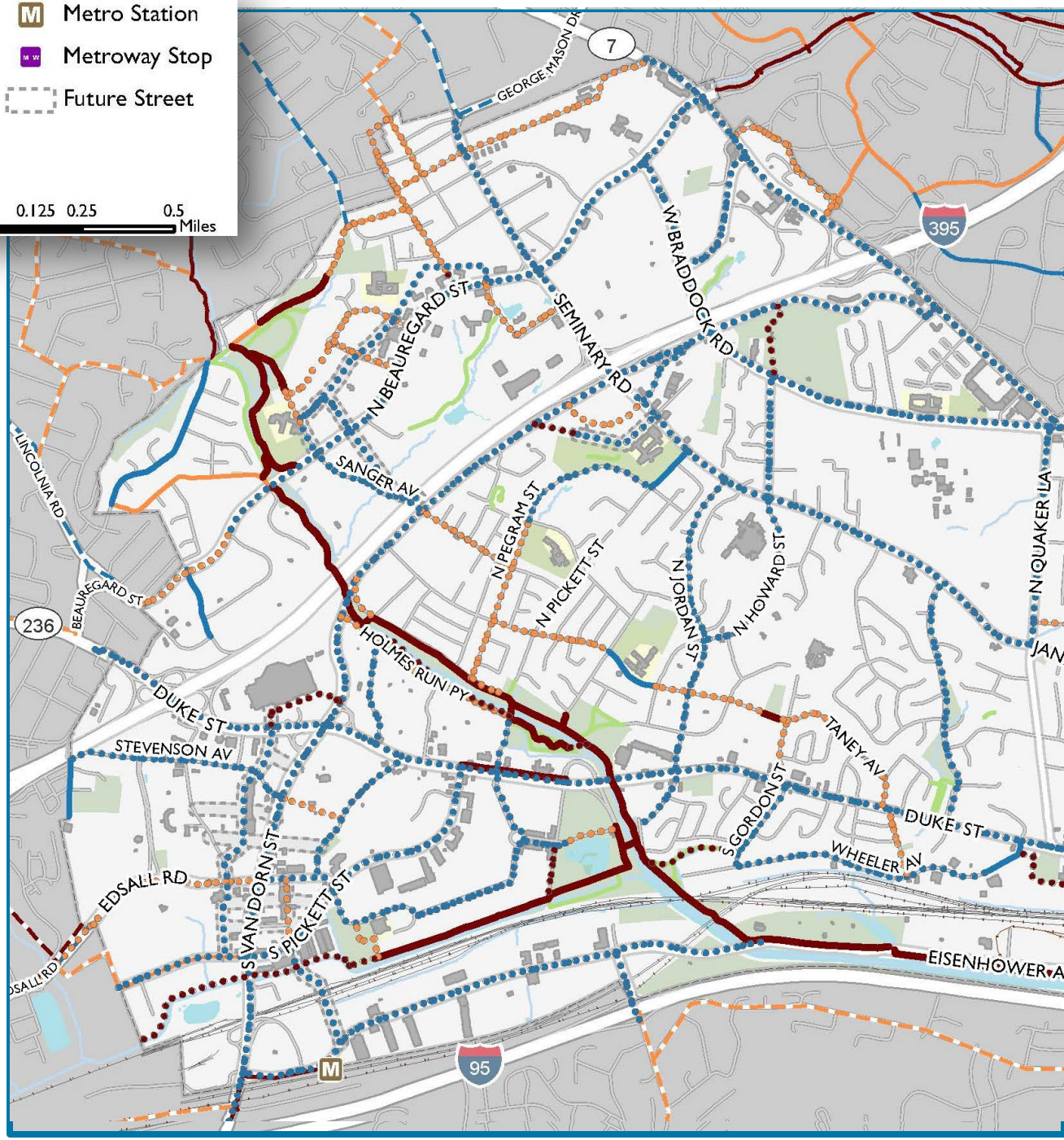
DRAFT Recommended Bicycle Network: Western Alexandria

Coverage

- 1/8 mile
- 1/4 mile
- Recommended Bicycle Network (DRAFT)
- Metro Station
- Metroway Stop



DRAFT Bicycle Facilities: Western Alexandria



Committee Discussion:

1) Are there clarifying questions about the planning process for the bicycle network?

2) Are there areas or destinations with missing connections?

Public Comment

Committee Member Updates

Next Steps

- Late May 2014: **Project Launch**
- June - Sept: **Existing Conditions Analysis**
- Sept 30: **Public Meeting #1**
- Sept - Dec: **Needs Assessment, Goals & Objectives**
- Jan – June 2015: **Strategies, Network, Focus Areas**
- Early Spring 2015: **Ad Hoc Meeting #5**
- Mid Spring 2015: **Ad Hoc Meeting #6**
- Late Spring 2015: **Public Meeting #2**
- Summer 2015: **Draft Plan and Guidelines**
- Fall 2015: **Public Meeting #3**
- Winter 2015: **Completion**

Thank You!

www.alexandriava.gov/pedbikeplan