



Connecting Multimodal Transportation and Land Use

Joint Meeting of the Alexandria City Council, Falls Church City Council and
the Arlington County Board
November 15, 2016

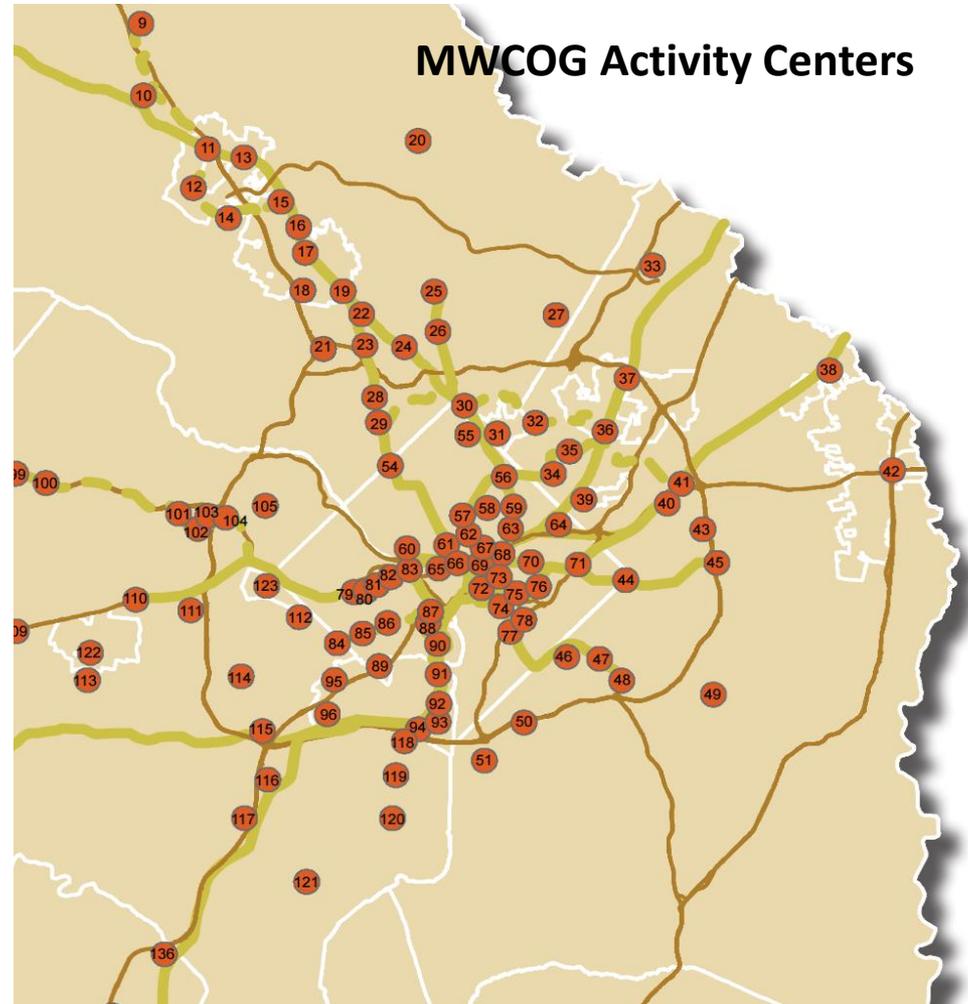
Overview

- Growth and Transportation
 - Location = Challenge & Opportunity
 - Creating Great Places through Multimodal Transportation and Land Use Coordination
- Expanding Travel Options
 - Accommodating all modes
 - Walkable places
 - Bicycling
 - Trails
 - Transit
- Key Growth Corridors
 - Route 7
 - Van Dorn/Beauregard Corridor
 - Route 1
 - Columbia Pike
 - Orange/Silver Line Corridor

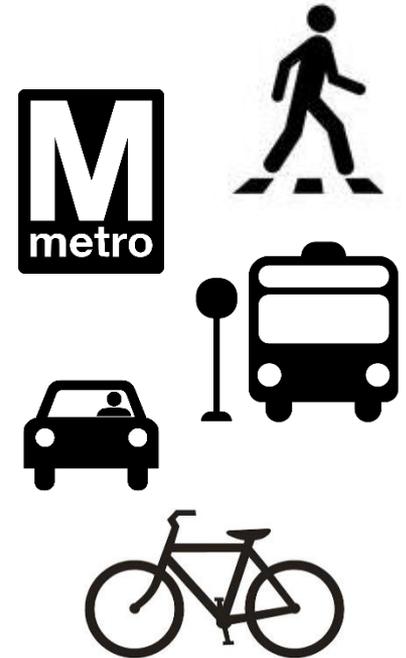


Location = Challenge & Opportunity

- Located in the core of the region
- Good access to jobs and other opportunities
- Highly desirable places to live, work, and play
- Continued regional growth = continued development pressure
- How are we responding?



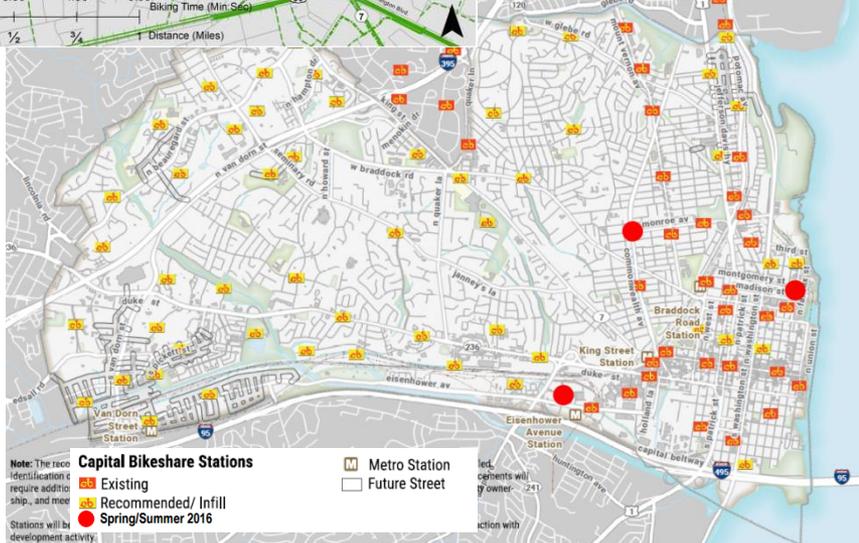
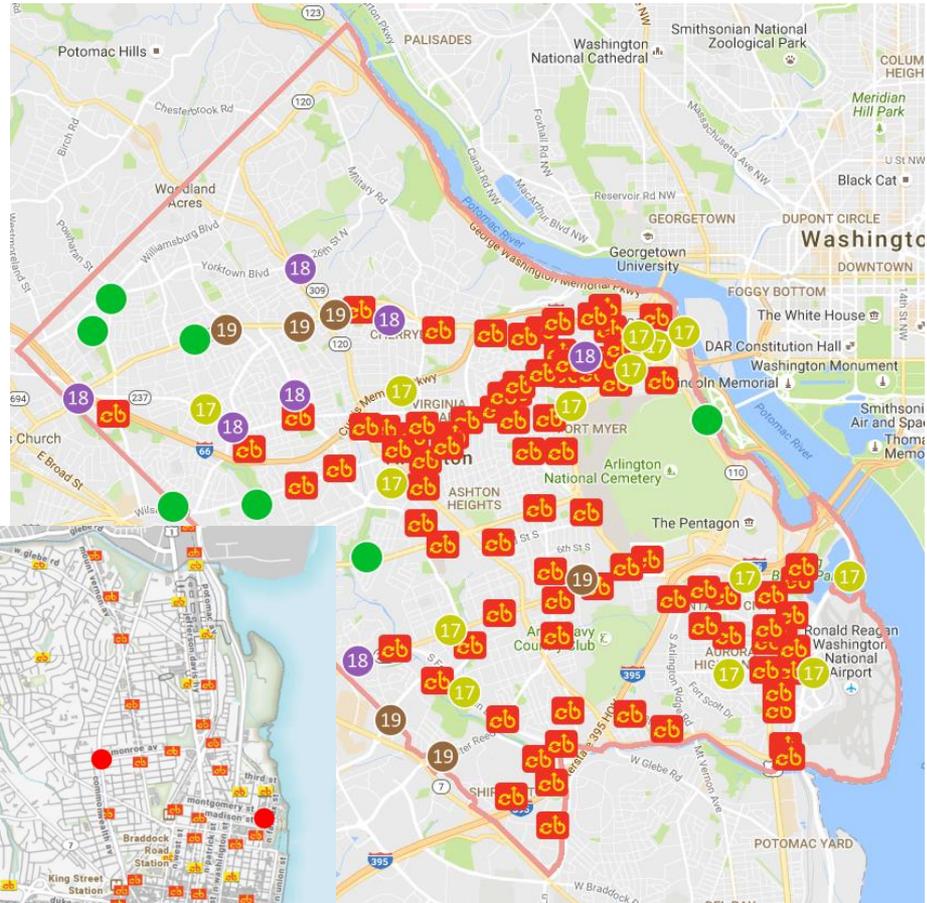
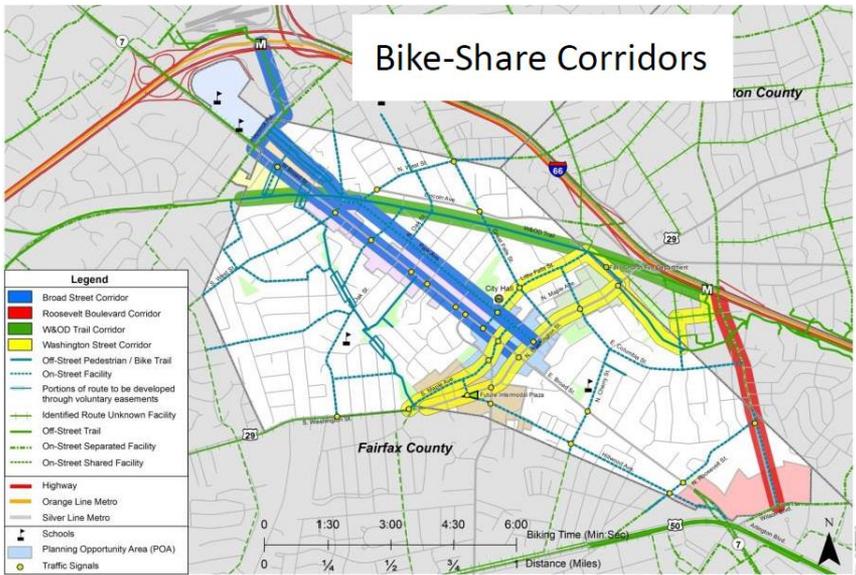
Expanding Travel Options



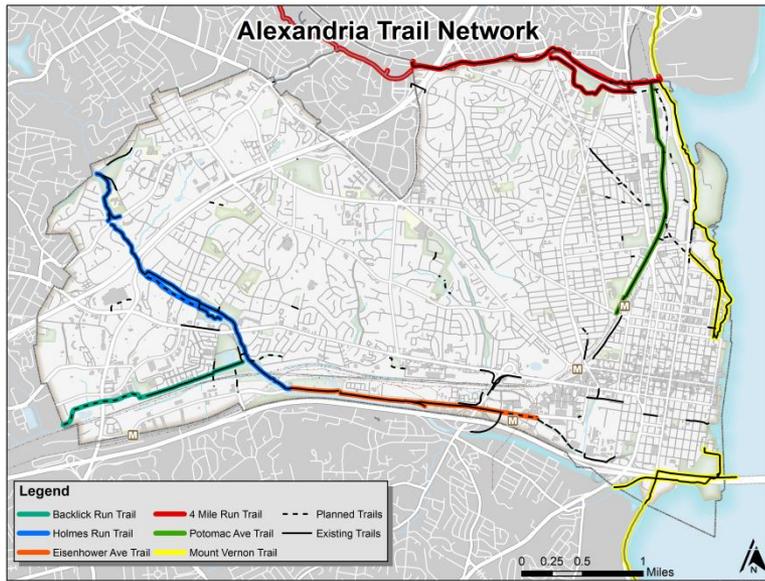
Walkable Places



Capital Bikeshare



Trails



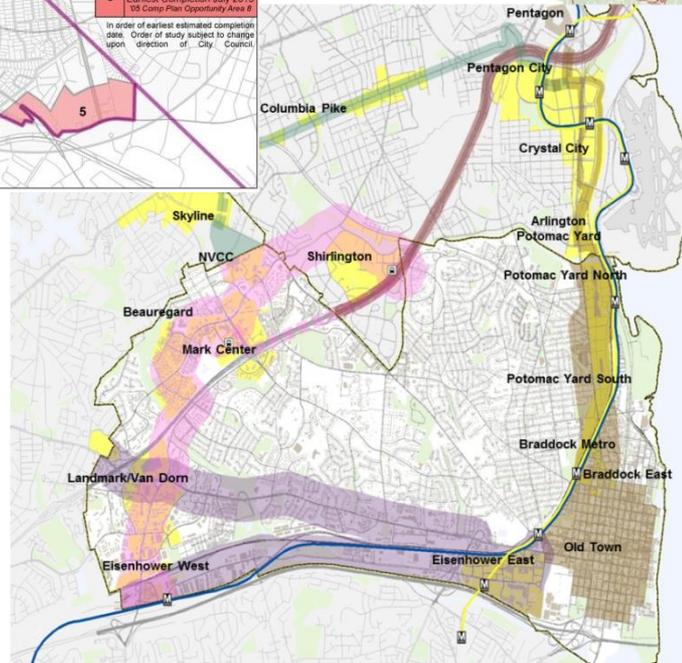
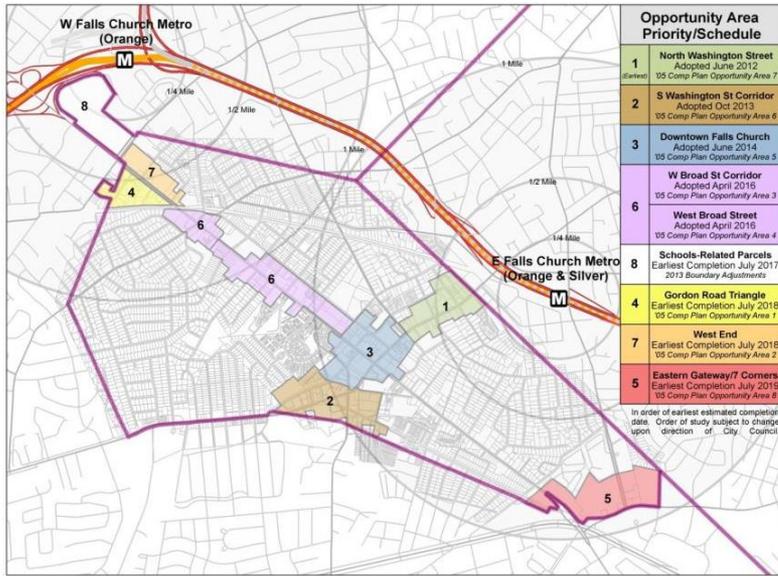
Transit



metrobus



Key Growth Corridors



Orange/Silver Line Corridor

New Western Entrance at East Falls Church



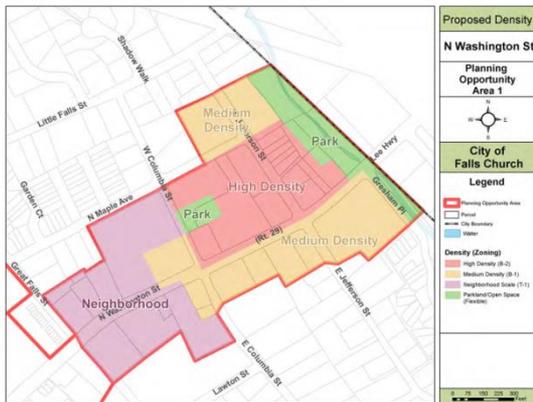
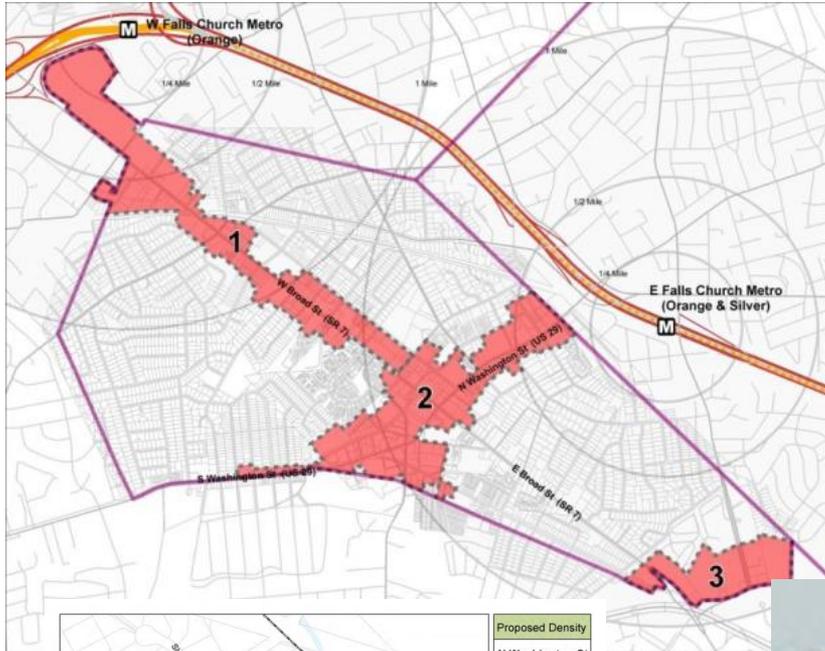
Metrorail West Entrance and Washington Boulevard Plaza Concept



Ballston Multimodal Improvements



Route 7



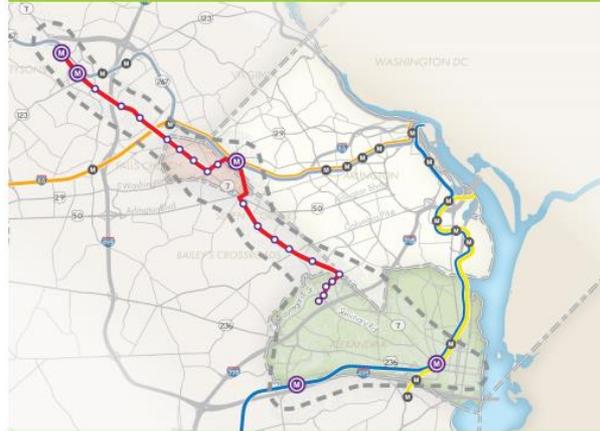
Envision Route 7

Bus Rapid Transit (BRT)



- > Ridership is comparable to that of light rail
- > Mode is compatible with Alexandria's West End Transitway
- > Ability to compete for federal grants is highest
- > Flexibility in meeting various travel conditions along Route 7 is greatest

Tysons to Mark Center



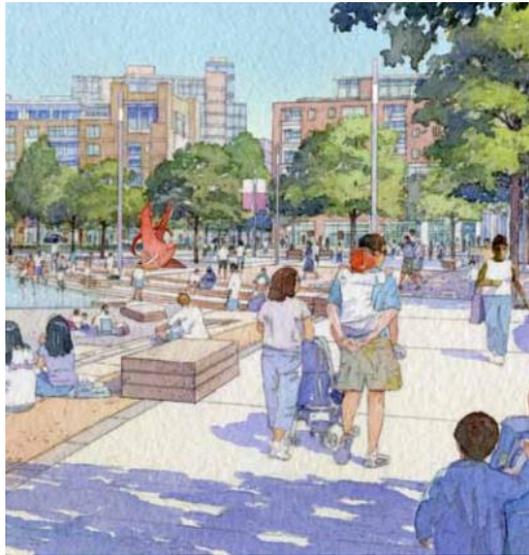
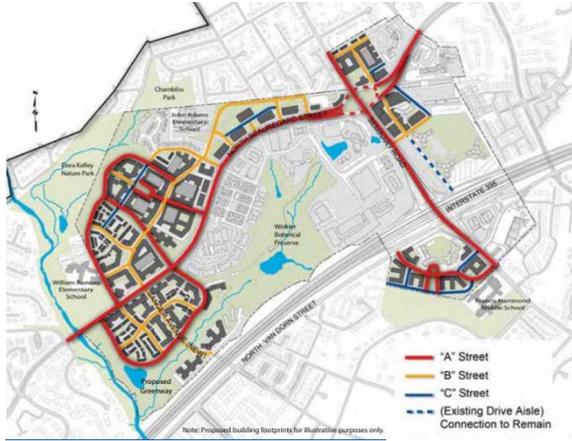
- > Ridership estimates are comparable with other alignments
- > Connection to Alexandria's West End Transitway is seamless, contributing to a developing regional BRT network
- > Access to jobs at the Mark Center and residences and businesses along Route 7 is enhanced

Connection to East Falls Church Metrorail Station

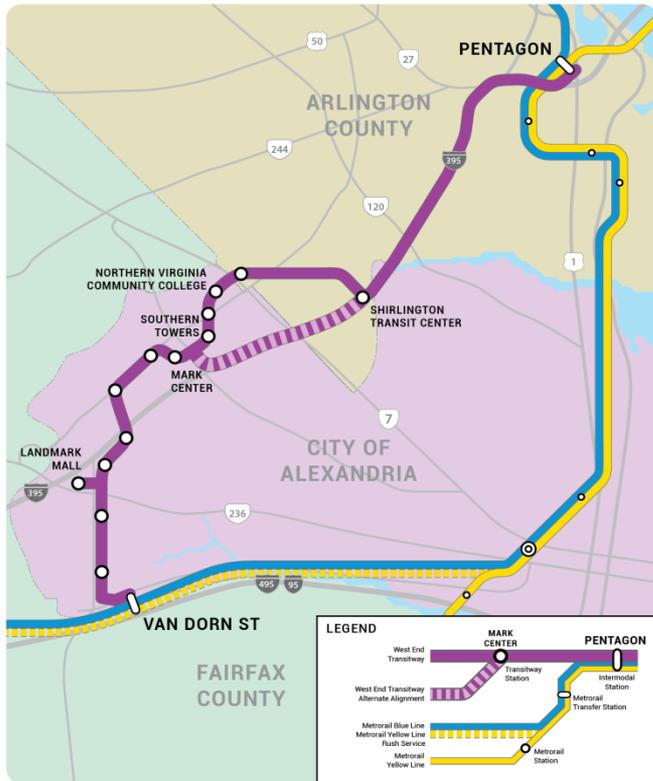


- > Ridership estimates are 38 percent higher with connection
- > Connections to Downtown Falls Church and neighborhoods in Seven Corners are enhanced
- > Mid-corridor connection to Metrorail's Orange and Silver lines is established.

Van Dorn/Beauregard Corridor



West End Transitway



FREQUENT ALL-DAY SERVICE

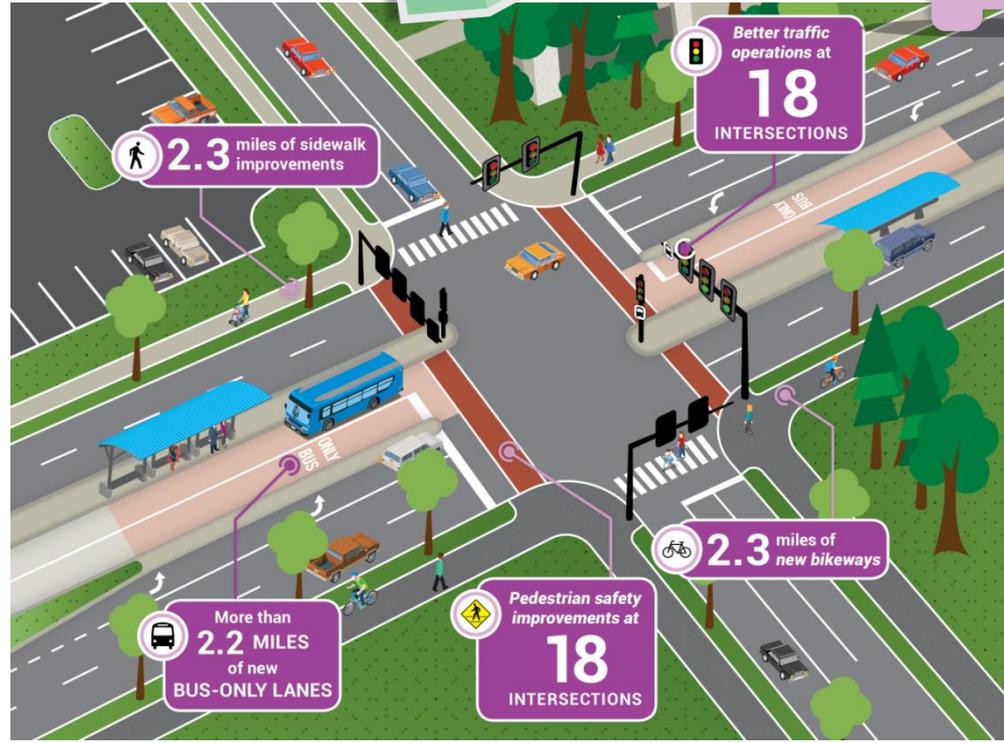
WEEKDAYS:
19 hours/day

WEEKENDS:
17 hours/day

5.3-MILE CORRIDOR

Riders who switch from buses to BRT will save an average of **18 MINUTES PER TRIP**

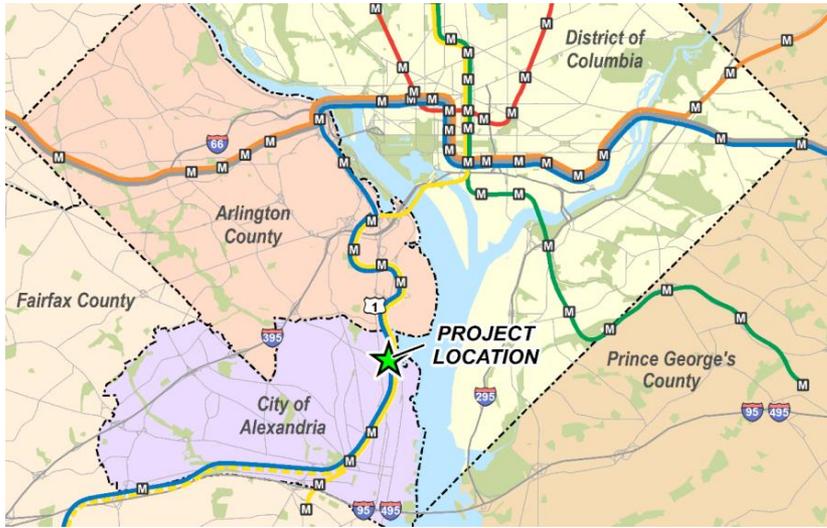
Riders who switch from driving could **SAVE \$1,300** per year in transportation costs



Route 1 Corridor



Potomac Yard Metrorail Station



Crystal City Potomac Yard Transitway (Metroway)



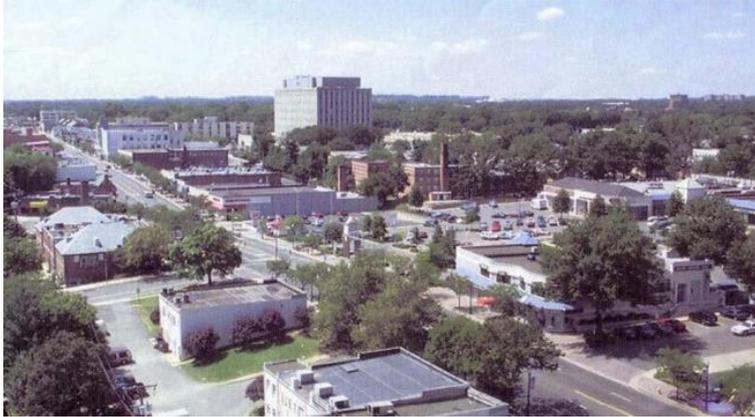
Every 6 minutes peak

Every 12 minutes off-peak

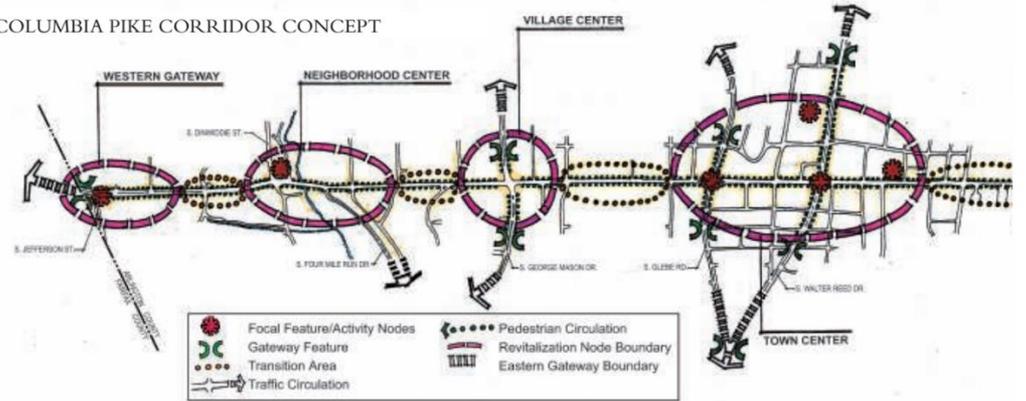
Every 20 minutes nights and weekends



Columbia Pike Corridor



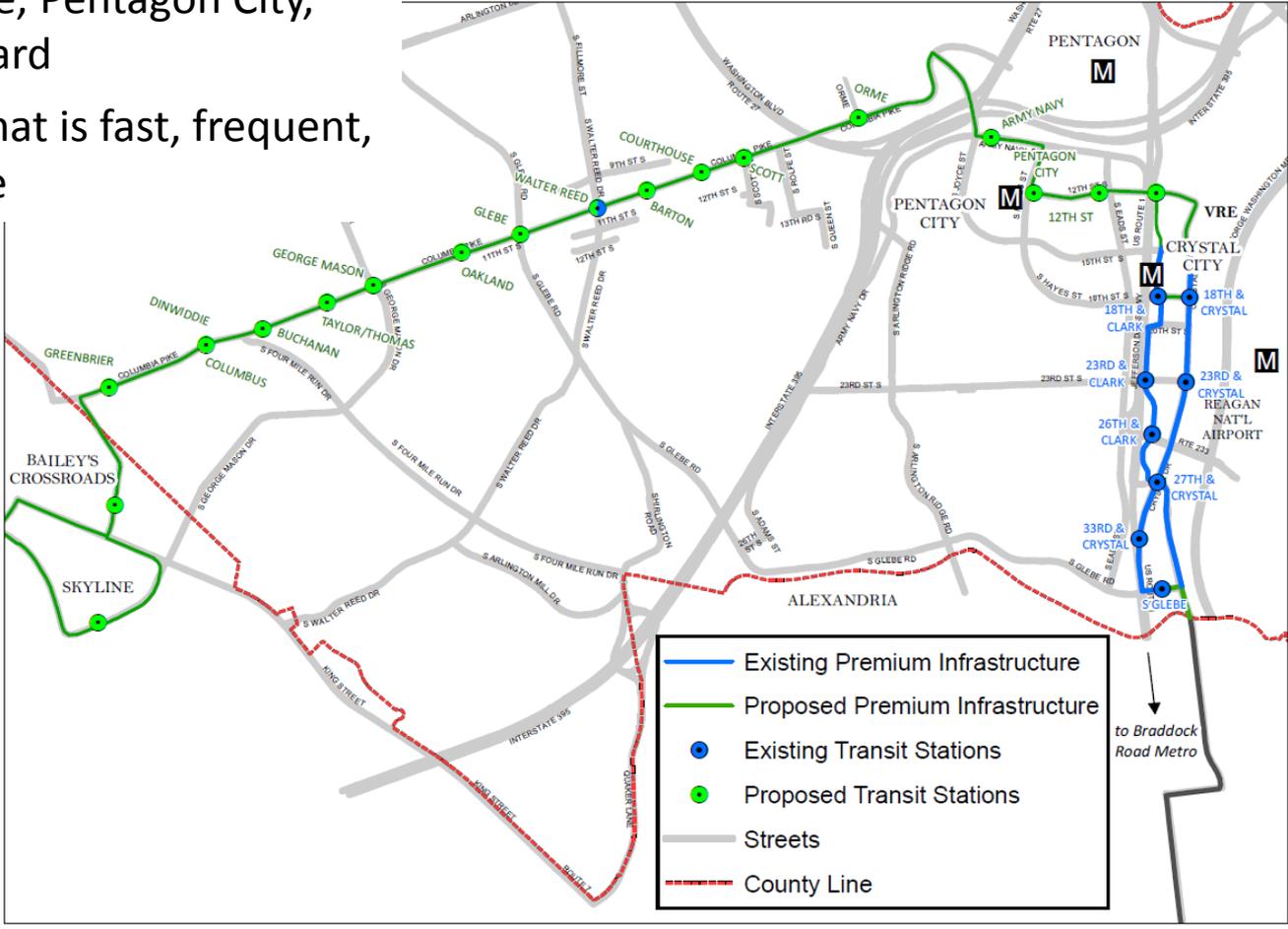
COLUMBIA PIKE CORRIDOR CONCEPT



Columbia Pike Transit

Premium Transit Network

- Connects Columbia Pike, Pentagon City, Crystal City, Potomac Yard
- Will offer bus service that is fast, frequent, reliable and easy to use



Emerging Issues and Technologies

- Applications of technology & information:
 - Strategic network analysis and planning
 - Transportation asset management
- Autonomous vehicles
- The sharing economy (rideshare, shared vehicles)

Shared Ideas, Shared Network

- Shared vision of expanded travel options
 - Capital Bikeshare
 - Trail Network
 - Transit Corridors
- Regional plans support multimodal transportation
 - MWCOG, Region Forward
 - NVTA, TransAction 2040
- Making the case for regionalism
 - Transportation is context sensitive
 - The regional solution is multimodal