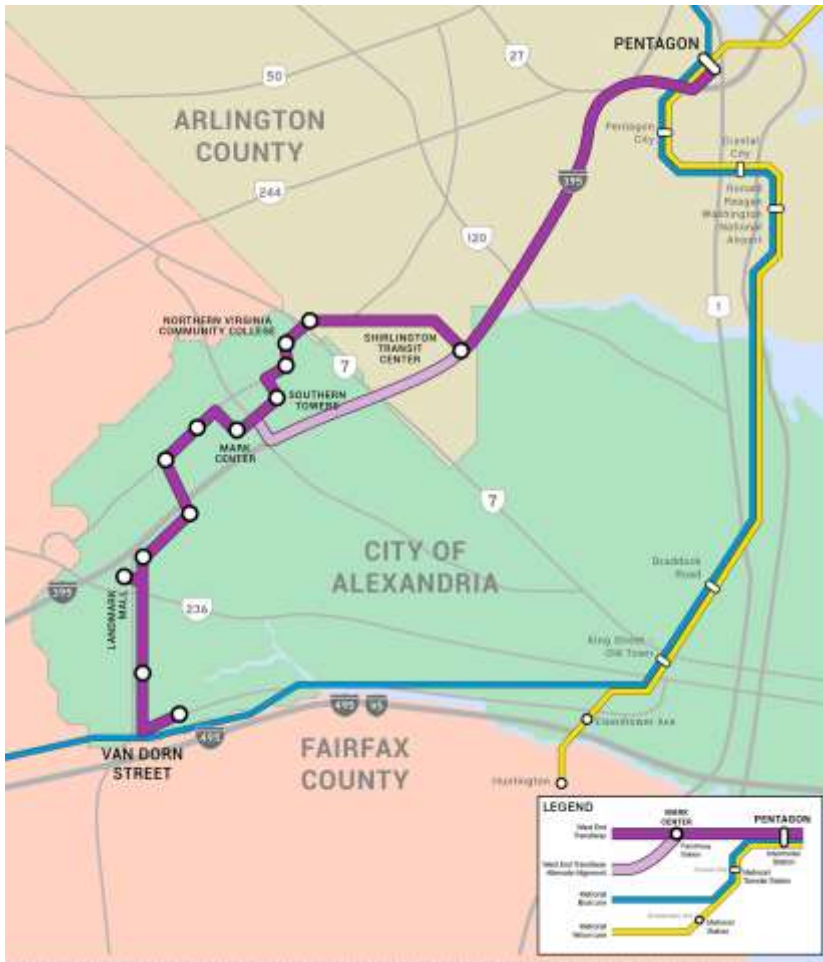


# WEST END TRANSITWAY

## POLICY ADVISORY GROUP MEETING

SEPTEMBER 18, 2014



ALEXANDRIA ACCELERATED

# MEETING AGENDA

1 Project Updates

2 Study Alternatives

3 Evaluation Measures

4 Next Steps

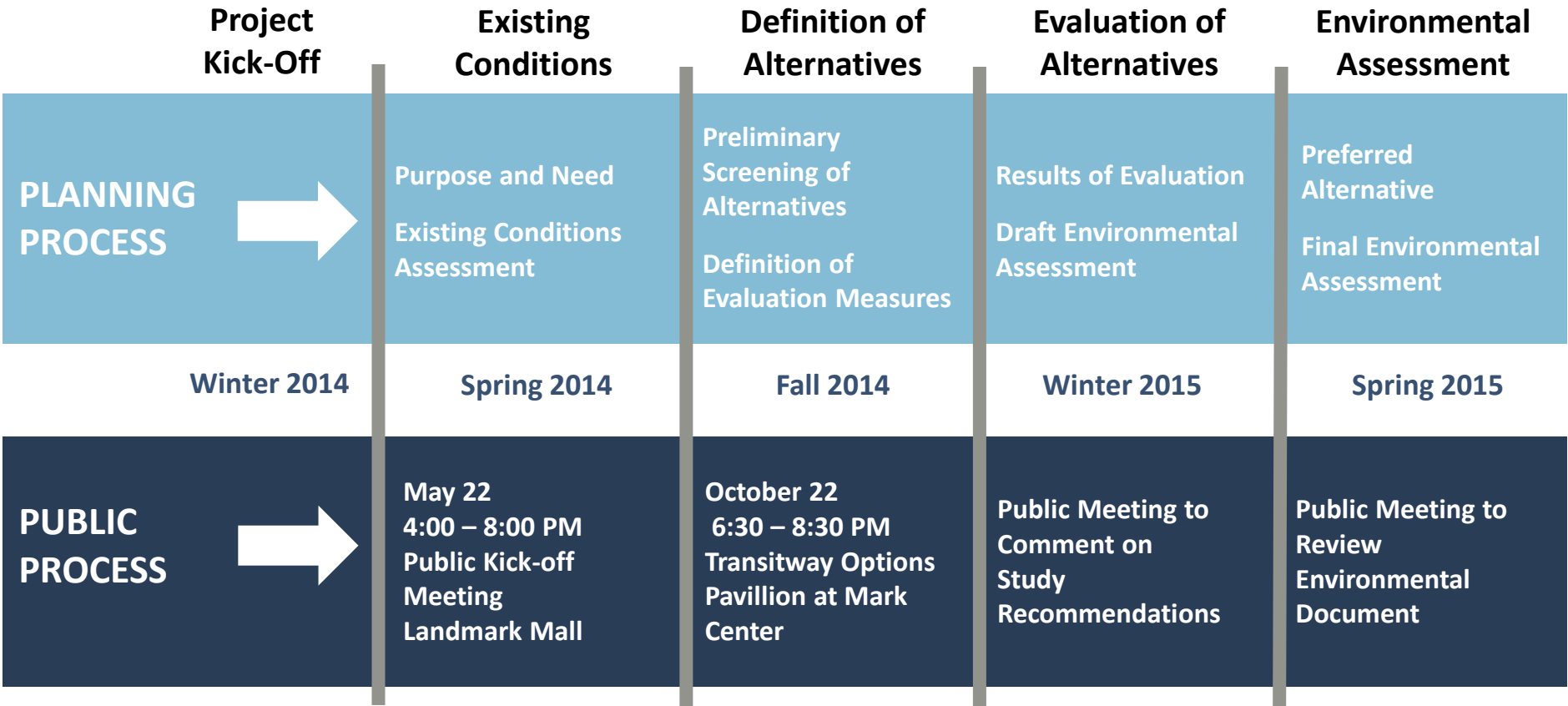


**1**

# PROJECT UPDATES



# AA and EA | Timeline



18 Months WE ARE HERE



# Public Workshop – October 22, 2014

- Location: Pavilion at Mark Center
- Time: 6:30 to 8:30 p.m.

## Agenda

- Study Overview and Progress to Date
- Work Groups
  - Review Alternatives
  - Review Evaluation Approach and Preliminary Outcomes
- Work Group Report-out and Discussion



# Additional Public Outreach

## ALEXANDRIA WEST END TRANSITWAY PROJECT

The City of Alexandria is proposing a new Bus Rapid Transit (BRT) line—the **West End Transitway**—along portions of Van Dorn and Beauregard Streets in Alexandria's West End. The Transitway will provide robust transit service between the Van Dorn Metrorail station and transit centers at Landmark Mall, Mark Center, Shirlington, and Pentagon.

The Transitway will provide robust transit service between the Van Dorn Metrorail station and transit centers at Landmark Mall, Mark Center, Shirlington, and Pentagon. Alexandria is preparing a combined Alternatives Analysis and Environmental Assessment (AA/EA) in accordance with the National Environmental Policy Act of 1969 (NEPA), as amended.



### GET INVOLVED. PARTICIPATE.

Join us for a workshop on **October 16, 2014 at 6:30 p.m.** The workshop will offer you the opportunity to learn about the progress of the project and provide input into the evaluation of alternatives for the transit corridor.

### STAY CONNECTED. LEARN MORE.

- **Project website:** [AlexandriaVA.gov/WestEndTransitway](http://AlexandriaVA.gov/WestEndTransitway)
- **Sign up for eNews:** [AlexandriaVA.gov/eNews](http://AlexandriaVA.gov/eNews) (select West End Transitway)
- **Follow us on Twitter:** @AlexandriaVAGov
- **Like on Facebook:** [AlexandriaVA.Gov](https://www.facebook.com/AlexandriaVA.Gov)

## ALEXANDRIA WEST END TRANSITWAY PROJECT: PUBLIC WORKSHOP

### PAVILION AT MARK CENTER

5708 Merton Court  
Alexandria, VA 22311  
**October 16, 2014**  
6:30 to 8:30 p.m.

### Evening's Schedule

Sign-in and Information Gallery .....	6:30 to 7:00 p.m.
Presentation and Group Discussions .....	7:00 to 8:00 p.m.
Q&A and Closing .....	8:00 to 8:30 p.m.

### Need help getting there?

Check out **DASH** bus routes AT1 or AT2 ([www.dashbus.com](http://www.dashbus.com)) or **METROBUS** routes 7A or 7F ([www.wmata.com](http://www.wmata.com))

### MAKE YOUR VOICE HEARD.

The Workshop will provide you an opportunity to learn about the status of the city's exciting transit project in the West End, to provide input on the ongoing study, and to talk with city staff. We'll have detailed information on each of the alternatives being studied and the results of our preliminary evaluation of the alternatives. We'll also share the latest information on the study's schedule and next steps.

### CONTACT US

<b>Allan Fye</b> Principal Planner 703.746.4151 <a href="mailto:allan.fye@alexandriava.gov">allan.fye@alexandriava.gov</a>	City of Alexandria 421 King Street, Room 4100 Alexandria, VA 22314
---	--

Public meetings are open to the public. The City of Alexandria is committed to compliance with the Americans with Disabilities Act, as amended. To request a reasonable accommodation at public meetings, e-mail [Genelyn.Taylor@alexandriava.gov](mailto:Genelyn.Taylor@alexandriava.gov) or call (703) 746-4084, Virginia Relay 711.



The City of Alexandria fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. For more information, or to file a Title VI related complaint, see [www.alexandriava.gov](http://www.alexandriava.gov) or call (703) 746-3140. Para información en español, llame al (703) 746-3140.

- Pop-Up Meetings
  - Queen of the Apostle
  - Mark Center Transit Station
  - Van Dorn Metro Station
- Help us get the word out
  - Seminary Towers
  - Mark Center
  - Others suggestions?

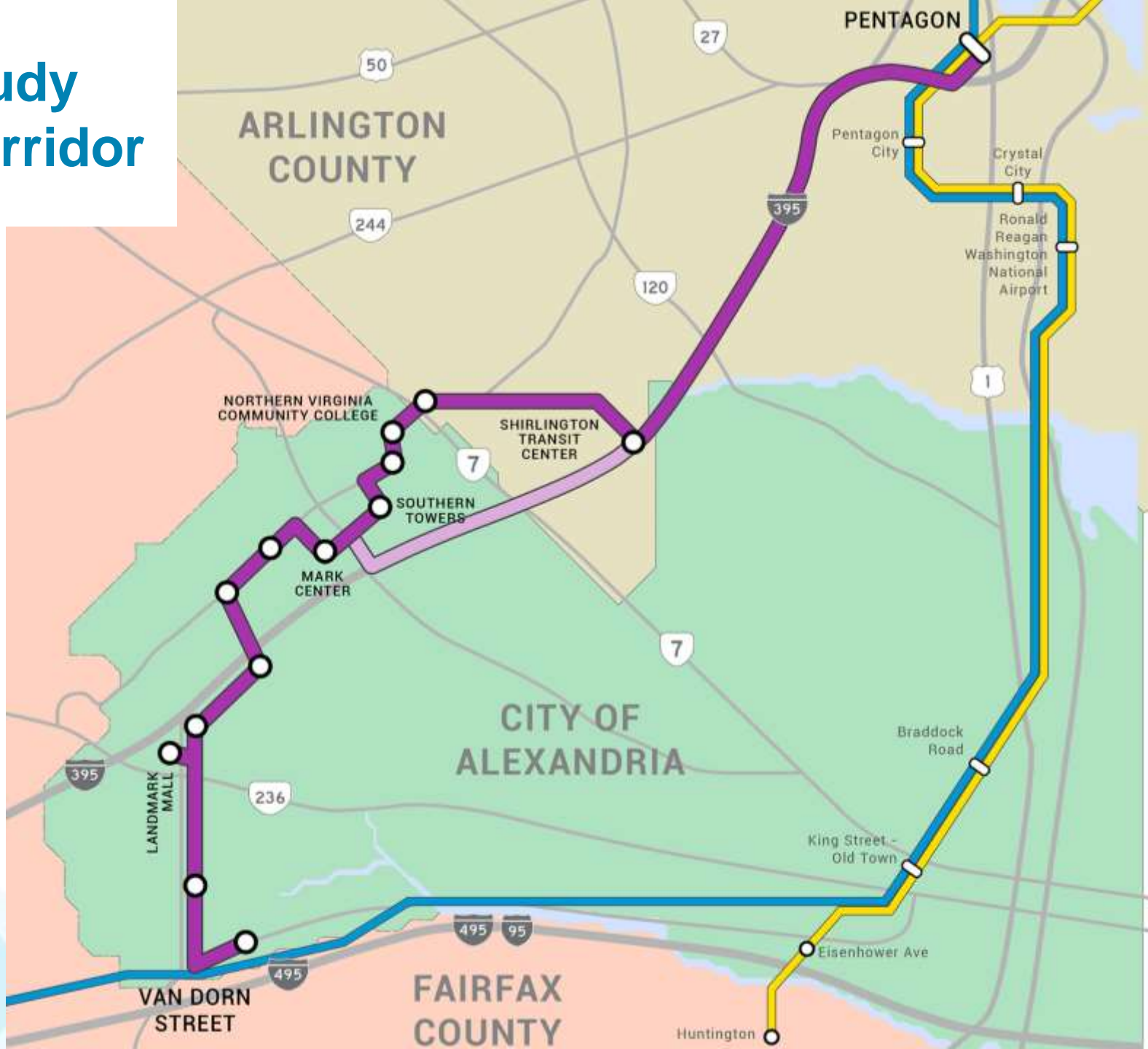


**2**

# **STUDY ALTERNATIVES**



# Study Corridor





# AA Study Alternatives

- **Build Alternative**
  - Frequent, continuous transit service along Van Dorn and Beauregard Streets
  - Dedicated transit lanes along significant portions of corridor
  - Infrastructure and operational elements to enhance transit operations
- **Transportation Systems Management (TSM) Alternative**
  - Frequent, continuous transit service along Van Dorn and Beauregard Streets
  - New, limited-stop bus service along the entirety of the corridor
  - Some traffic operational enhancements
  - No major capital investment in new infrastructure for dedicated transit lanes
- **No Build Alternative**
  - Transit services in shared lanes similar to current conditions
  - Includes already planned and programmed infrastructure, traffic operational and transit service improvements



# Elements of the Alternatives

- Systems Operations
- Infrastructure
- Service



# System Operations

Element	No Build Alternative	TSM Alternative	Build Alternative
<b>Transit Signal Priority</b>	Up to 9 locations	Up to 13 locations	All corridor signalized intersections
<b>Queue Jump Lanes</b>	1 location	1 location	None
<b>Increased Service</b>	Some	Significant	Significant
<b>Transit-Dedicated Lanes</b>	None	None	Dedicated Lanes: 2.3 Miles (42% of Alexandria portion) + I-395 HOV Peak Direction (Mark Center to Pentagon – 5.4 Miles Shirlington to Pentagon – 3.4 Miles)
<b>Stop or Station Improvements</b>	Maintain existing transit stop locations; Stop improvements at 2 locations	Stop consolidation to match Build Alternative station locations; Stop improvements at 2 locations	Significant stations at all transitway stops defined
<b>Vehicles</b>	Same as agency fleet	Same as agency fleet	Build Alternative-specific



# Build Alternative Stations

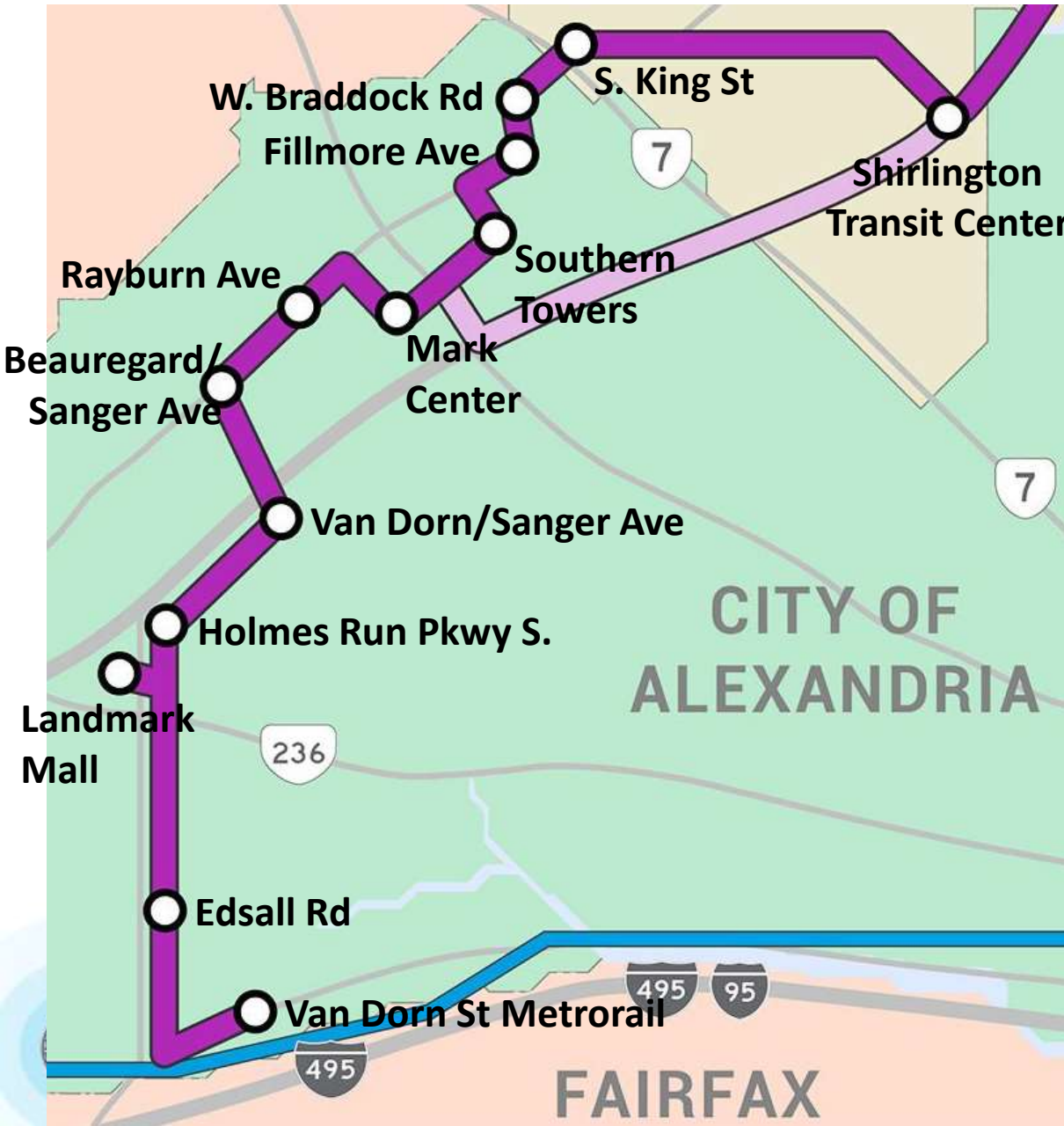
- Up to two vehicles
- Shelters
- Level or near-level boarding
- Off-board fare collection system
- Service-specific branding
- Real-time service information display



*US 1 Metroway station, Source: [www.flickr.com/BeyondDC](http://www.flickr.com/BeyondDC)*



# TSM & Build Alternative Station Locations



# Build Alternative Vehicles

- Service-specific low-floor BRT buses with specific branding



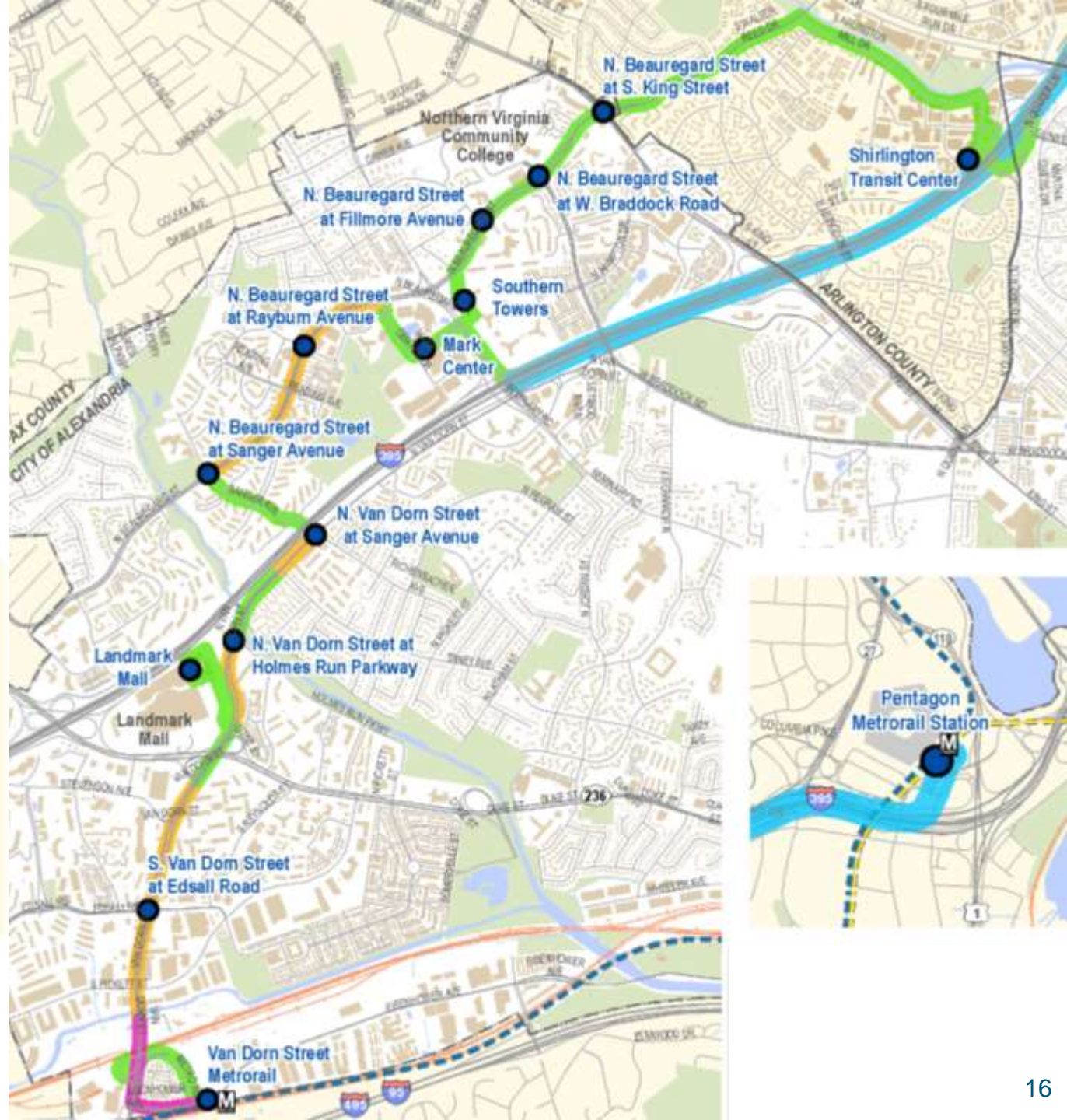
*US 1 Metroway vehicle, Source: [www.wmata.com](http://www.wmata.com)*



Element	No Build Alternative	TSM Alternative	Build Alternative
<b>Modifications by Others</b>			<ul style="list-style-type: none"> <li>• Right turn lane westbound Edsall Road at South Van Dorn Street</li> <li>• Right turn lane northbound South Van Dorn Street at Pickett Street</li> <li>• I-395 widening and shoulder improvements</li> <li>• Intersection reconstruction at North Beauregard Street and Seminary Road</li> </ul>
<b>Transit Runningway Modifications</b>	None	None	<ul style="list-style-type: none"> <li>• Dedicated Lanes: 2.3 Miles (42% of Alexandria portion)</li> <li>• Curbside dedicated lanes: 0.8 miles</li> <li>• Median dedicated lanes: 1.5 miles</li> </ul>
<b>Other Modifications</b>	None	None	<ul style="list-style-type: none"> <li>• Shared use bicycle/pedestrian path and streetscape improvements: 6 locations</li> <li>• Widen sidewalks: 3 locations</li> </ul>



# Build Alternative Runningway



## LEGEND

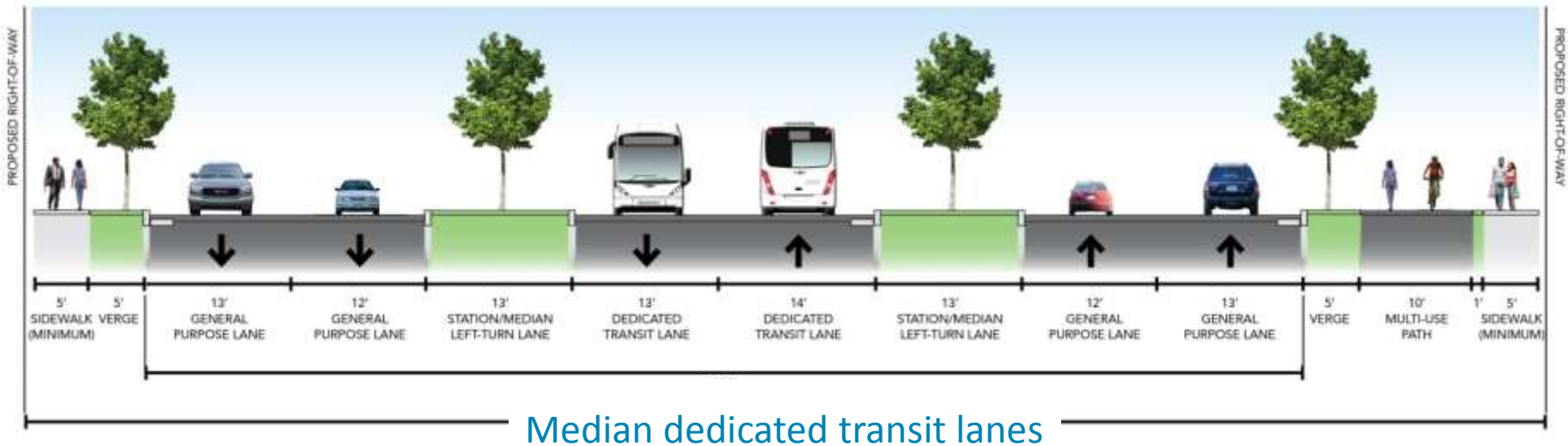
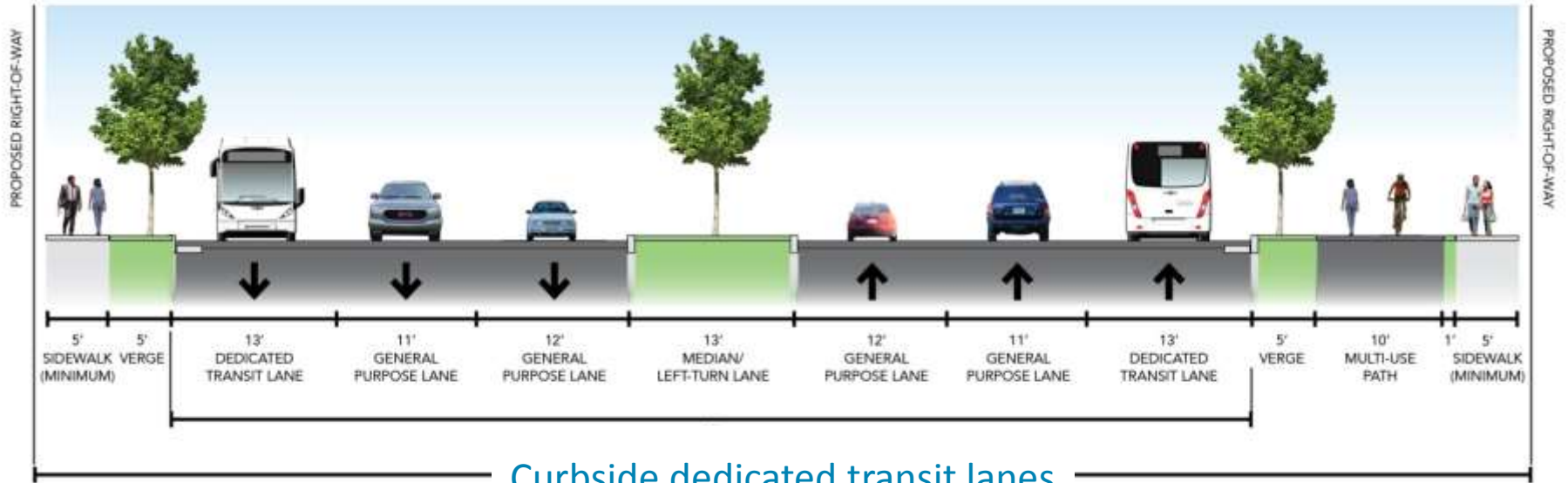
- West End Transitway
- Planned Station
  - Dedicated Transit Lane in One Direction
  - Dedicated Transit Lanes in Both Directions
  - Transit in Mixed Traffic
  - Transit in I-395 HOV Lanes (Peak Period)
  - Metrorail Station
  - Metrorail Blue Line
  - Metrorail Yellow Line



WEST END TRANSITWAY



# Build Alternative Cross Sections



# Median Dedicated Transit – US 1 Metroway



Source: [www.flickr.com/BeyondDC](http://www.flickr.com/BeyondDC)



WEST END TRANSITWAY

# Median Dedicated Transit – US 1 Metroway



Source: [www.flickr.com/BeyondDC](http://www.flickr.com/BeyondDC)



WEST END TRANSITWAY

Element	No Build Alternative	TSM Alternative	Build Alternative
<b>Transitway Corridor Service</b>	<ul style="list-style-type: none"> <li>Improved headway: 2 routes</li> <li>Change in route: 2 routes</li> </ul>	<ul style="list-style-type: none"> <li>New Service: 1 route</li> <li>Eliminate Service: 2 routes</li> <li>Other adjustments: 6 routes</li> </ul>	<ul style="list-style-type: none"> <li>New service: 1 route</li> <li>Eliminate Service: 2 routes</li> <li>Other adjustments: 6 routes</li> </ul>
<b>Service Span</b>	<ul style="list-style-type: none"> <li>Existing service</li> </ul>	<ul style="list-style-type: none"> <li>Weekdays: 19 daily hours</li> <li>Weekends: 17 daily hours</li> </ul>	<ul style="list-style-type: none"> <li>Weekdays: 19 daily hours</li> <li>Weekends: 17 daily hours</li> </ul>
<b>Travel Time Estimate</b>	<ul style="list-style-type: none"> <li>Existing service</li> </ul>	<ul style="list-style-type: none"> <li>33 to 40 minutes</li> </ul>	<ul style="list-style-type: none"> <li>29 to 35 minutes</li> </ul>
<b>Vehicles Required</b>	<ul style="list-style-type: none"> <li>Existing service requirements</li> </ul>	<ul style="list-style-type: none"> <li>24-26 peak vehicles on weekdays</li> <li>8 peak vehicles on weekends</li> </ul>	<ul style="list-style-type: none"> <li>21-24 peak vehicles on weekdays</li> <li>8 peak vehicles on weekends</li> </ul>
<b>Supporting Bus Service</b>	<ul style="list-style-type: none"> <li>New Service: 1 route</li> <li>Decrease headway: 4 routes</li> <li>Improve headway: 1 route</li> <li>Change in route: 1 route</li> </ul>	<ul style="list-style-type: none"> <li><i>No Build changes, plus:</i></li> <li>New service: 1 route</li> <li>Eliminate service: 1 route</li> <li>Change in route: 1 route</li> </ul>	<ul style="list-style-type: none"> <li><i>No Build changes, plus:</i></li> <li>New service: 1 route</li> <li>Eliminate service: 1 route</li> <li>Change in route: 1 route</li> </ul>

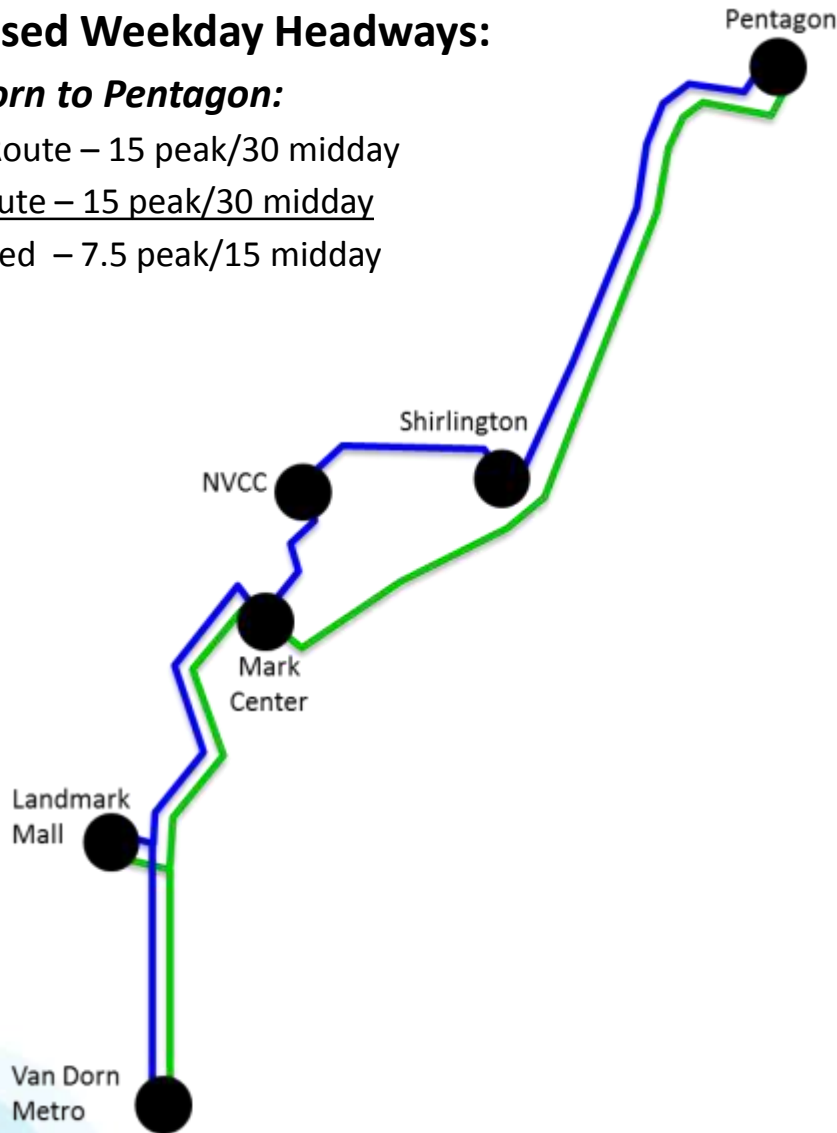


# Transitway Service Options

## Proposed Weekday Headways:

### *Van Dorn to Pentagon:*

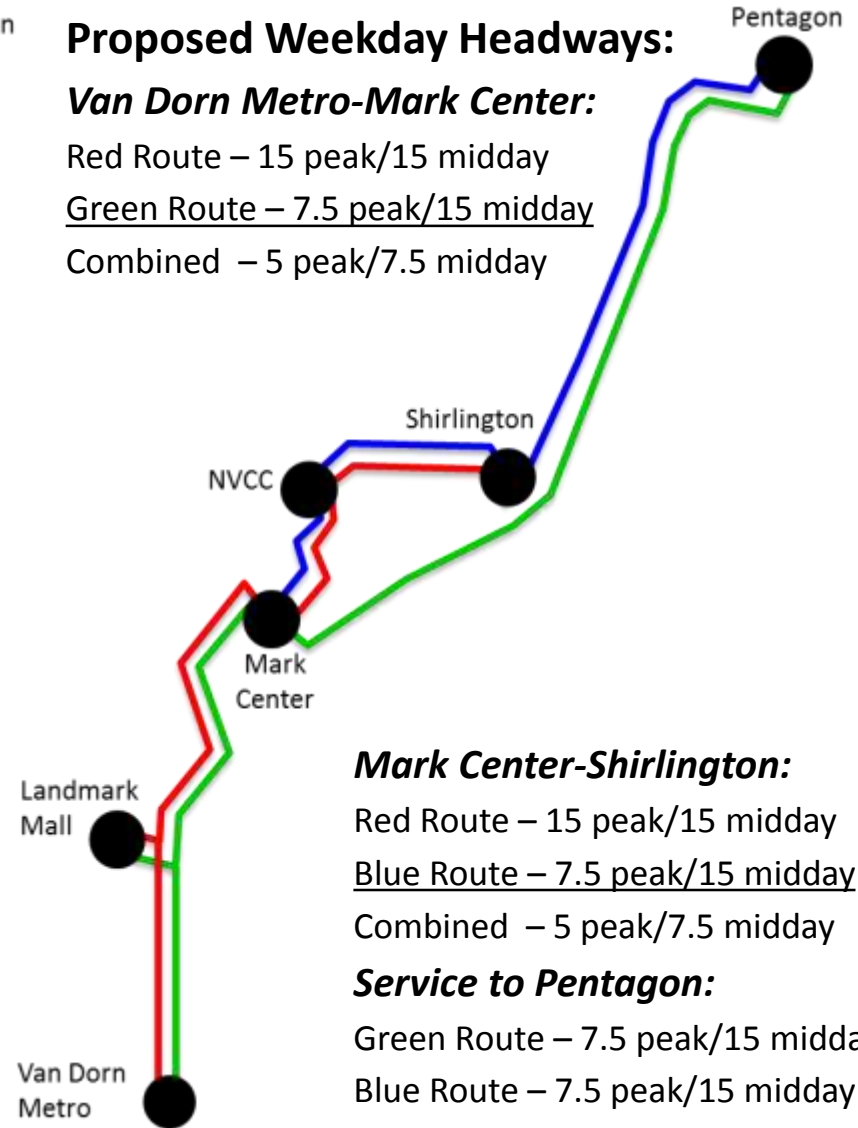
- Green Route – 15 peak/30 midday
- Blue Route – 15 peak/30 midday
- Combined – 7.5 peak/15 midday



## Proposed Weekday Headways:

### *Van Dorn Metro-Mark Center:*

- Red Route – 15 peak/15 midday
- Green Route – 7.5 peak/15 midday
- Combined – 5 peak/7.5 midday



### *Mark Center-Shirlington:*

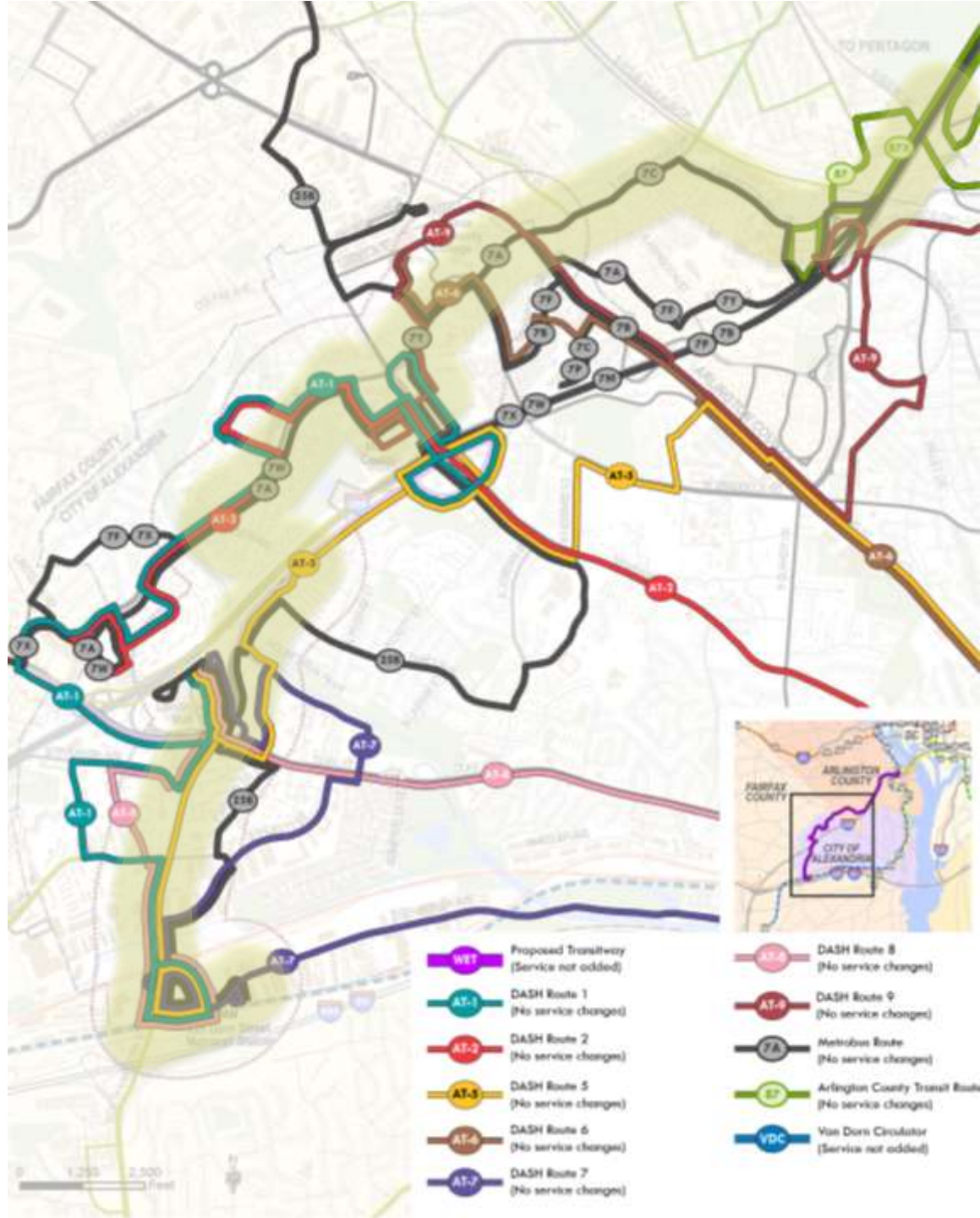
- Red Route – 15 peak/15 midday
- Blue Route – 7.5 peak/15 midday
- Combined – 5 peak/7.5 midday

### *Service to Pentagon:*

- Green Route – 7.5 peak/15 midday
- Blue Route – 7.5 peak/15 midday

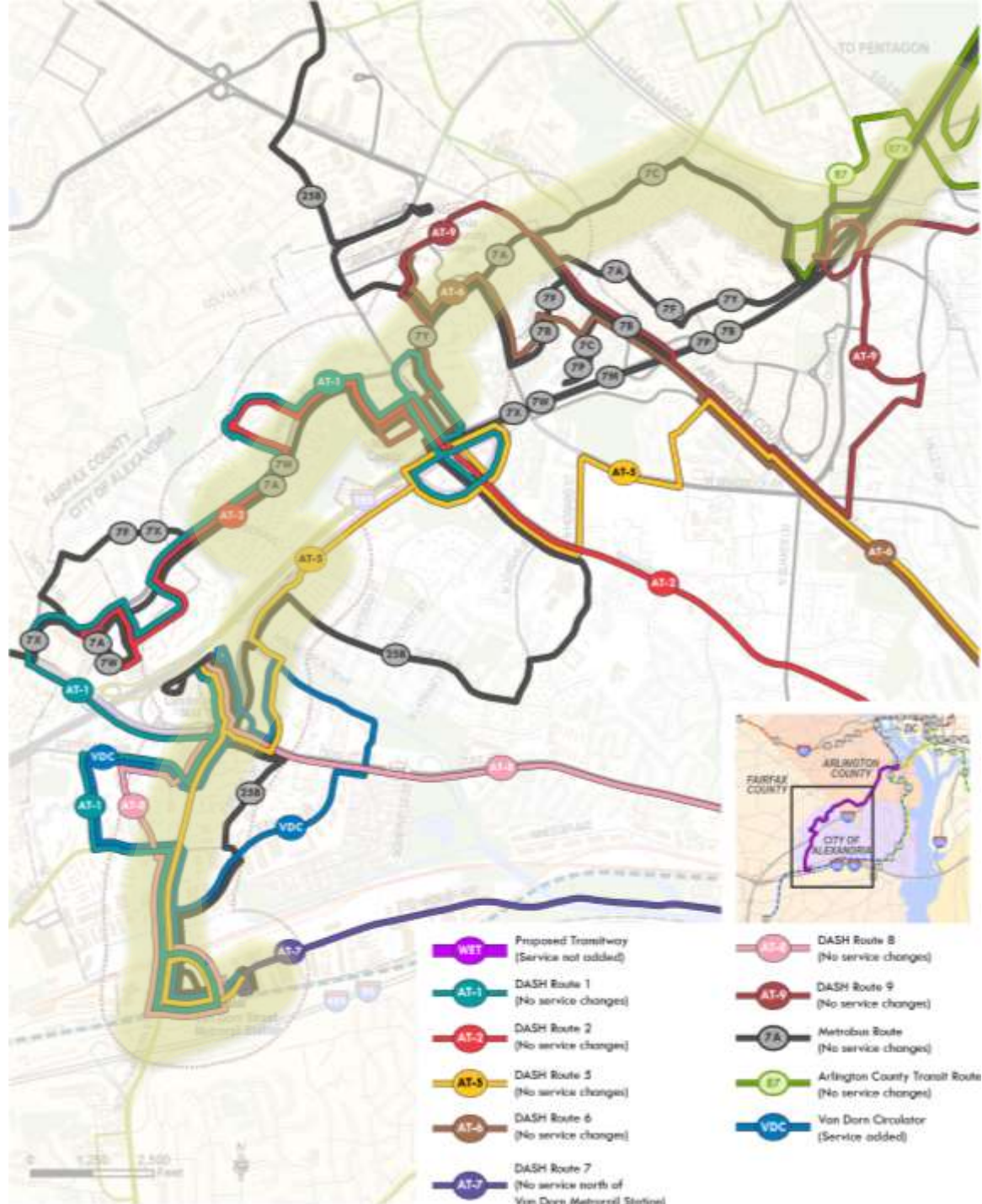


# 2015 No Build Transit Service



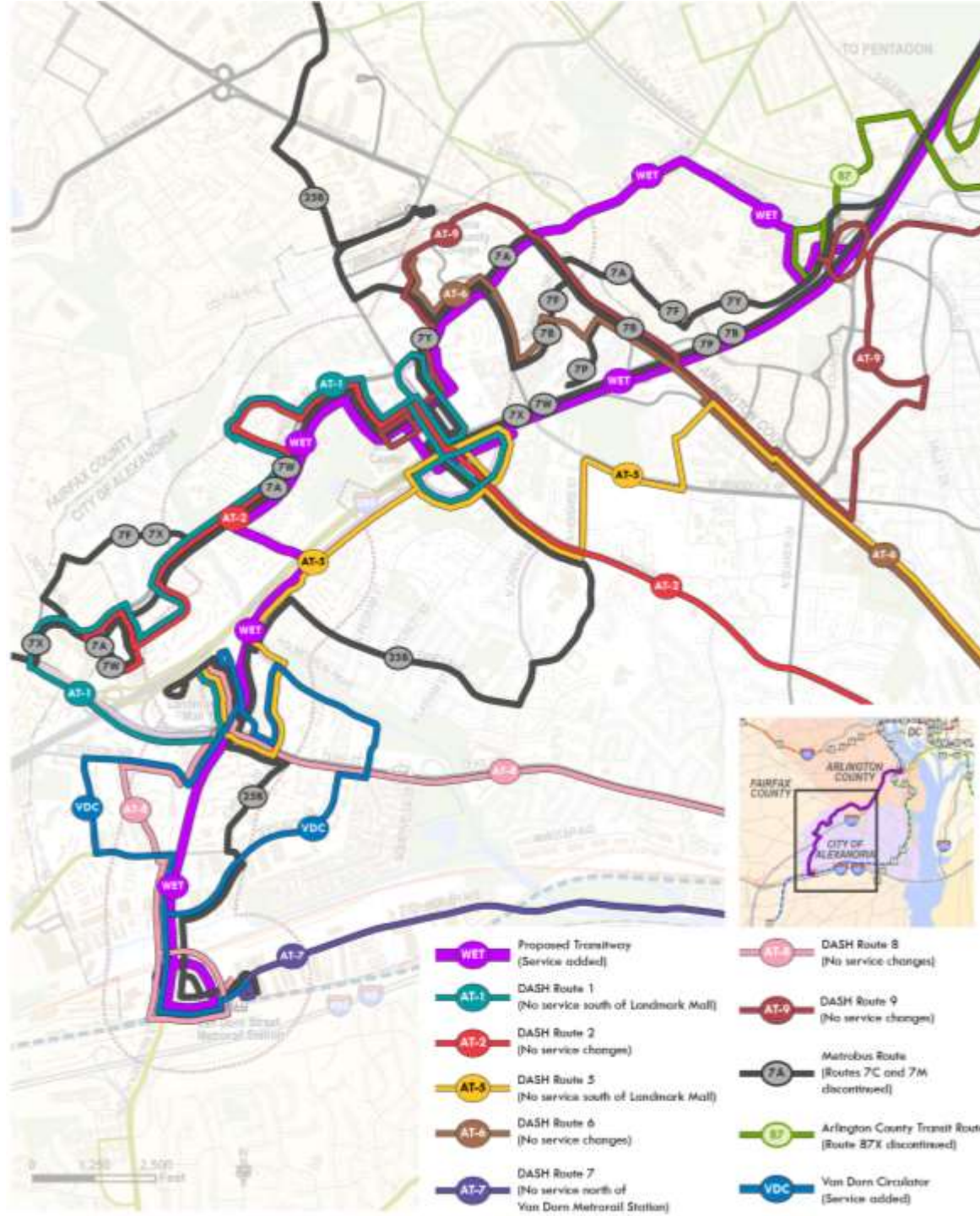
WEST END TRANSITWAY

# 2035 No Build Transit Service



WEST END TRANSITWAY

# 2015 and 2035 TSM and Build Transit Service



WEST END TRANSITWAY

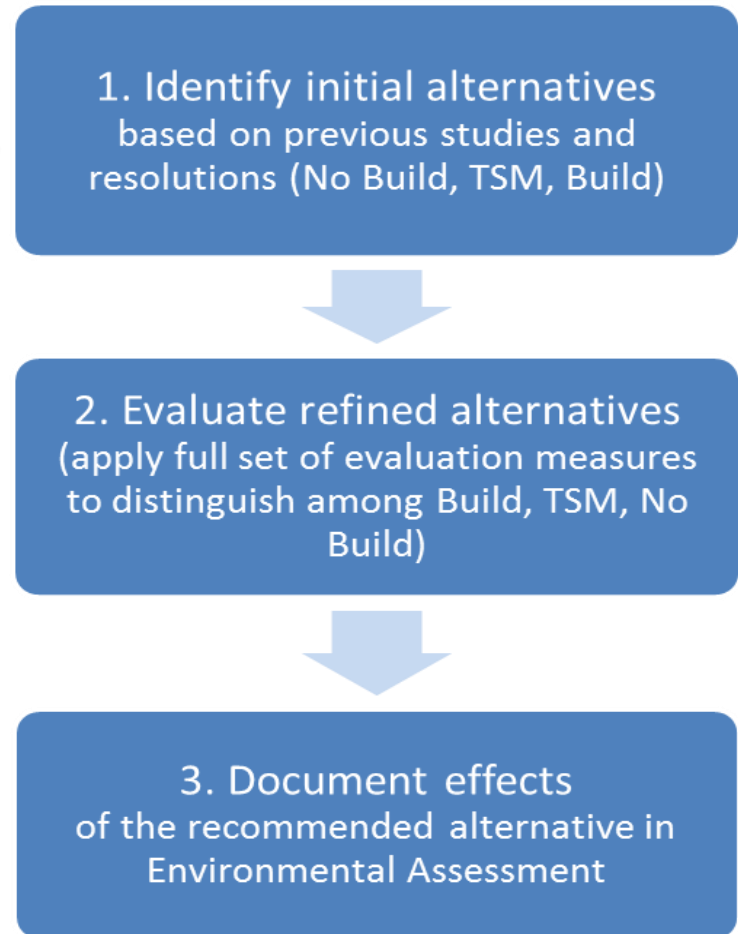


# 3

# EVALUATION MEASURES



- Evaluation measures needed to determine performance of alternatives
- Performance of alternatives will determine Locally Preferred Alternative
- Effects of Locally Preferred Alternative will be documented in the Environmental Assessment



# DRAFT EVALUATION MEASURES

## Transit

- Ridership
- Coverage
- Transit Connectivity
- Transit Operations

## Traffic Operations

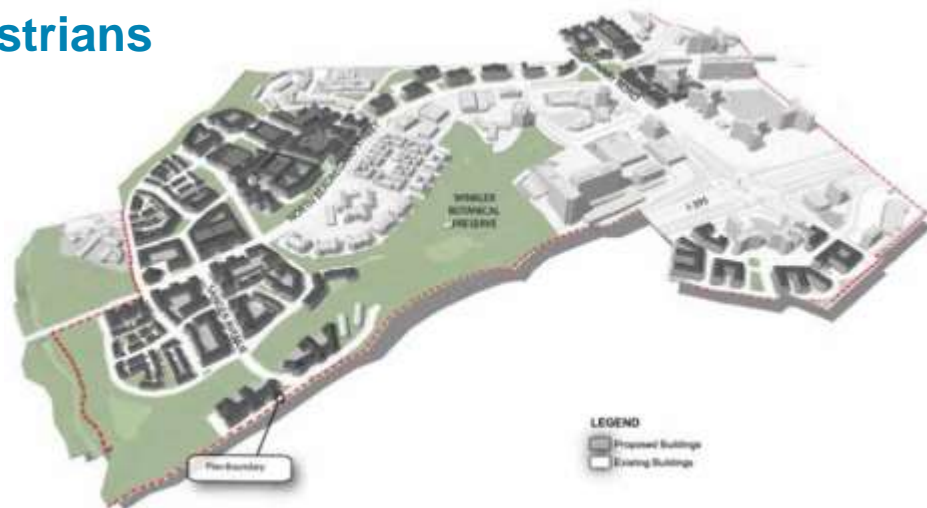
- Intersection LOS/Delay
- Intersection Queuing
- Vehicular Travel Time

## Bicycles and Pedestrians

## Land Use

## Financial

## Environmental



# 4 NEXT STEPS



# AA and EA | NEXT STEPS

## October 2014

- Evaluation of Alternatives and Revised Definition of Alternatives
- Public Meeting October 22, 2014 at 6:30 p.m.
- **PAG Meeting** October 23, 2014 at 7:00 p.m.

## November 2014

- Build Alternative Concept Engineering
- **PAG Meeting** Date TBD

## December 2014

- Alternatives Analysis Report
- Request to Enter Project Development

Thank you!

[www.alexandriava.gov/WestEndTransitway](http://www.alexandriava.gov/WestEndTransitway)

