

City of Alexandria, Virginia

Route 1 Rapid Transit-

City Council Hearing
May 12, 2012



Previous City Council Action



- April 2006, amended Master Plan to add Crystal City/Potomac Yard (CCPY) Transitway
- On June 5, 2007, the Planning Commission recommended the following in relation to the Route 1 transit corridor:
"Route 1-Jefferson Davis Highway shall be designated as a transit corridor...The final- type and design of any future dedicated transit service shall require approval by the Planning Commission and City Council. Any future transit lanes should maintain the character of Route 1 as an urban boulevard with a continual median, trees and street trees, and shall be reserved in perpetuity for exclusive public transit use."

Previous Approvals



- April 2006, amended Master Plan
 - Median transit facility for BRT usage
 - 2 lanes with landscaped medians
- Coordinated Development District (CDD) #10 and #19
 - Roadway access to/from Route 1
- Potomac Yard Urban Development Guidelines
 - Widths of streets, connection points
- City Council Approval of the Bus Rapid Transit in Route 1 (April, 12, 2011)
- Planning Commission Approval of Design Elements (May, 2012)

Route 1 Today

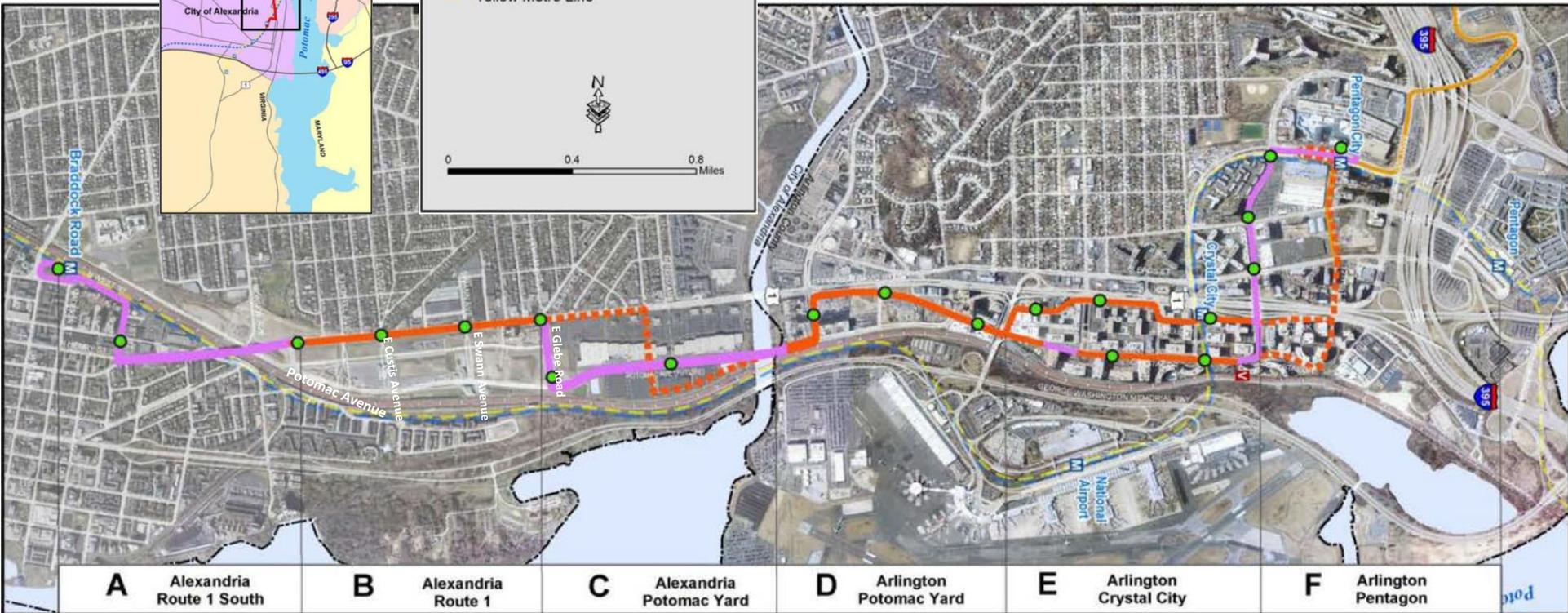


Overview



Legend

- Station Stop
- VRE Station
- Metro Station
- Dedicated Lanes for Transit
- Transit Vehicles in Mixed Traffic
- - - Future Alignment
- Columbia Pike Streetcar
- VRE Railroad
- Blue Metro Line
- Yellow Metro Line

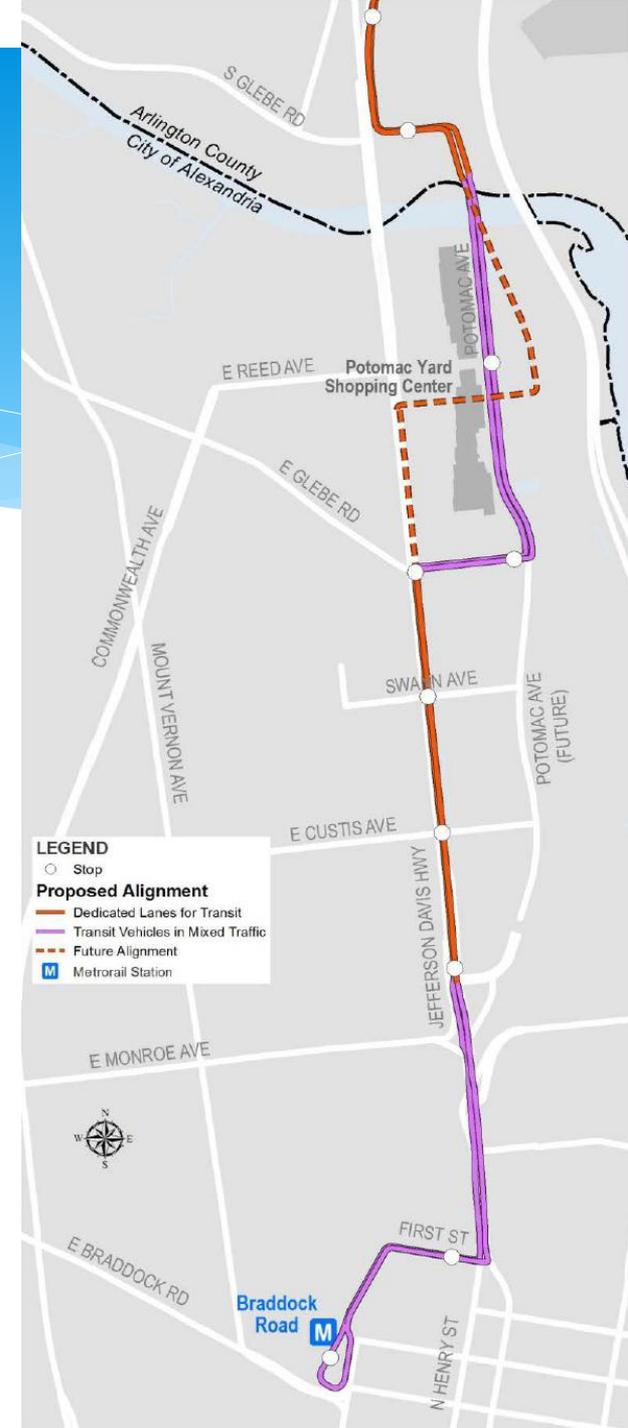
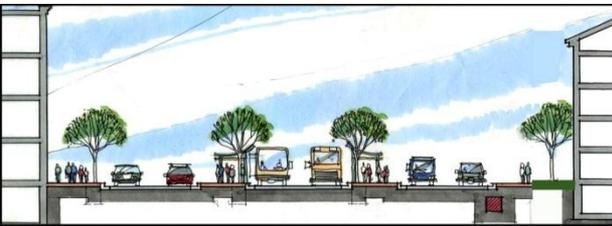


A Alexandria Route 1 South **B** Alexandria Route 1 **C** Alexandria Potomac Yard **D** Arlington Potomac Yard **E** Arlington Crystal City **F** Arlington Pentagon

Project Specifics

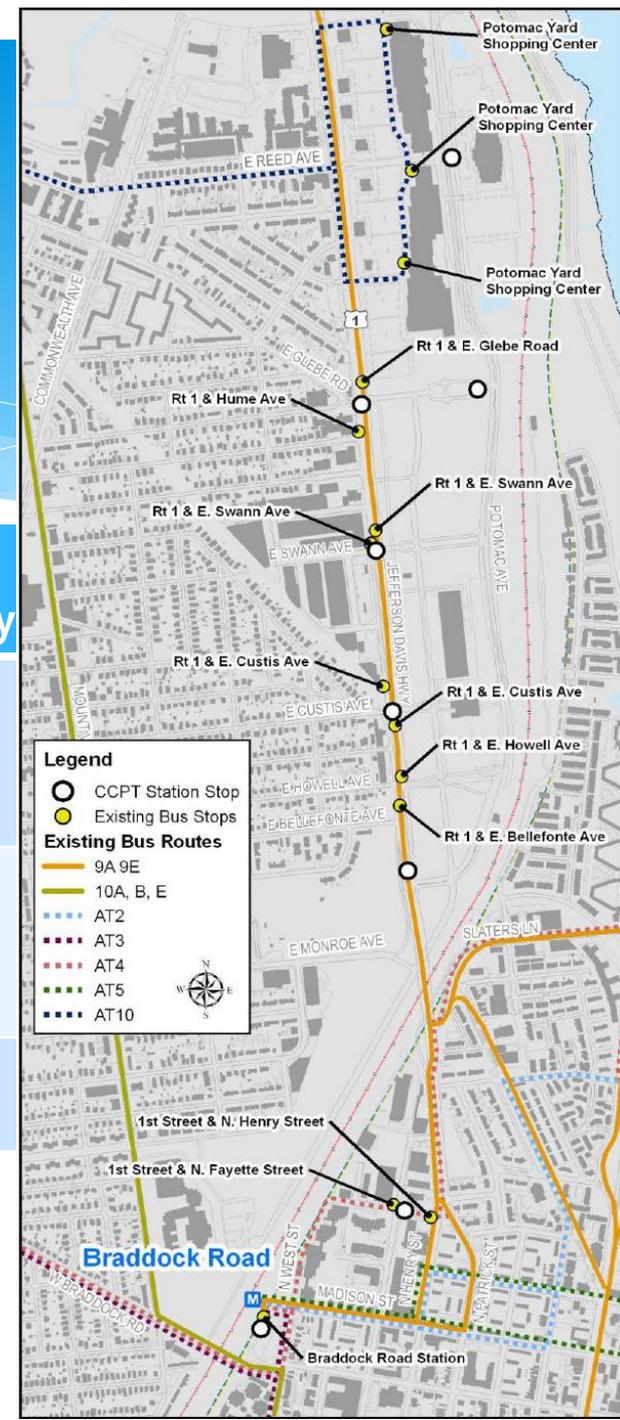
- **Route 1**
 - Northbound widened by Potomac Yard Developer
 - Existing northbound lanes repurposed to transit lanes
 - Southbound lanes remain untouched
- **2-lane transit-only corridor. 12-foot landscaped medians on either side. Medians taper to allow left-turn lanes at signalized intersections.**
- **7 stations within section**
 - East Glebe Rd – SB only (NB located in Potomac Yard)
 - East Swann Avenue – two stations – far side
 - East Custis Avenue – two station – far side
 - Potomac Avenue – two stations – both on north side of intersection.

- **Station design under separate contract**



Routes Utilizing Transitway in Alexandria

Route	Headway (Peak/Off, Wknd)	Currently Utilizing	Current Ave Riders/ Weekday
9A/9E	30/30/30	Curb along Route 1	1,550 400 (within transitway)
9S	6/15/20	Curb – will be extended to Potomac Yard	1,800 (all within transitway)
9X (New Service)	12/15/20	BRT lanes	--





Land Use



Legend

- Metro Location
- BRT Station

BRT Route

- Dedicated Lanes
- - Future Alignment
- In Traffic

Walksheds

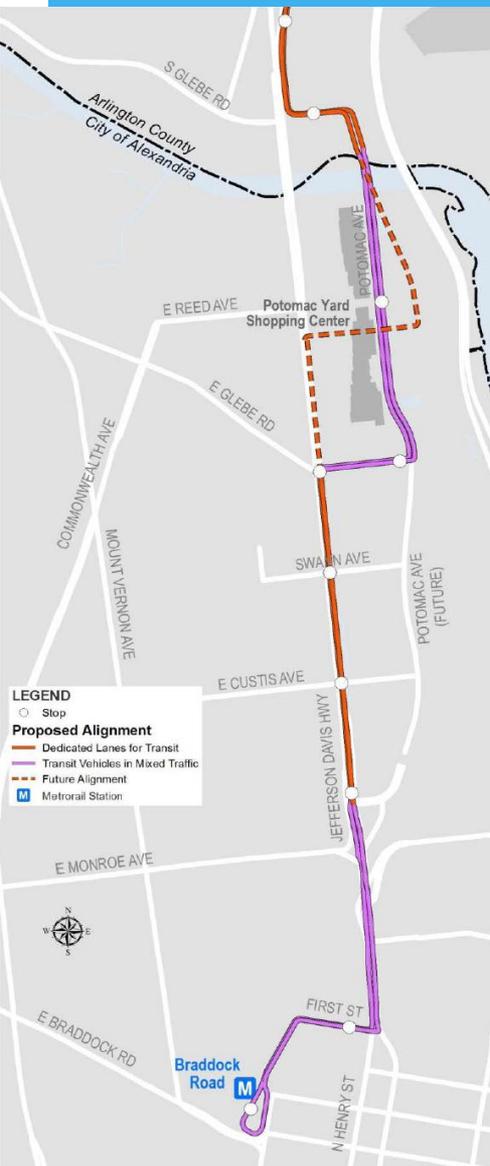
- - - Quarter Mile BRT Walkshed
- - - Quarter Mile Metro Walkshed
- - - Half Mile Metro Walkshed

Land Use

- Hotel
- Municipal
- Office
- Office - Residential
- Residential
- Open Space
- Retail



Design - Build Contracts

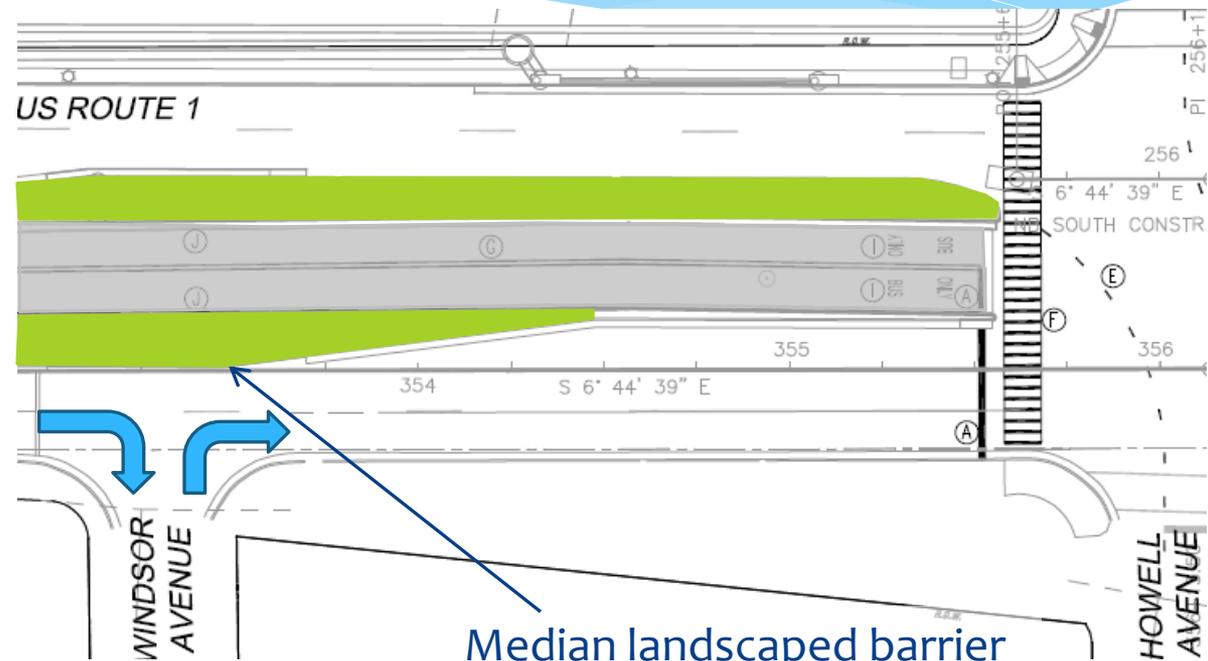


- Allows for single point of contact for design and construction of the facility.
- Allows for acceleration of design and construction process.
- Contractor has direct input into the design phase – minimizes re-work during construction phase.

Access to/from Route 1



- Right-in/Right-out will be required at:
 - Hume Avenue
 - Raymond Avenue
 - Calvert Avenue
 - Fannon Street
 - Windsor Avenue
 - Bellefonte Ave
- Emergency Services can utilize BRT lanes



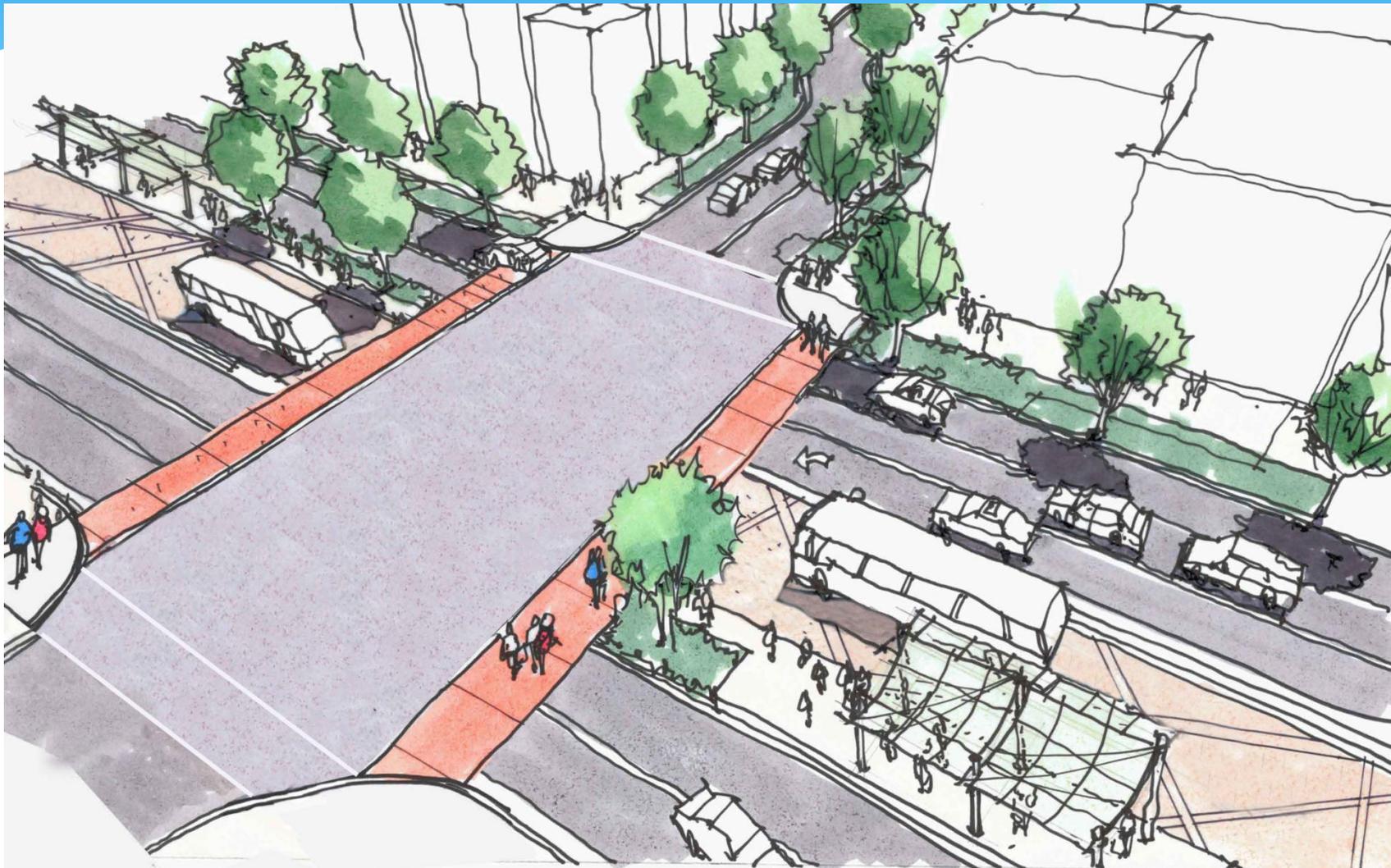
Median landscaped barrier along Route 1 necessitates right-in/right-out from Windsor Ave

Elements of the Project

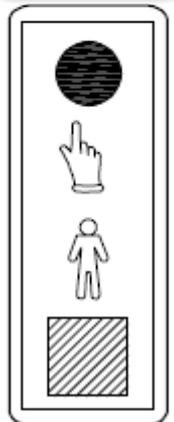


- Median dedicated Bus Rapid Transit (BRT) lanes providing service that is:
 - efficient
 - reliable
 - safe
- Pedestrian safety and accessibility
- Maintain urban boulevard character of Route 1
- Maintain adequate traffic flow on Route 1
- Provide environmentally and context-sensitive design elements
- Set a standard for future transitway(s) within City

Schematic of Route 1 in Vicinity of Transit Stops



Pedestrian Amenities



- Colored concrete crosswalks across Route 1
- High emphasis crosswalks on cross-streets to Route 1
- Countdown pedestrian signals
- High-visibility pedestrian-crossing signage
- Additional time allocated to pedestrians in the signal timing
- Additional lighting at stations
- Landscaping to direct pedestrians to use crosswalks
- Way-finding signage at the stations

Lighting



- Concentrated at station locations and crosswalks.
- Along transitway, minimal additional lighting.
Proposed double acorn lights if needed.
- Lighting at stations to be at 2.0 luminosity (same as parking lot lighting level).

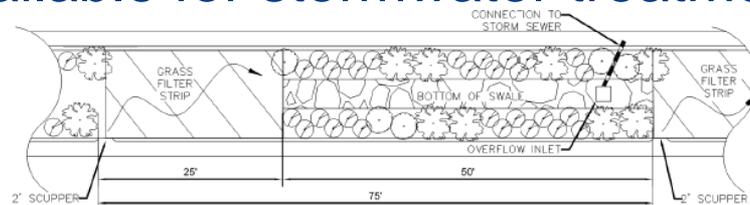


Stormwater

- Required by State Watershed Implementation Plan to treat as much stormwater as possible affecting Chesapeake Bay.
 - South of Maskell flowing to Pond 2
 - North of Howell flowing to Pond 3
 - Only small location available for stormwater treatment



←
Filtrera
installation



PLAN VIEW

NOTES:

- TYPICAL PLANTING SHALL BE APPROXIMATELY 85% HERBACEOUS SPECIES AND 15% SHRUB SPECIES.
- SHRUB SPECIES SHALL BE FROM TABLE 3.11-7B, RECOMMENDED PLANT SPECIES FOR USE IN BIORETENTION FROM THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK, WITH A HIGH TOLERANCE TO SALT AND A SPECIES FOUND IN THE COASTAL PLAINS.
- HERBACEOUS SPECIES SHALL BE FROM TABLE 3.11-7C, RECOMMENDED PLANT SPECIES FOR USE IN BIORETENTION FROM THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK, WITH A HIGH TOLERANCE TO SALT.

PLANTING LEGEND	
	SHRUB
	GRASS TYPE 1
	GRASS TYPE 2



Next Steps

- City Council Public Hearing and Approval of Design Elements – May 12, 2012
- Construction Scheduled to Begin in July, 2012
- Opening of Route 1 BRT Between Potomac Avenue and East Glebe Road in December, 2013.



For more information on this project or other capital or planning projects in Potomac Yard:

www.alexandriava.gov/potomacyard



THANK YOU

COMMENTS / QUESTIONS?