

Agenda

- Parks, Trails, and Pedestrians
- Schedule
- Cost Effectiveness Numbers
- Planning Board - July 24
- Silver Spring Transit Center

Bicycle Coordinator Reviews

- Functional Design
- Safety
- Aesthetics
- Comfort
- ADA Compliance
- Section 4 (f) Impacts

Functional Design

- Consistent with AASHTO
- Adequate access points
- Purple Line and Trail as a barrier
- Bridge/overpass designs

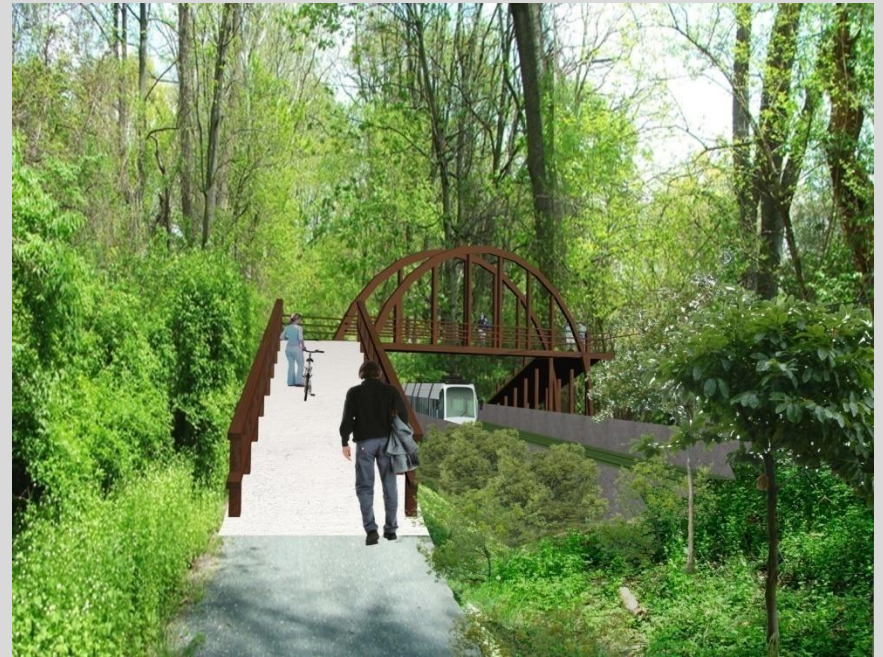
Safety

- Lateral and vertical clearance
- CPTED
- Lighting
- Proximity of trees
- Barriers



Aesthetics

- Signing
- Landscaping
- Viewsheds



Comfort

- Rest stops
- Benches
- Water Fountains
- Bike Parking
- Gravel Path



ADA Compliance

- Where applicable (access ramps and bridges), ensure compliance with ADA
- Where possible comply with ADA Best Practices
- Wide ramps at all driveways and roadway crossings

Section 4(f) Impacts

MCDOT owns the right of way in fee simple for the transitway where it crosses Rock Creek, so 4f does not apply; ROW is 225' wide, which should not only be able to accommodate the transitway, but also the planned switchback trail down to Rock Creek Trail as well

- Even if switchback trail cannot fit within the ROW, and parkland will be impacted, it's possible in this case that the facility could be considered a parkland improvement rather than an impact, since it serves a recreation purpose not just transportation

Section 4(f) Impacts

Where the Purple Line crosses Sligo Creek at Wayne Avenue, 4f may apply:

- State must identify strategies to avoid, minimize, and mitigate harm to the property
- Mitigation varies by project and is negotiated later in the EIS process
- Purple line trail improvements, like the switchback issue for Rock Creek, could be considered parkland improvements (access to Sligo Creek Trail and Parkway), therefore 4f impacts may not apply. But this needs to be negotiated between State and the Department of Parks.

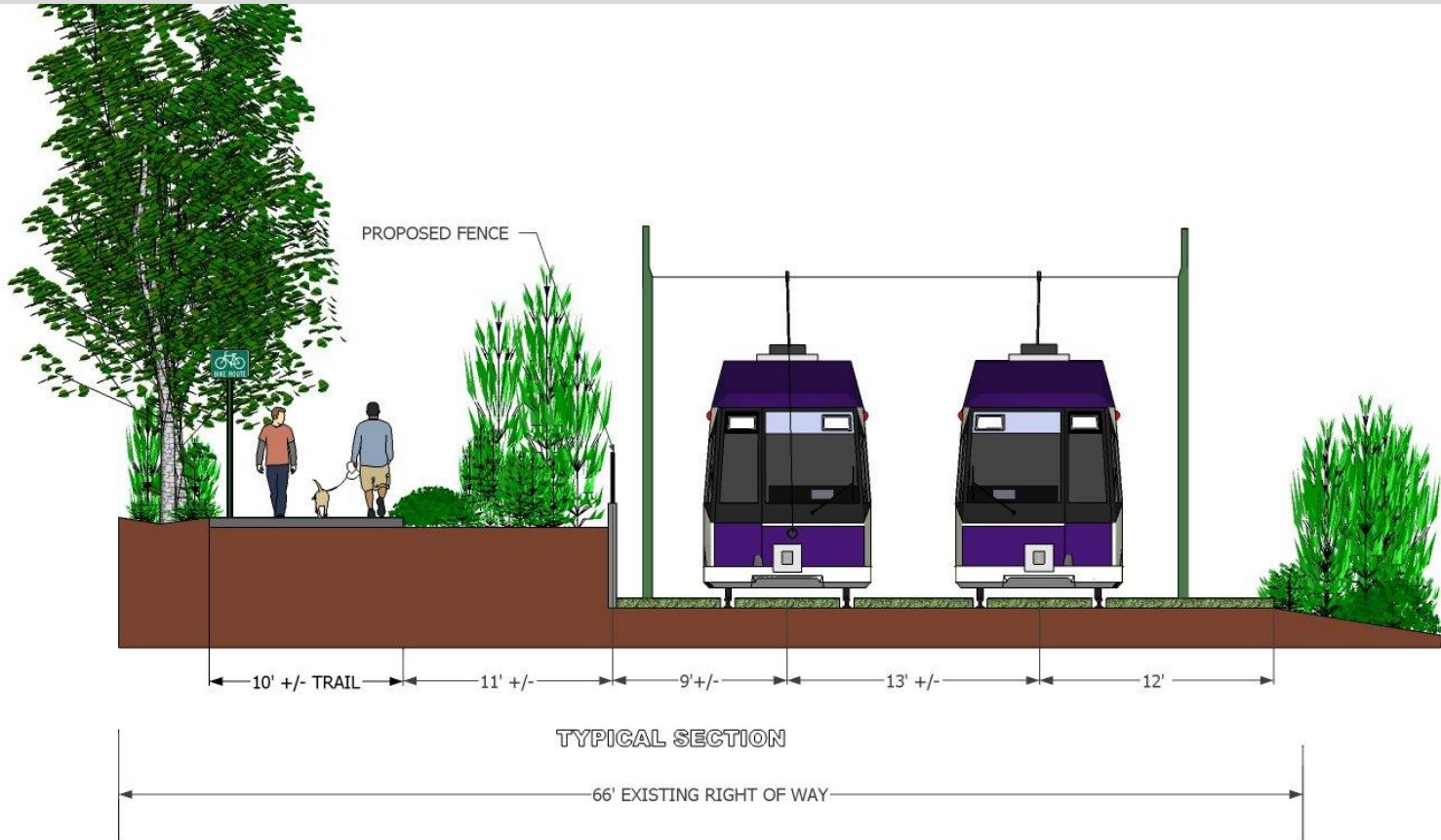
Figure 2-4

Existing, Planned and Proposed Countywide Bikeways Routes SR-10 and SR-11



Bethesda CBD Countywide Functional Master Plan Bikeways

Trail – Typical Section for 66' ROW



Trail – Isometric View



Trail Access & Crossings – Riviera

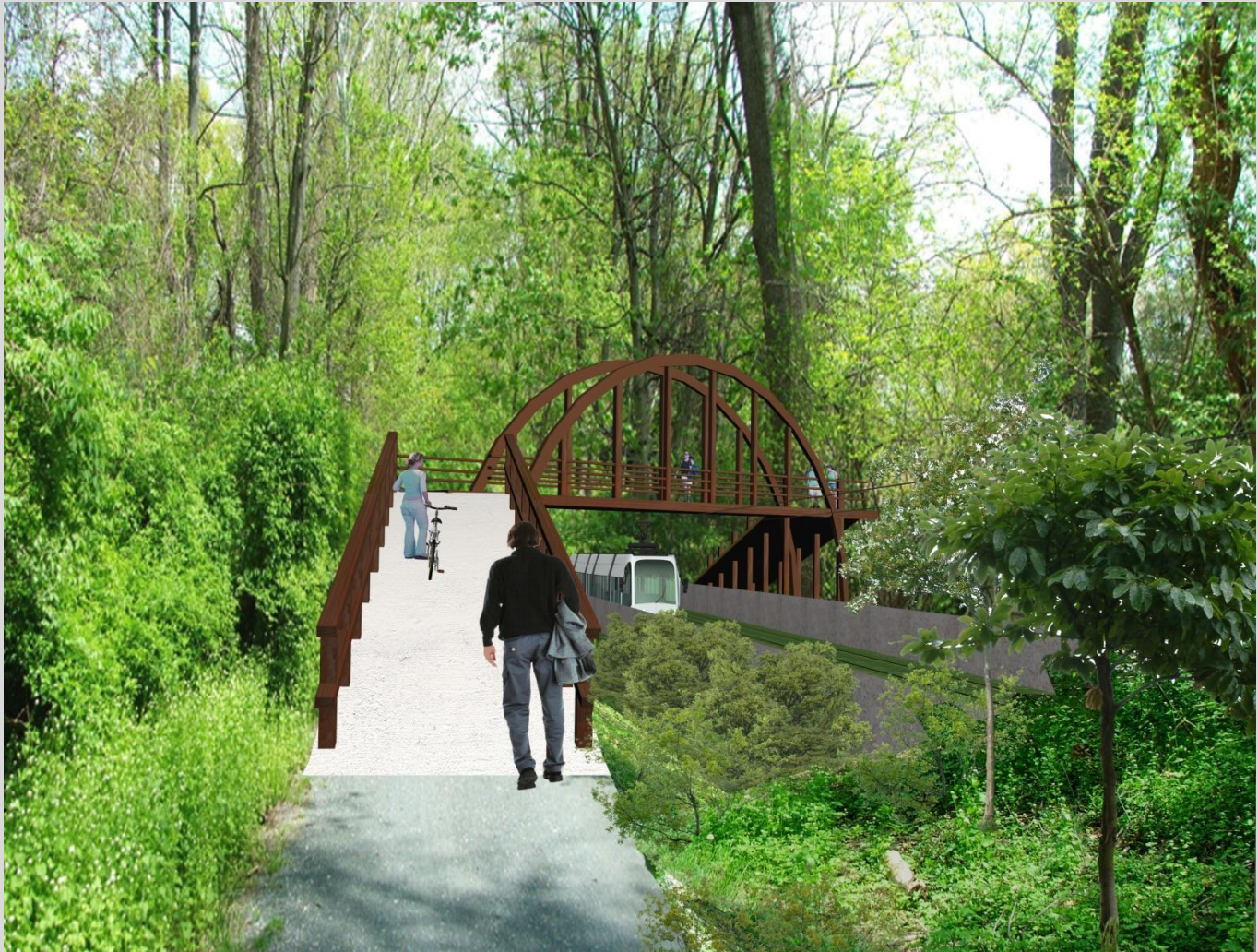


(pedestrian crossing west of East West Hwy)

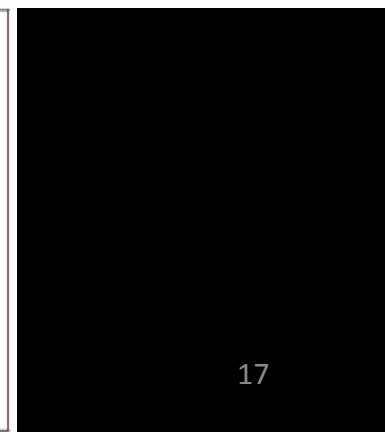
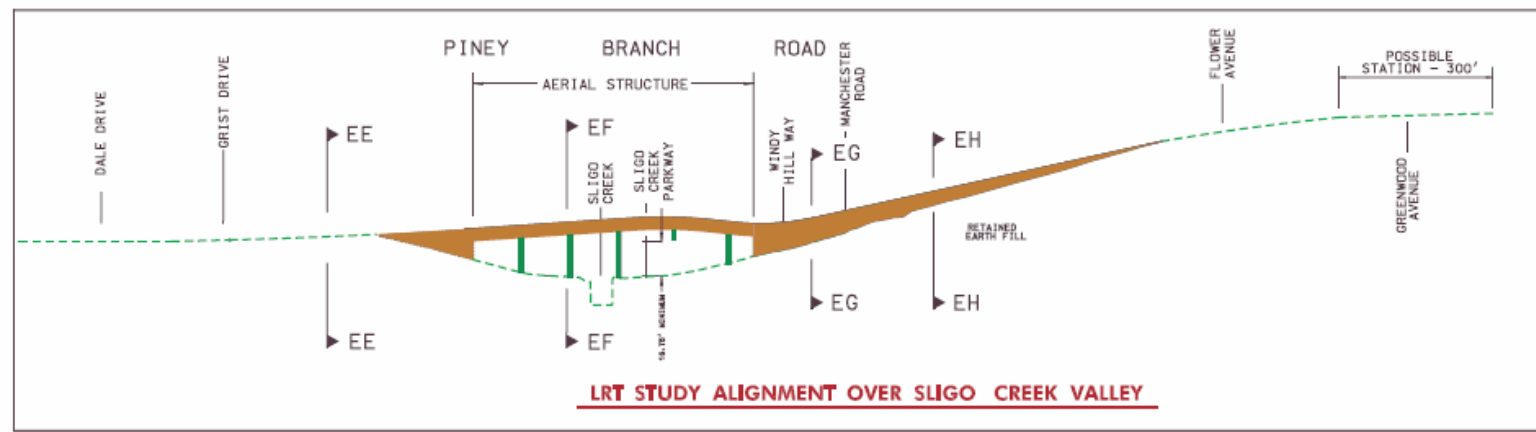
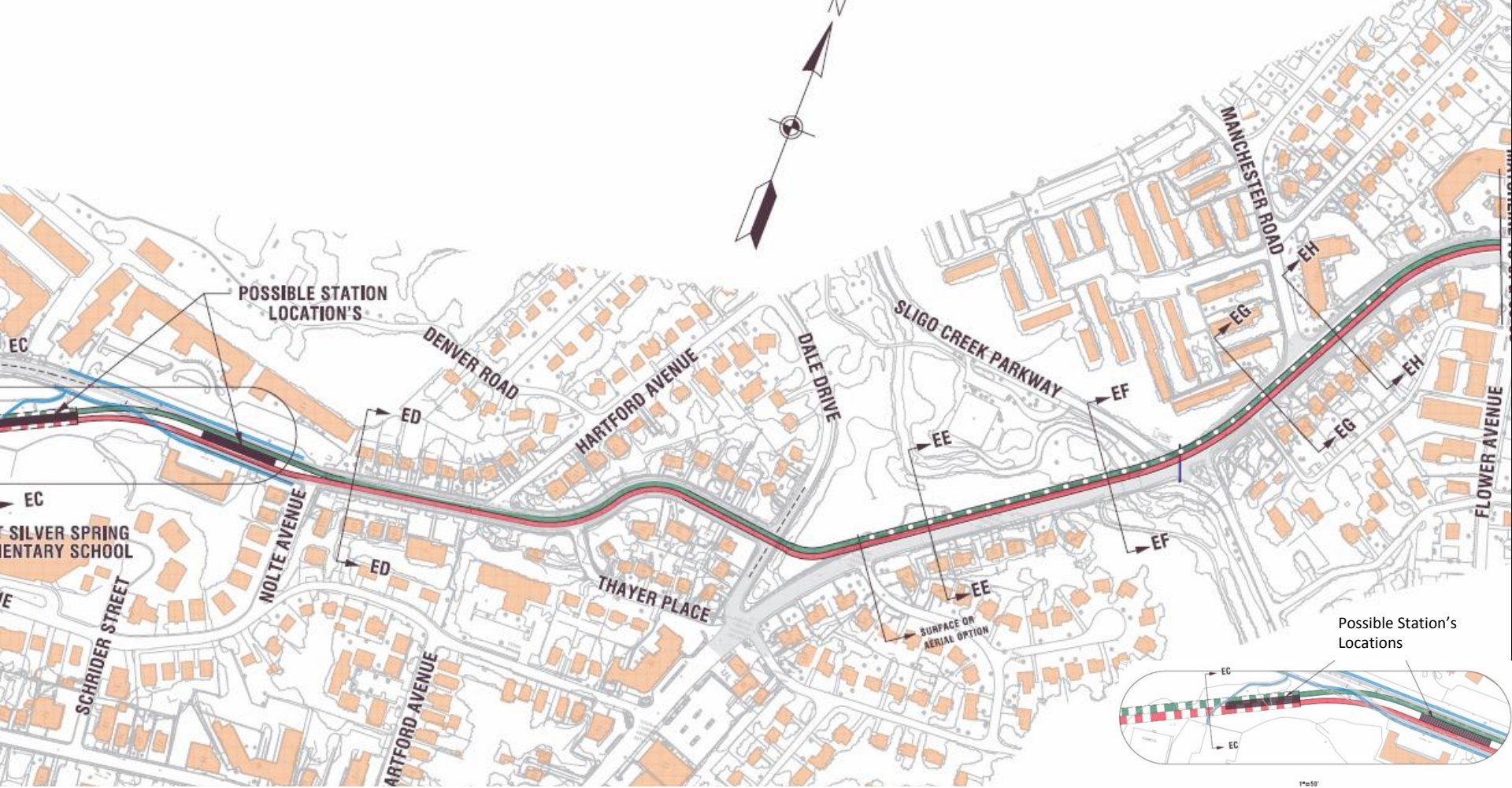
Trail Access & Crossings – Sleaford Rd

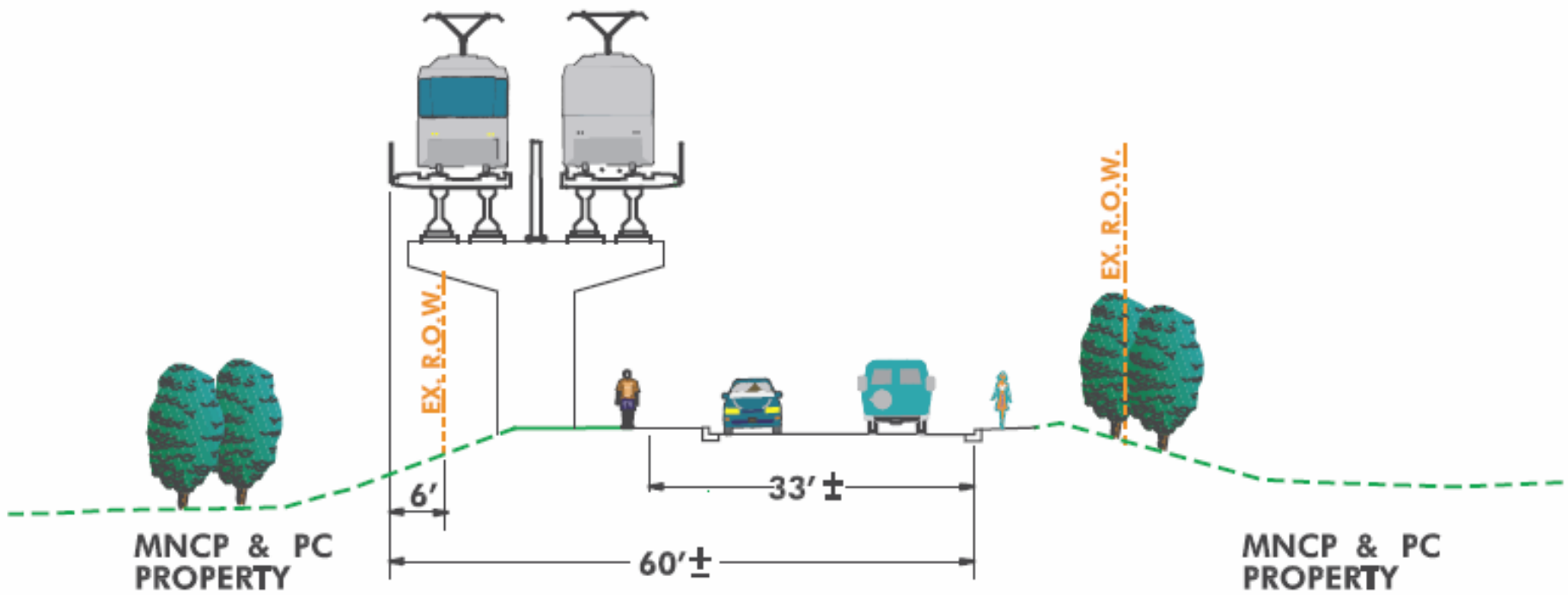
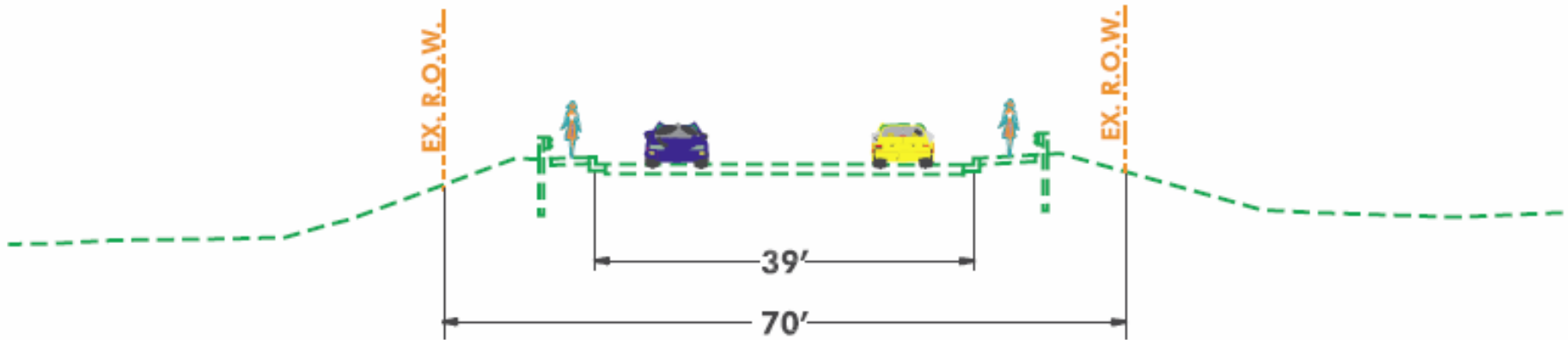


Trail Section – West of Jones Mill Rd



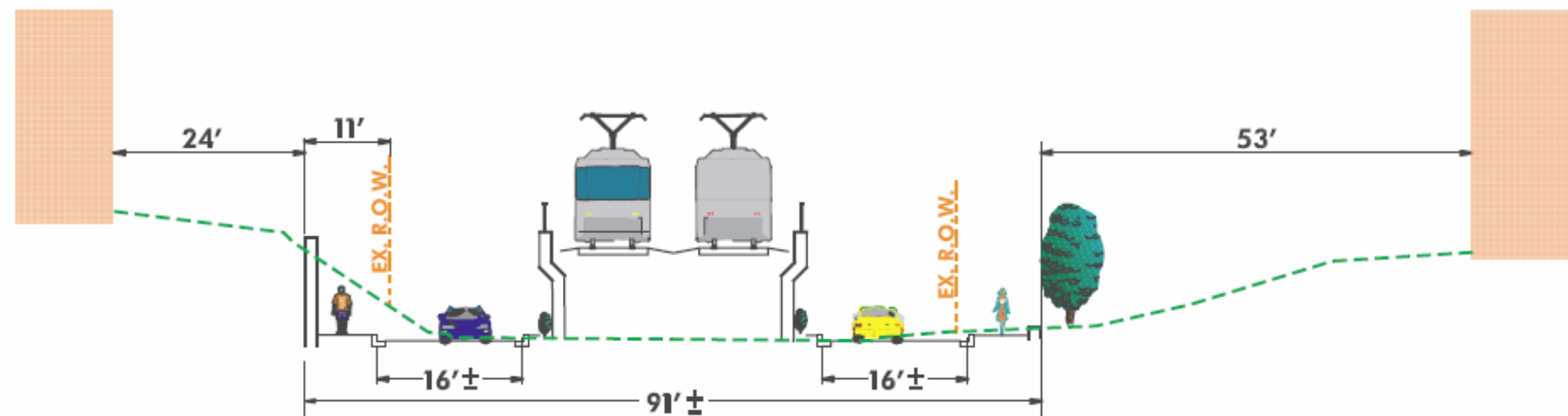
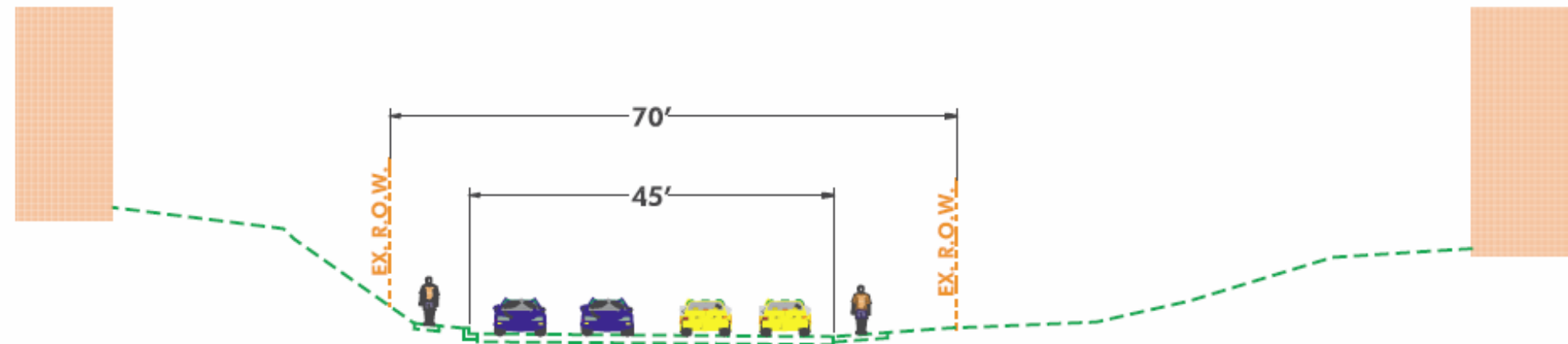
(overhead pedestrian crossing)



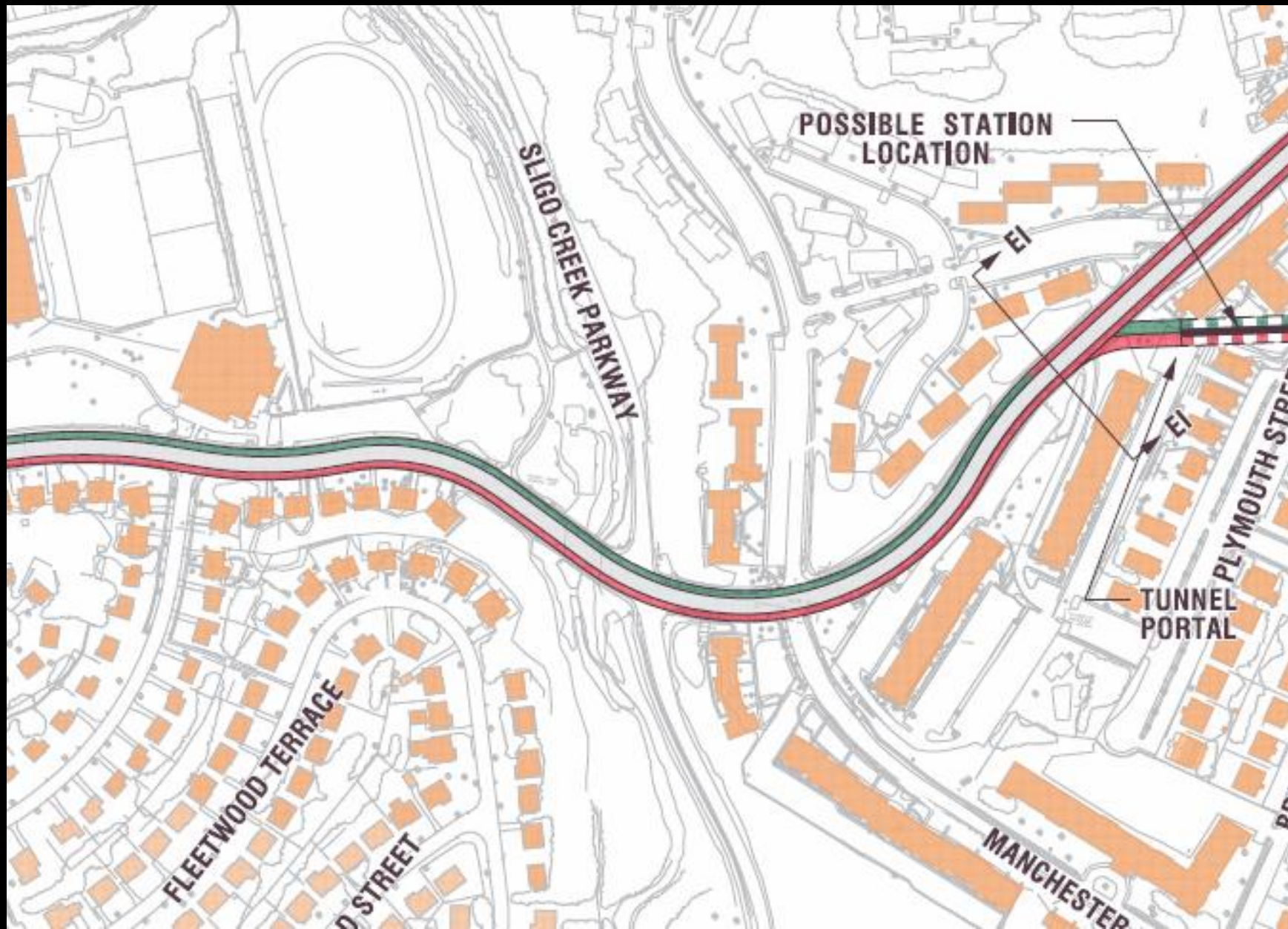


SECTION EF – EF

LRT/BRT – STUDY ALIGNMENT



SECTION EG - EG
LRT/BRT - STUDY ALIGNMENT



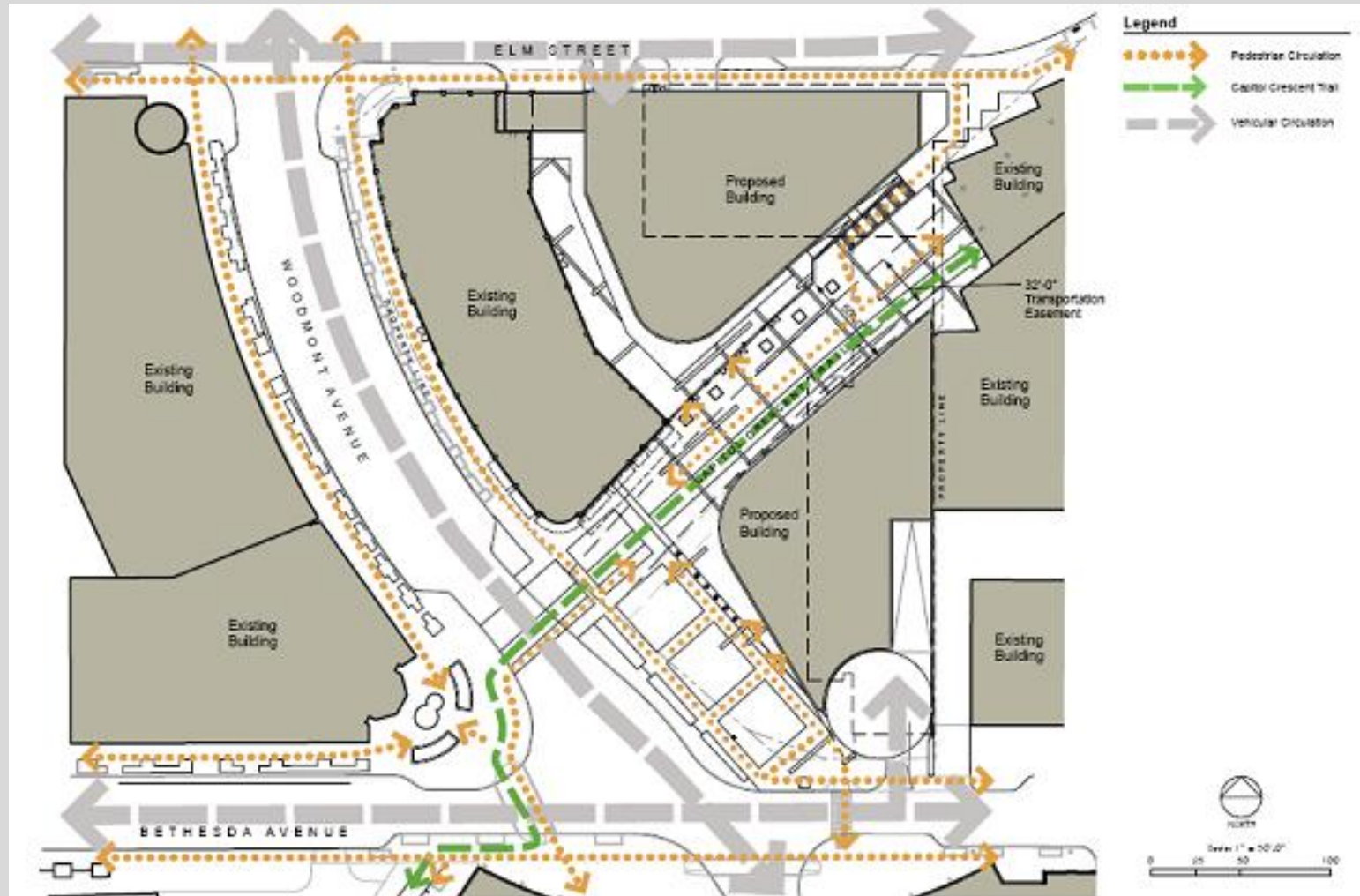
TRANSIT CENTERS

WOODMONT EAST

SILVER SPRING

TAKOMA-LANGLEY

Woodmont East Circulation Plan



**SILVER SPRING
TRANSIT CENTER**







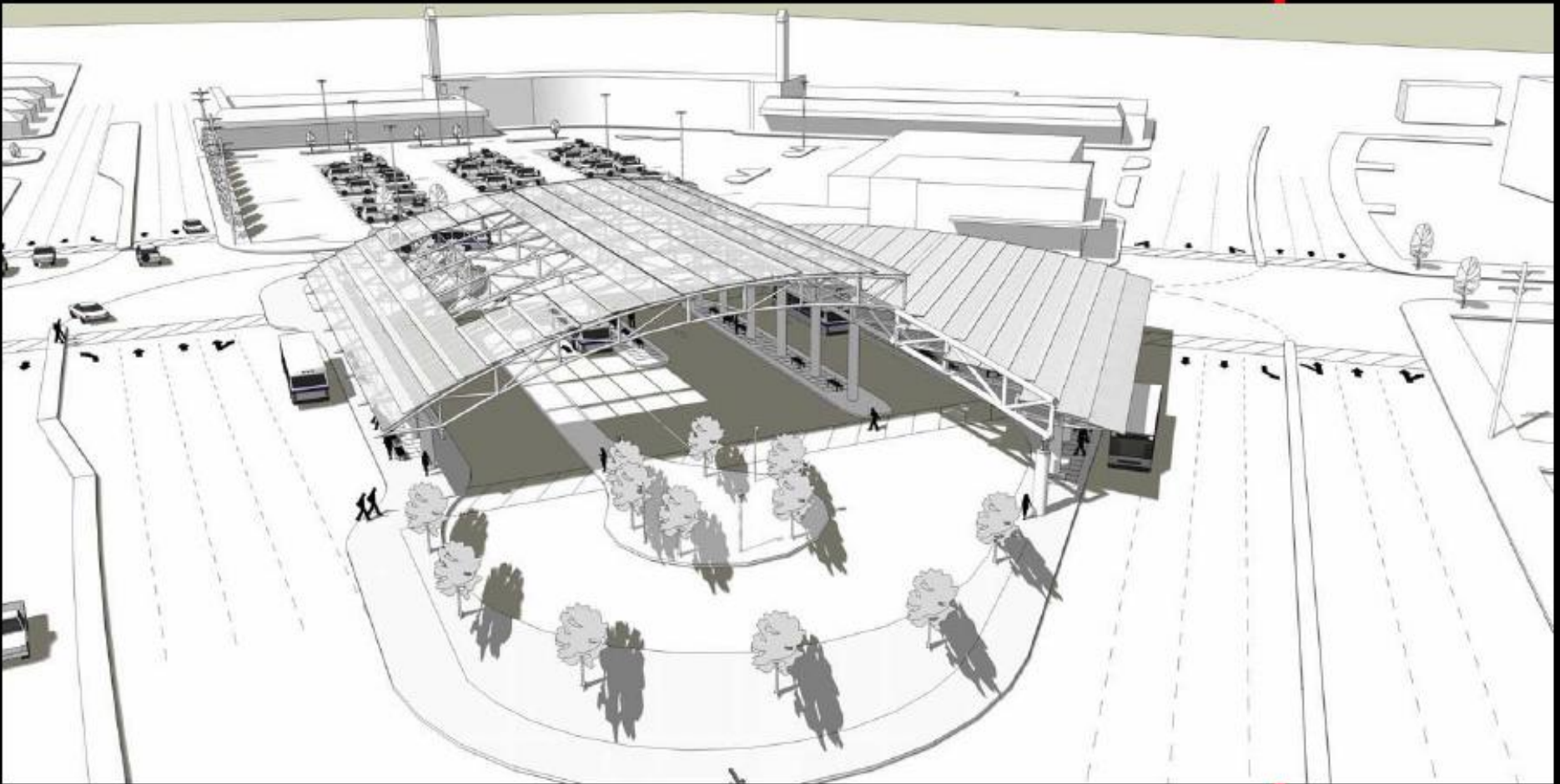






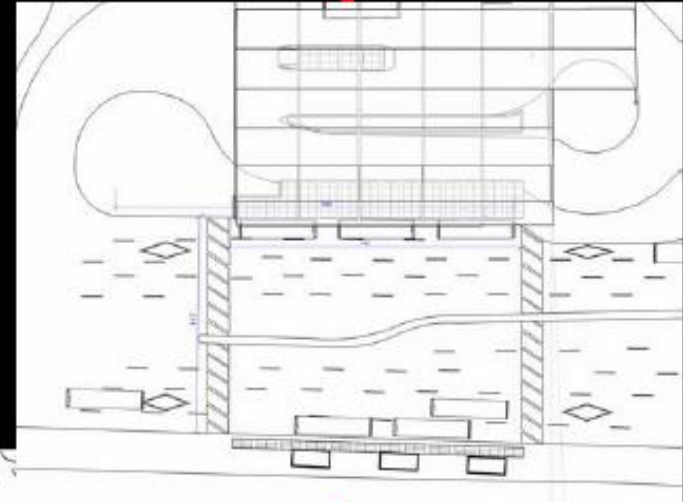
TAKOMA-LANGLEY TRANSIT CENTER

Model View

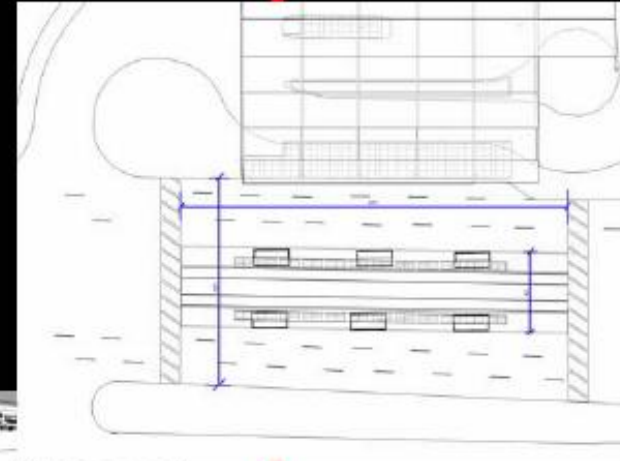




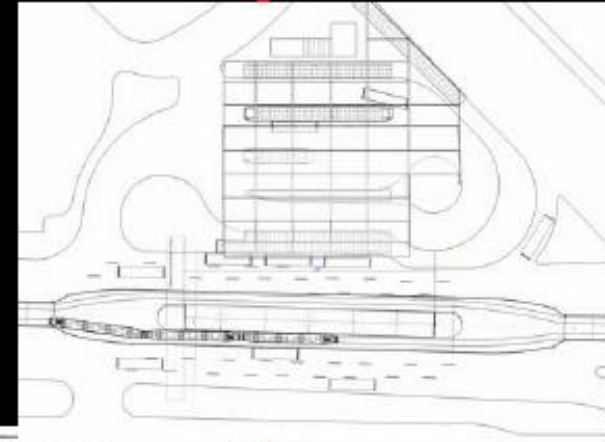
- Coordination with Purple Line (BRT)



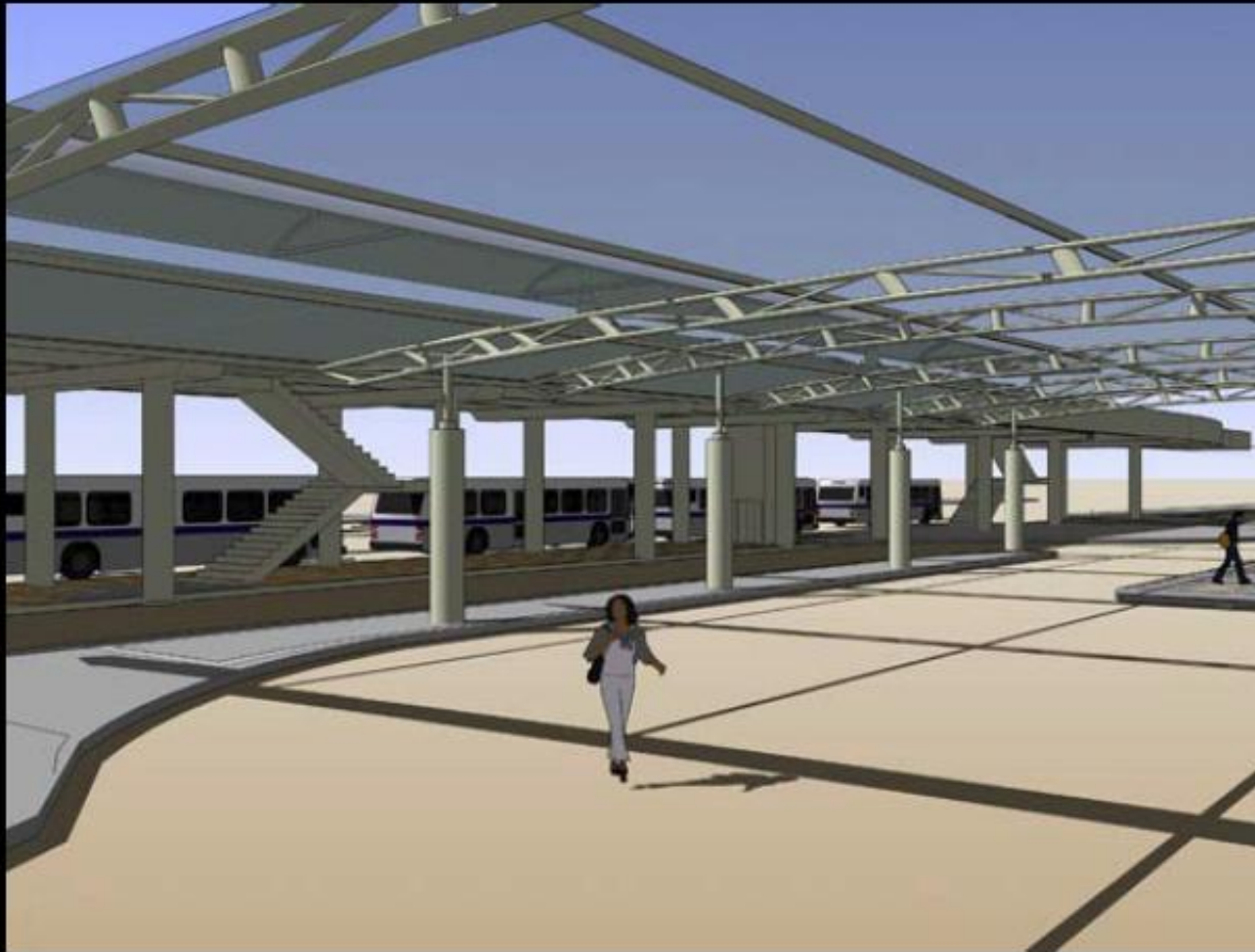
- Coordination with Purple Line LRT




























Coordination with Purple Line LRT Elevated



Coordination with Purple Line LRT Elevated



| WEEK | | | | | | | | |
|----------------------------|--|--|------------------------|---------------------|------------------------------------|--------------------------------------|---|--------------------------------|
| BEGINNING | MTA - PURPLE LINE STAFF | PLANNING DEPT STAFF - PL ACTIVITIES | MPAG | PLANNING BOARD | COUNCIL - ESTIMATE & NOT CONFIRMED | EXECUTIVE - ESTIMATE & NOT CONFIRMED | NOTES ON PL ACTIVITIES | |
| Monday, July 14, 2008 |  | | | | | | | |
| Monday, July 21, 2008 | | Meeting 07/22/08 | Meeting 07/22/08 | | | | Focus On Parks / Bike / Ped | |
| Monday, July 28, 2008 | | | | | | | | |
| Monday, August 04, 2008 | | Meeting 08/05/08 | Meeting 08/05/08 | | | | Focus On Operating Plan, Ridership & Other Area Experiences | |
| Monday, August 11, 2008 | | | | | | | | |
| Monday, August 18, 2008 | | Meeting 08/19/08 | Meeting 08/19/08 | | | | TBD - May Be Cancelled | |
| Monday, August 25, 2008 | | | | | | | | |
| Monday, September 01, 2008 |  | Meeting 09/02/08 | Meeting 09/02/08 | | | | Focus On Noise & Vibration / Operating Plan | |
| Monday, September 08, 2008 | | | | | | | | |
| Monday, September 15, 2008 | | DEIS/AA Available - Estimated Date | Meeting 09/16/08 | Meeting 09/16/08 | | | | Initial MPAG Review of DEIS/AA |
| Monday, September 22, 2008 | | | | | | | | |
| Monday, September 29, 2008 | | Meeting 09/30/08 | Meeting 09/30/08 | | | | Second MPAG Review of DEIS/AA | |
| Monday, October 06, 2008 | | First Staff Draft Memo Available 10/06/08 | | | | | | |
| Monday, October 13, 2008 | | Meeting 10/14/2008 | Meeting 10/14/2008 | | | | Initial MPAG Review Of Staff Memo | |
| Monday, October 20, 2008 | | Second Staff Draft Memo Available 10/20/08 | | | | | | |
| Monday, October 27, 2008 | | Meeting 10/28/08 | Meeting 10/28/08 | | | | Final MPAG Review of Staff Memo | |
| Monday, November 03, 2008 | DEIS/AA Public Hearing - Estimated Date | DEIS/AA Public Hearing | DEIS/AA Public Hearing | | | | | |
| Monday, November 10, 2008 |  | Final Staff Memo Posted On Web Site 11/13/08 | | | | | | |
| Monday, November 17, 2008 | | Meeting 11/18/08 | Meeting 11/18/08 | | | | | |
| Monday, November 24, 2008 | | | | | | | | Thanksgiving Week |
| Monday, December 01, 2008 | | | PB Hearing 12/04/08 | PB Hearing 12/04/08 | PB Hearing 12/04/08 | | | |
| Monday, December 08, 2008 | | | | | | | | |
| Monday, December 15, 2008 | DEIS/AA Comment Period Ends - Estimated Date | | | | | | T&E Worksession 12/08/08 | |
| Monday, December 22, 2008 | | | | | | | Full Council Review 12/16/08 | |
| Monday, December 29, 2008 | | | | | | | | |

| WEEK | | | | | | | |
|---------------------------|---|--|---|---|---|--|---|
| BEGINNING | MTA - PURPLE LINE STAFF | PLANNING DEPT STAFF - PL ACTIVITIES | MPAG | PLANNING BOARD | COUNCIL - ESTIMATE & NOT CONFIRMED | EXECUTIVE - ESTIMATE & NOT CONFIRMED | NOTES ON PL ACTIVITIES |
| Monday, January 05, 2009 |  |  |  |  | | | |
| Monday, January 12, 2009 | | | | | | | |
| Monday, January 19, 2009 | | | | | | | |
| Monday, January 26, 2009 |  |  |  |  | | | |
| Monday, February 02, 2009 | | | | | | | |
| Monday, February 09, 2009 | | | | | | | |
| Monday, February 16, 2009 | | | Meeting - 02/11/09 | | | | MPAG Reviews LPA Selection - Identifies Remaining Issues For Functional Plan |
| Monday, February 23, 2009 | | |  |  | | | |
| Monday, March 02, 2009 | | | | | | | |
| Monday, March 09, 2009 | | Initial Staff Draft of Functional Plan | | | | | |
| Monday, March 16, 2009 | |  |  |  | | | |
| Monday, March 23, 2009 | | | | | | | |
| Monday, March 30, 2009 | | | | | | Meeting - 03/31/09 | |
| Monday, April 06, 2009 | | Finalize Staff Draft of Functional Plan |  |  | | | |
| Monday, April 13, 2009 | | | | | | | |
| Monday, April 20, 2009 |  | | | | | | |
| Monday, April 27, 2009 | | | | | | | |
| Monday, May 04, 2009 | | Submit New Starts Application - Earliest Estimated Date | |  | | | |
| Monday, May 11, 2009 |  | | PB Hearing - 05/14/09 | | PB Hearing On Functional Plan - 05/14/09 | | |
| Monday, May 18, 2009 | | | | | | | |
| Monday, May 25, 2009 | | | | | | | |
| Monday, June 01, 2009 | |  | |  | | | |
| Monday, June 08, 2009 | | | | | | | |
| Monday, June 15, 2009 | | | Finalize Planning Board Draft of Functional Plan | | | PB Forwards Final Draft Plan To Council & Executive - 06/18/09 |  |
| Monday, June 22, 2009 | | | | |  | | |

| WEEK | | | | | | |
|----------------------------|-------------------------|-------------------------------------|------|----------------|--|---|
| BEGINNING | MTA - PURPLE LINE STAFF | PLANNING DEPT STAFF - PL ACTIVITIES | MPAG | PLANNING BOARD | COUNCIL - ESTIMATE & NOT CONFIRMED | EXECUTIVE - ESTIMATE & NOT CONFIRMED |
| Monday, June 29, 2009 | | | | | | |
| Monday, July 06, 2009 | | | | | | |
| Monday, July 13, 2009 | | | | | | |
| Monday, July 20, 2009 | | | | | | Executive Completes Fiscal Impact Analysis of Plan - 07/23/09 |
| Monday, July 27, 2009 | | | | | | |
| Monday, August 03, 2009 | | | | | | |
| Monday, August 10, 2009 | | | | | | |
| Monday, August 17, 2009 | | | | | | |
| Monday, August 24, 2009 | | | | | | |
| Monday, August 31, 2009 | | | | | | |
| Monday, September 07, 2009 | | | | | | |
| Monday, September 14, 2009 | | | | | Council Holds Public Hearing On The Functional Plan - 09/15/09 | |
| Monday, September 21, 2009 | | | | | | |
| Monday, September 28, 2009 | | | | | | |
| Monday, October 05, 2009 | | | | | | |
| Monday, October 12, 2009 | | | | | | |
| Monday, October 19, 2009 | | | | | | |
| Monday, October 26, 2009 | | | | | Council Adopts The Functional Plan - 10/19/09 | |
| Monday, November 02, 2009 | | Publish Final Adopted Plan | | | | |

| Project | Mode | Capital Cost (2007 \$) | Est Avg Wkdy Riders In Plan Target Year | Cap Cost/ Wkdy Rider In Plan Target Year (Not a FTA Variable) | Cost Per Hour of Transportation User Benefit | Cap Cost Per Mile | Distance (MI.) |
|---|------|---------------------------|--|---|---|----------------------|-------------------|
| FY 2009 New Start Annual Report Projects | | | | | | | |
| Pending Full Funding Agreements | | | | | | | |
| West Corridor LRT - Denver | LRT | \$656,800,000 | 29,700 | \$88 | \$23.82 | \$54,280,992 | 12.1 |
| University Link LRT Extension - Seattle | LRT | \$1,798,100,000 | 40,200 | \$177 | \$22.21 | \$580,032,298 | 3.1 |
| Projects in Preliminary Engineering | | | | | | | |
| Central Corridor LRT - St Paul / Minneapolis | LRT | \$932,000,000 | 43,300 | \$85 | \$24.84 | \$84,727,273 | 11.0 |
| Northeast Corridor LRT - Charlotte | LRT | \$749,000,000 | 10,300 | \$283 | \$23.35 | \$70,000,000 | 10.7 |
| Salt Lake City - Mid Jordan LRT | LRT | \$553,700,000 | 9,300 | \$231 | \$23.84 | \$52,235,849 | 10.6 |
| Central Subway - San Francisco | LRT | \$1,290,000,000 | 45,700 | \$112 | \$20.60 | \$758,823,529 | 1.7 |
| Boston Silver Line Phase III BRT | BRT | \$1,167,000,000 | 147,300 | \$91 | \$21.97 | \$833,371,429 | 1.4 |
| Projects in Final Design | | | | | | | |
| New Britan - Hartford Busway | BRT | \$439,000,000 | 15,200 | \$120 | \$22.07 | \$48,829,787 | 9.4 |
| Purple Line DEIS/AA Estimate - May 2008 Open Houses | | | | | | | |
| TSM | | \$81,960,000 | | | | | |
| Low Investment BRT | BRT | \$386,390,000 | 38,500 | \$40 | \$18.24 | \$24,149,375 | 16 |
| Medium Investment BRT | BRT | \$579,820,000 | 50,500 | \$46 | \$14.01 | \$36,238,750 | 16 |
| High Investment BRT | BRT | \$1,088,480,000 | 57,500 | \$75 | \$19.34 | \$68,030,000 | 16 |
| Low Investment LRT | LRT | \$1,206,150,000 | 58,500 | \$82 | \$26.51 | \$75,384,375 | 16 |
| Medium Investment LRT | LRT | \$1,220,150,000 | 61,500 | \$79 | \$22.82 | \$76,259,375 | 16 |
| High Investment LRT | LRT | \$1,634,840,000 | 66,500 | \$98 | \$23.71 | \$102,177,300 | 16 |
| Corridor Cities Transitway - 07/15/08 Full Team Meeting - EA/AA Numbers | | | | | | | |
| TSM | | \$86,860,000 | 7,000 | \$49 | | | |
| Alternative 6A | LRT | \$770,530,000 | 30,000 | \$102 | \$32.90 | \$57,076,296 | 13.3 |
| Alternative 7A | LRT | \$770,530,000 | 30,000 | \$102 | \$32.43 | \$57,076,296 | 13.3 |
| Alternative 6B | BRT | \$449,920,000 | 26,000 | \$69 | \$18.30 | \$33,327,407 | 13.3 |
| Alternative 7B | BRT | \$449,920,000 | 27,000 | \$66 | \$18.25 | \$33,327,407 | 13.3 |
| FTA Cost Effectiveness Rating - FY 2009 Reporting Cycle | | | | | | | |
| High | | | | | \$11.99 or Less | | |
| Medium High | | | | | \$12.00 - \$13.49 | | |
| Medium | | | | | \$13.50 - \$23.99 | | |
| Medium Low | | | | | \$24.00 - \$29.99 | | |
| Low | | | | | \$30.00 or Higher | | |
| Note: Projects with cost-effectiveness ratings of Medium Low or Low will generally not be considered for funding by FTA | | | | | | | |