



# Bethesda/Chevy Chase

CAT Meeting #5

October 29, 2019



## **Gary Witherspoon**

MDOT MTA Public Outreach & Communications, Deputy Project Director

## **Carla Julian**

PLTC Sr. Manager Public Affairs/Community Outreach

## **Jeff Hammer**

PLTC Area 2 Project Engineer

## **Mark Edsall**

PLTC Area 1 Project Engineer



# MEETING OVERVIEW

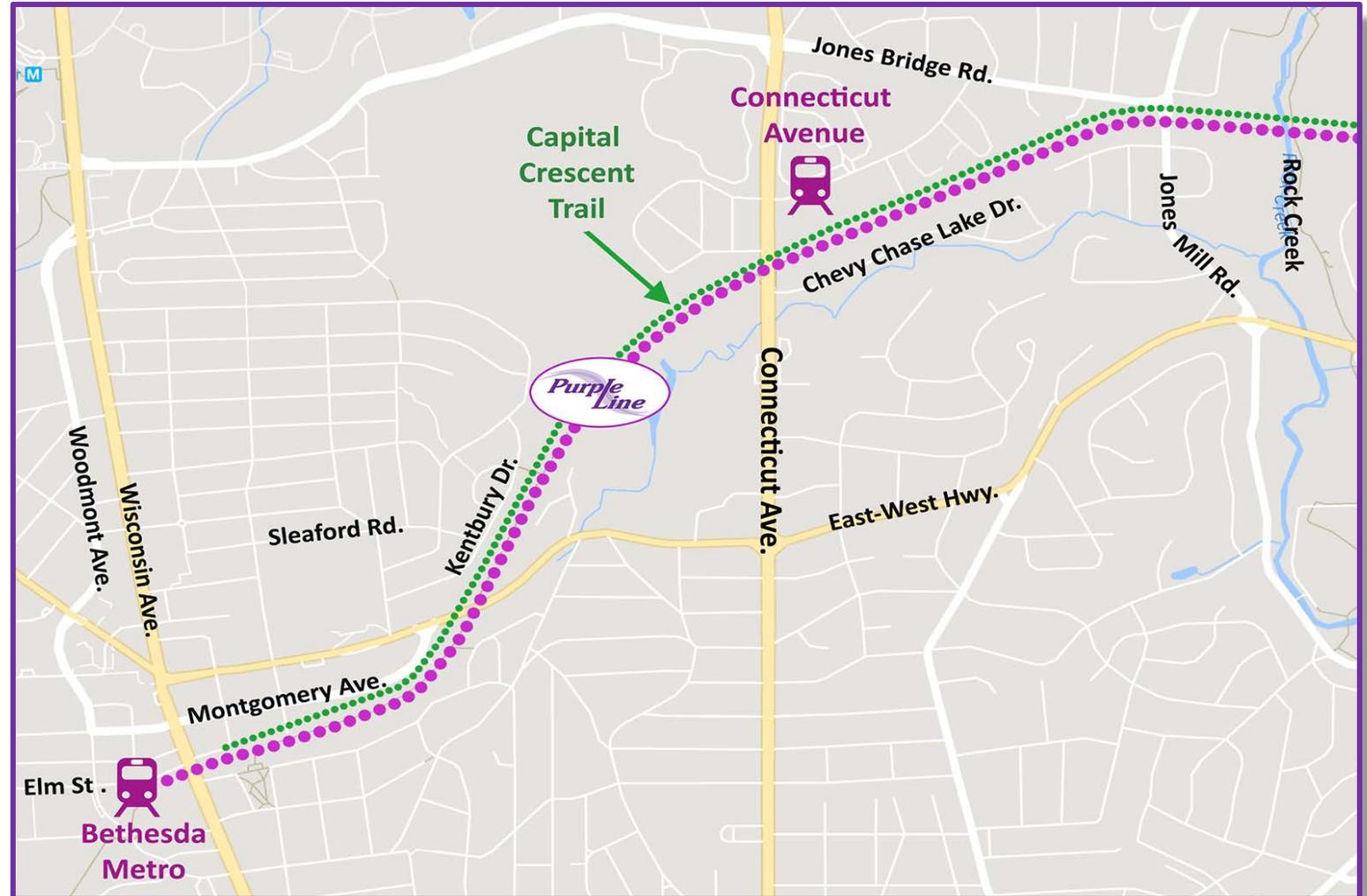
- **Purple Line Project Update**
  - Construction Milestones
- **Construction Progress Overview**
  - Work Completed
  - Progress Photos
  - 6-Month Look Ahead
- **Maintenance of Traffic & Pedestrian Safety**
- **Construction Work Hours**
- **Business Outreach**
- **Questions & Answers**



# BETHESDA/CHEVY CHASE CAT SEGMENT

## Stations in this segment:

- Bethesda Metro
- Connecticut Avenue





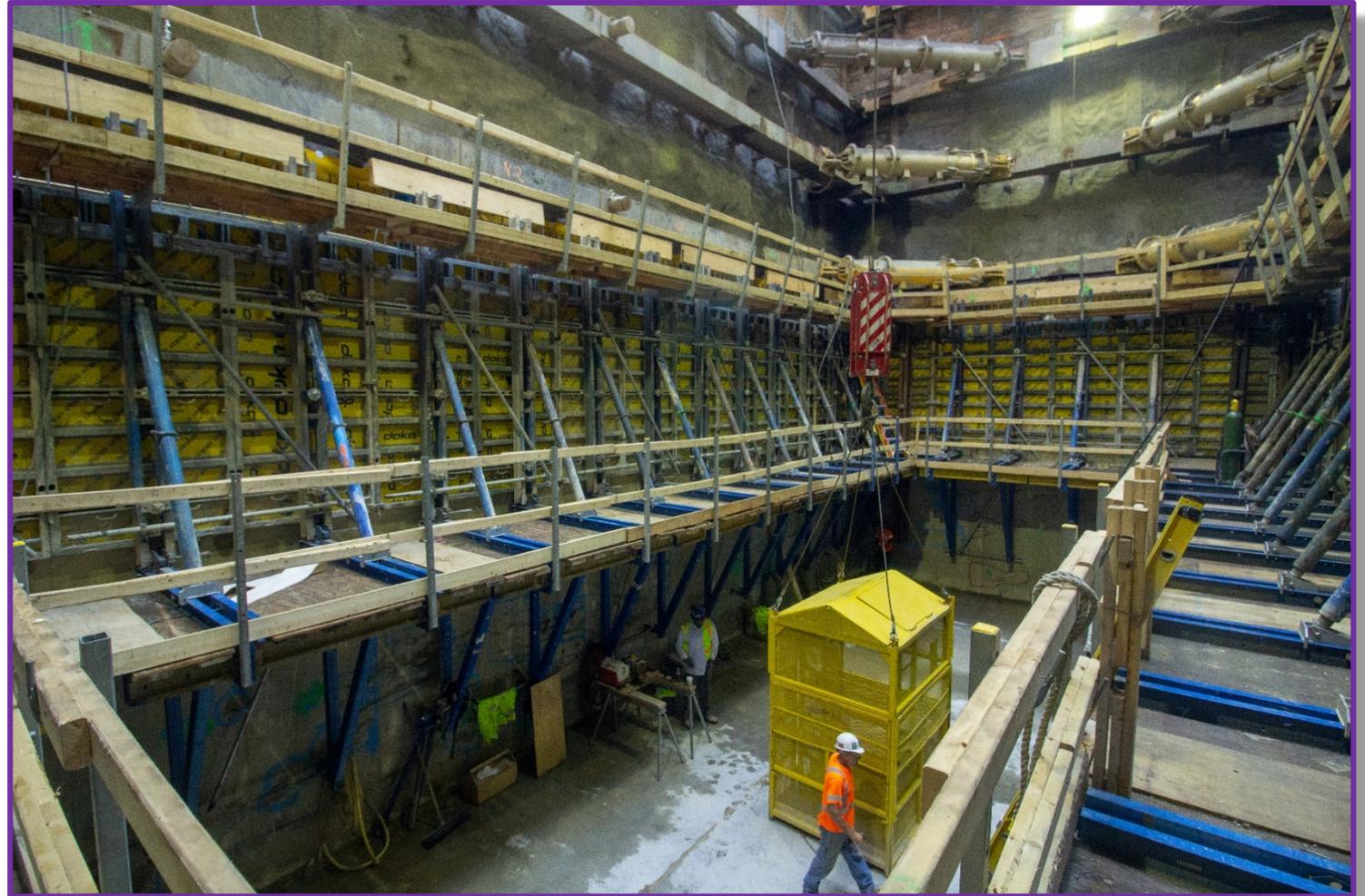
## PURPLE LINE PROJECT UPDATE

- Construction is underway throughout the 16.2-mile corridor with approximately 12 of 16 miles having active construction work
  - Construction: 20% complete
- Approximately 850 craft men and women are now working on the project



## BETHESDA PROGRESS

The Bethesda shaft will connect the Bethesda Metro Purple Line station to WMATA's Red Line Metro station. The shaft has been excavated to a depth greater than 100 feet.





## LYTTONSVILLE PROGRESS

June 4, 2019 the Talbot Ave. Bridge was deconstructed to make way for a stronger and wider bridge with sidewalks. The Purple Line will pass under the new Talbot Ave. Bridge next to the CSX tracks.





## SILVER SPRING PROGRESS

Foundations are under construction along 16<sup>th</sup> St. that will carry the Purple Line over the WMATA Red Line and MARC tracks to the Silver Spring Metro station at the Silver Spring Transit Center.





## LONG BRANCH PROGRESS

The 1,000 foot Plymouth Tunnel excavation was completed in March of 2019. Since then, waterproofing and final concrete for the tunnel lining has been ongoing.





## UNIVERSITY BOULEVARD PROGRESS

Work on University Blvd. continues to progress with the removal of medians and utility relocations to make way for the Purple Line tracks that will be in the center of the road alongside vehicular traffic.





## COLLEGE PARK PROGRESS

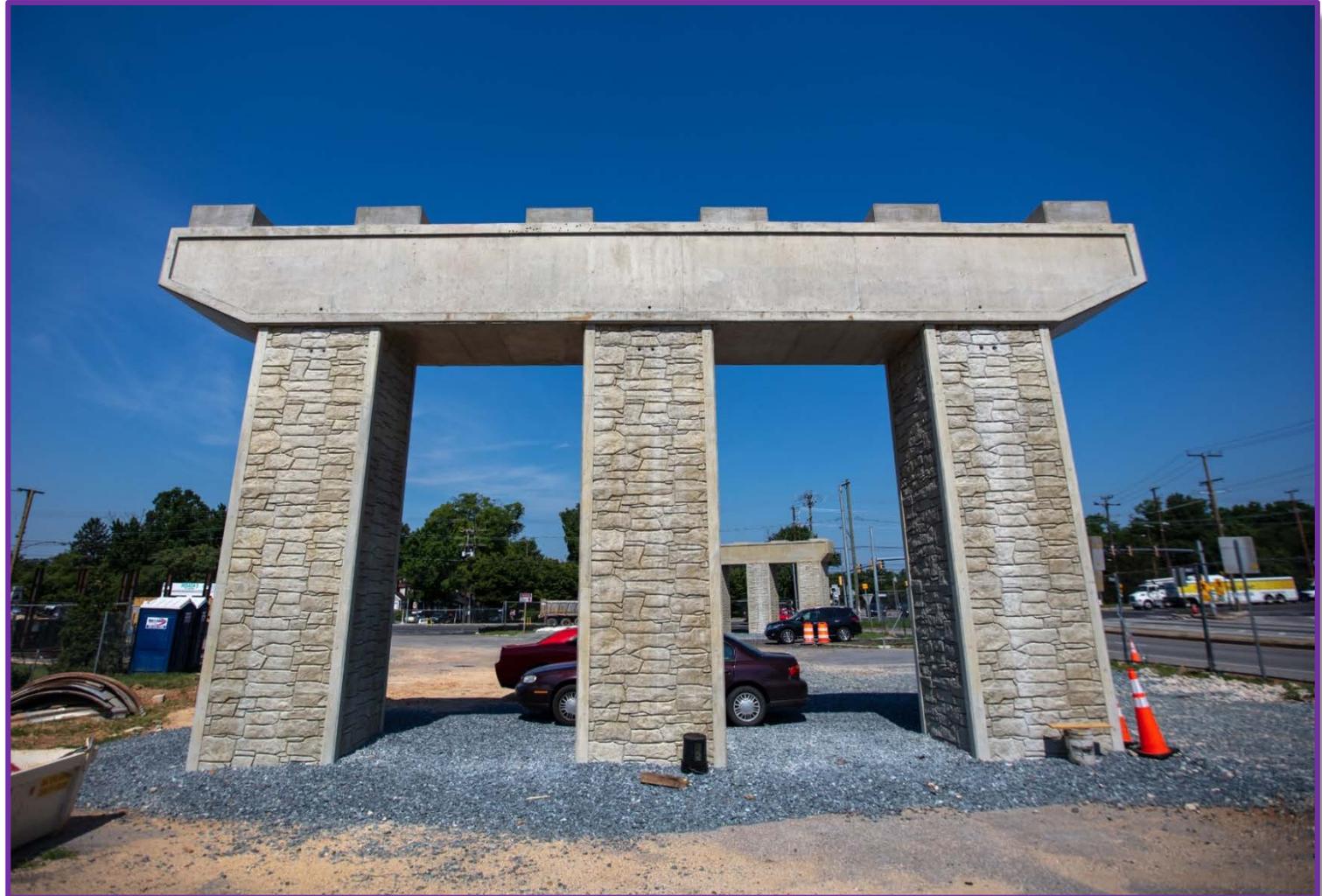
Work has begun on the Purple Line College Park Metro - UMD station on River Rd. Pictured is site work and the removal of the asphalt bus loop.





## RIVERDALE PARK-KENILWORTH STATION PROGRESS

Riverdale Rd. bridge piers have been constructed that will support the Riverdale Park-Kenilworth aerial station.





## GLENRIDGE PROGRESS

Steel framing of the Glenridge Operations and Maintenance Facility (OMF) was completed in July of 2019. This facility will maintain and clean the Light Rail Vehicles (LRVs) as well as house the Purple Line administration and operational staff.





## NEW CARROLLTON PROGRESS

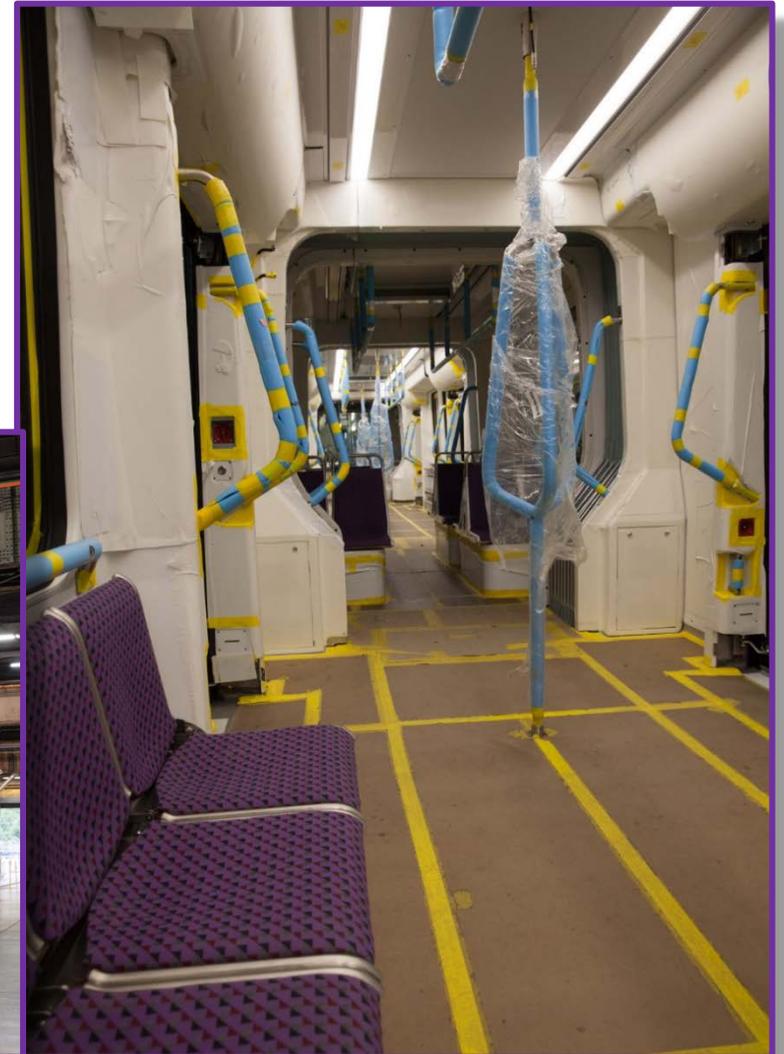
The first section of rail for the Purple Line was installed on Ellin Rd. in September of 2019. This is embedded track where the Purple Line will run on Ellin Rd. with vehicular traffic.





## LIGHT RAIL VEHICLE (LRV) PROGRESS

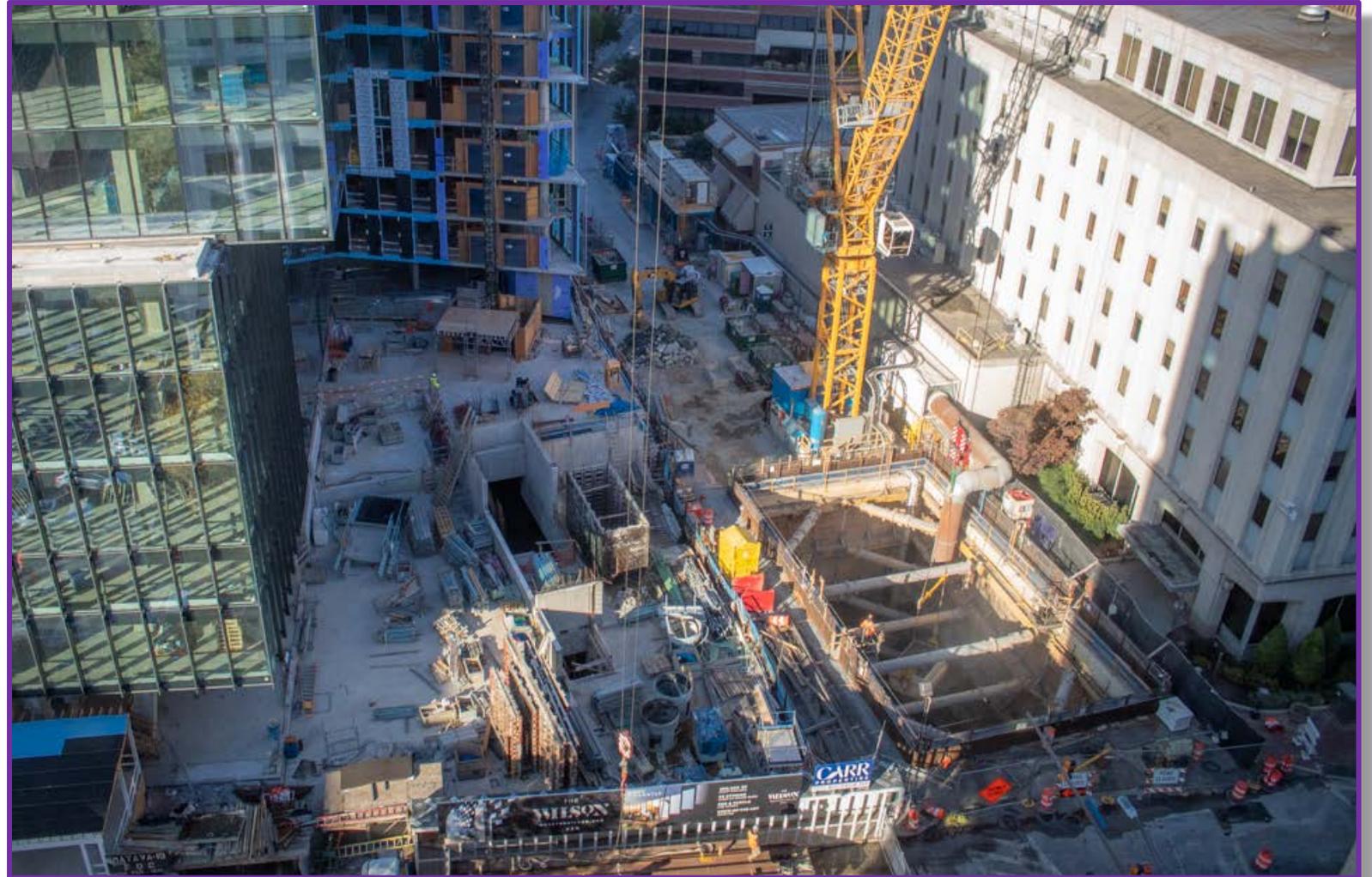
- The LRVs are being assembled in Elmira, NY
- The first complete LRV is in testing in Elmira
- More than 20 modules are assembled (there are 5 modules per train)
- The longest LRV in North America





# AERIAL VIEW OF BETHESDA DEVELOPMENT

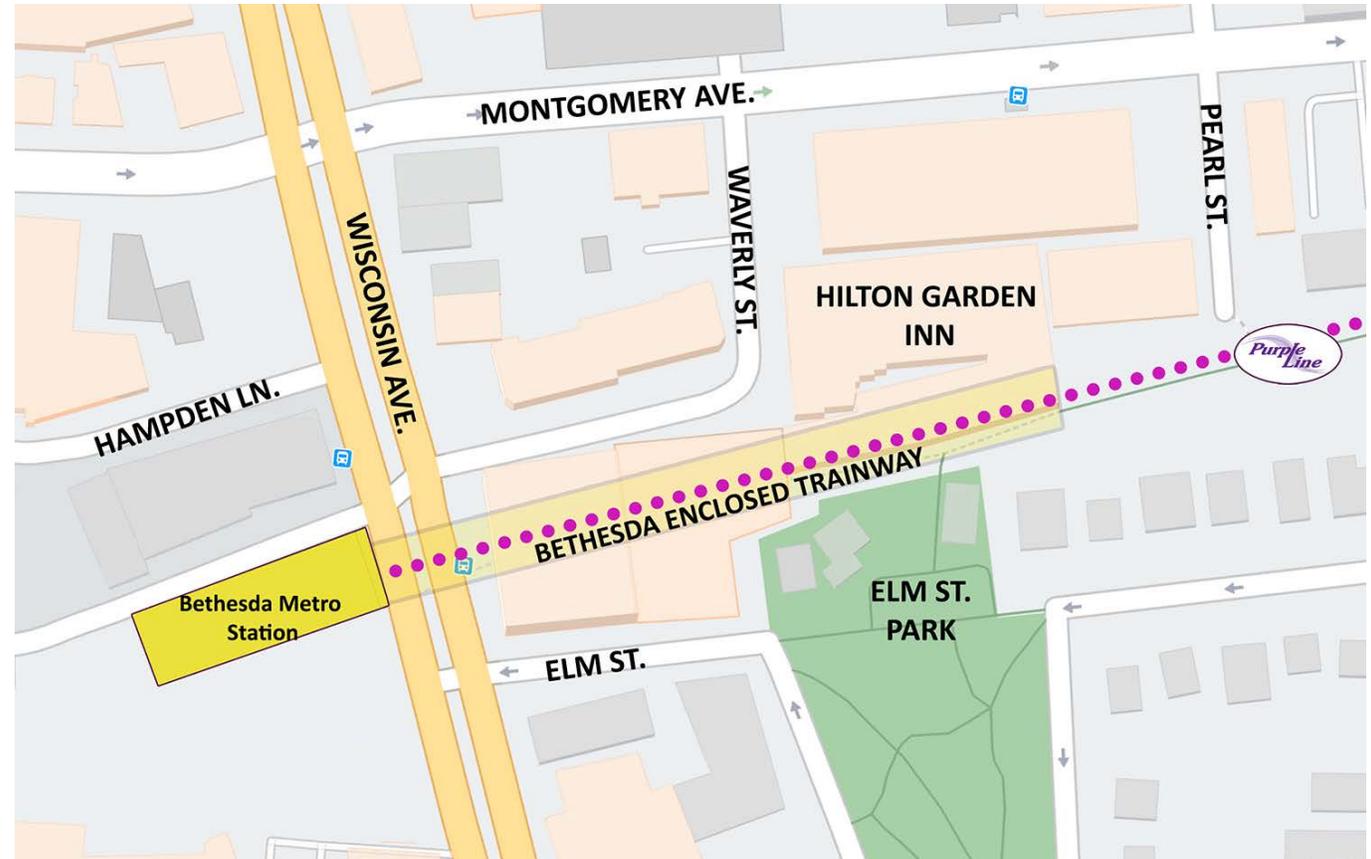
Bethesda station box has been constructed by Carr and turned over to the Purple Line.





## WORK CONDUCTED OVER THE PAST 6 MONTHS

- **Bethesda Shaft**
  - Placing of the concrete lining for the shaft began in June of 2019
- **Bethesda Enclosed Trainway**
  - Excavated concrete and soil down to subgrade and installed the track aggregate base - completed September 2019

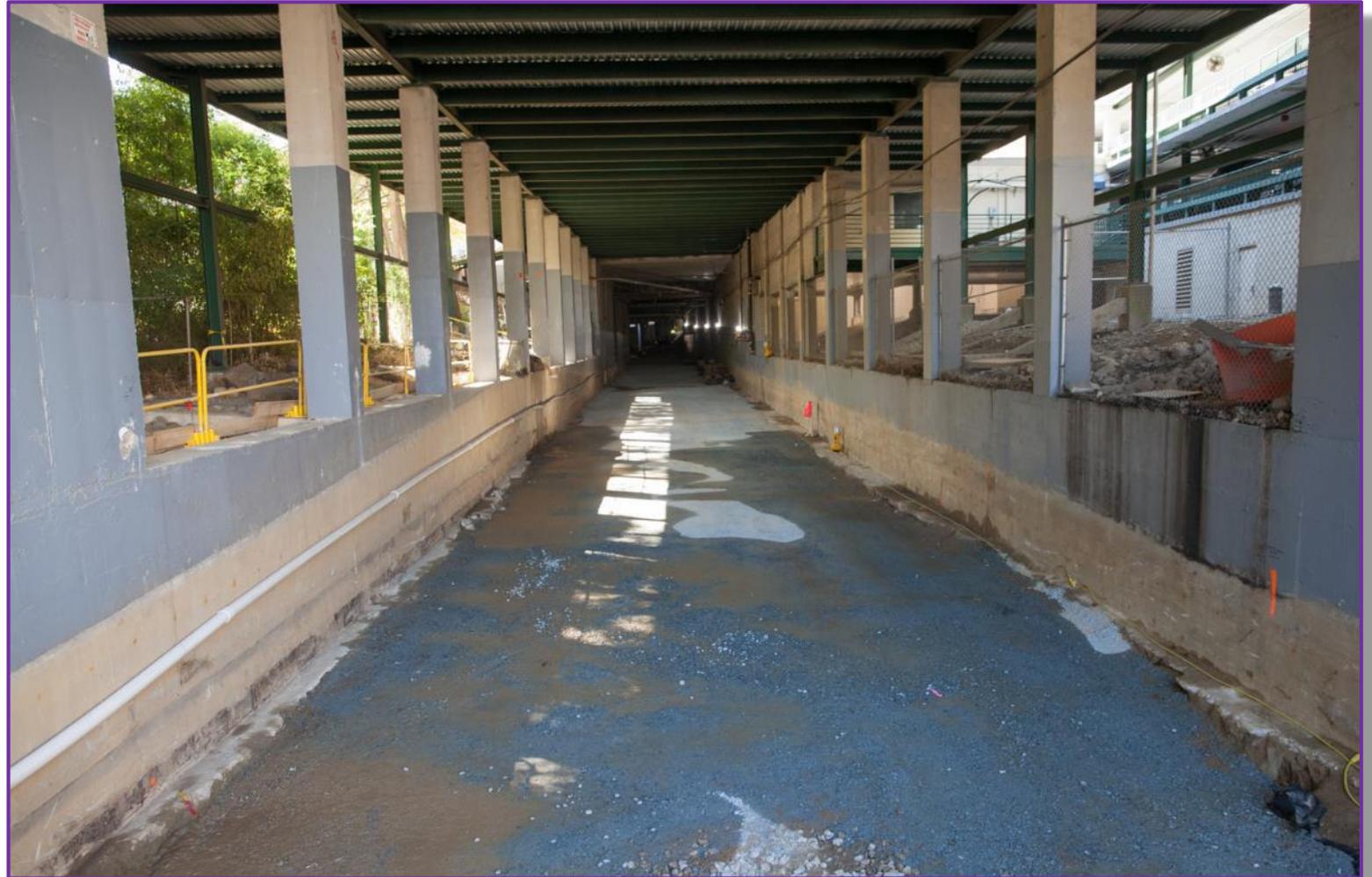


**Bethesda Enclosed Trainway** is a segment of Purple Line rail with a sidewalk that runs from the Purple Line Bethesda Metro station under the Air Rights building to Elm Street Park.



## BETHESDA ENCLOSED TRAINWAY

Concrete has been removed and excavation is complete to the subgrade under the Hilton Garden Inn parking facility.





## 6-MONTH LOOK AHEAD

- **Bethesda Shaft**
  - Placing of the concrete lining for the shaft is scheduled to be completed in spring 2020
  - Blasting is planned to resume in spring of 2020 to begin excavation of the cavern that will connect the Purple Line to the WMATA Red Line
    - Notice will be provided in advance of blasting activities
    - Close coordination will continue between WMATA and the Purple Line during blasting
- **Bethesda Enclosed Trainway**
  - Installation of retaining walls underneath Wisconsin Avenue bridge to begin in early spring 2020



## WORK CONDUCTED OVER THE PAST 6 MONTHS *(continued)*

- **Pearl Street**
  - Storm drainage installation continued
  - Completed sanitary sewer relocation and encasement
  - Waterline relocation work continued
- **Montgomery Avenue/Georgetown Branch Trail**
  - Retaining wall construction continued
  - Storm drainage installation began
- **East-West Highway**
  - Utility relocations continued
  - Temporary lane closures will be ongoing (as needed) to access Sleaford Rd.



## EAST-WEST HIGHWAY PROGRESS

Installation of concrete cast-in-place retaining walls on the Georgetown Branch Trail near East-West Highway.





## WORK CONDUCTED OVER THE PAST 6 MONTHS *(continued)*

- **Sleaford Road**
  - Sanitary sewer relocation continued
  - Storm drainage installation continued
  - Retaining wall construction continued
- **Columbia Country Club**
  - East golf cart underpass completed and opened
  - Placed embankment for the LRV and Capital Crescent Trail (CCT)
  - Constructed retaining walls to support the LRV and CCT
  - Storm drainage installation continued



## WORK CONDUCTED OVER THE PAST 6 MONTHS *(continued)*

- **Connecticut Avenue**
  - Overhead utility relocations continued
  - Underground communication utility relocations continued
  - Pile driving for the foundations of the future LRV and CCT bridges began
  - Began ground improvements for the future Connecticut Ave. station
- **Jones Mill Road**
  - New temporary traffic pattern was established in order to begin construction of the underpass
  - Installed support of excavation piles
  - Began mass excavation for underpass structure
  - Stormwater management installation continued



# CONNECTICUT AVENUE PROGRESS

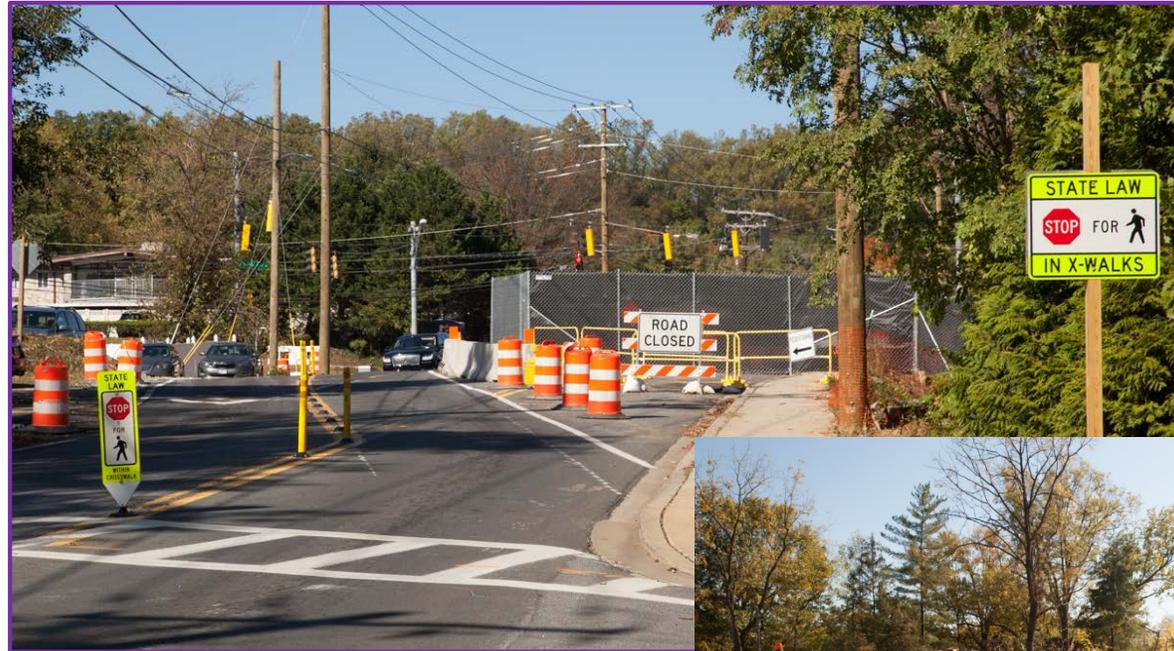
Installation of piles for the future LRV and CCT bridges over Connecticut Ave.





# JONES MILL ROAD PROGRESS

A work zone and new temporary traffic pattern have been established for construction of the Purple Line and CCT underpass at Jones Mill/Jones Bridge Rd.





## WORK CONDUCTED OVER THE PAST 6 MONTHS *(continued)*

- **Rock Creek Park**
  - Demolition of the remaining bridge over Rock Creek was completed
  - Installed support of excavation piles
  - Pile driving for foundations of LRV retaining walls began
  - Construction of retaining walls continued



## ROCK CREEK PARK PROGRESS

Foundation work for the future bridges over Rock Creek has started with the installation of soil stabilizing sheet piles.





## 6-MONTH LOOK AHEAD

- **Pearl Street**
  - Continue installation of storm drain system
  - Demolition and reconstruction of the retaining wall at the Hilton Garden Inn
  - Foundation work and retaining walls for the Bethesda CCT bridge to begin
- **Montgomery Avenue/Georgetown Branch Trail**
  - Construction of retaining walls will continue
  - Storm drainage installation will continue
- **East-West Highway**
  - Complete the relocation of the underground communication services
  - Begin construction of retaining walls
  - Storm drainage installation to begin



## 6-MONTH LOOK AHEAD *(continued)*

- **Sleaford Road**
  - Complete sanitary sewer relocation
  - Complete storm drain box culvert installation
  - Begin foundation work for noise walls
- **Columbia Country Club**
  - Retaining wall construction continues
  - Begin foundation work for noise walls



## 6-MONTH LOOK AHEAD *(continued)*

- **Connecticut Avenue**

- Complete overhead utility relocations
- Abutment for the future LRV and CCT bridges over Connecticut Ave. consists of:
  - Completion of pile driving for the abutment on east side of Connecticut Ave.
  - Construct Mechanically Stabilized Earth (MSE) walls for both abutments
- Set structural steel for future LRV and CCT bridges over Connecticut Ave.
  - Temporary lane closures will be required, public notification will be provided in advance of the work
- Begin construction of the retaining walls for the Connecticut Ave. station



## 6-MONTH LOOK AHEAD *(continued)*

- **Chevy Chase Lake Drive bridge**
  - Complete the installation of the stone columns
  - Complete the pile driving for the bridge abutments
  - Begin construction of MSE walls for the bridge abutments
  - Set the precast girders for the bridge
  - Begin forming and placing the concrete for the bridge's deck slab



## 6-MONTH LOOK AHEAD *(continued)*

- **Jones Mill Road**

- Underground communication line relocations to begin
- Work will be conducted in two phases (east and west)
- Phase 1 of underpass construction (for the east side of Jones Mill Rd.) includes:
  - Mass excavation
  - Installation of retaining walls
  - Foundation work and installation of precast concrete arches



## 6-MONTH LOOK AHEAD *(continued)*

- **Rock Creek Park**
  - Mass excavation continues
  - Begin installation of a temporary bridge across Rock Creek for PLTC to access the west slope
  - Construction of abutments for the future LRV and CCT bridges over Rock Creek includes:
    - Continuation of pile driving and retaining wall construction
  - Storm drain installation begins
  - Set girders for the LRV bridge



## MAINTENANCE OF TRAFFIC – WHAT TO EXPECT

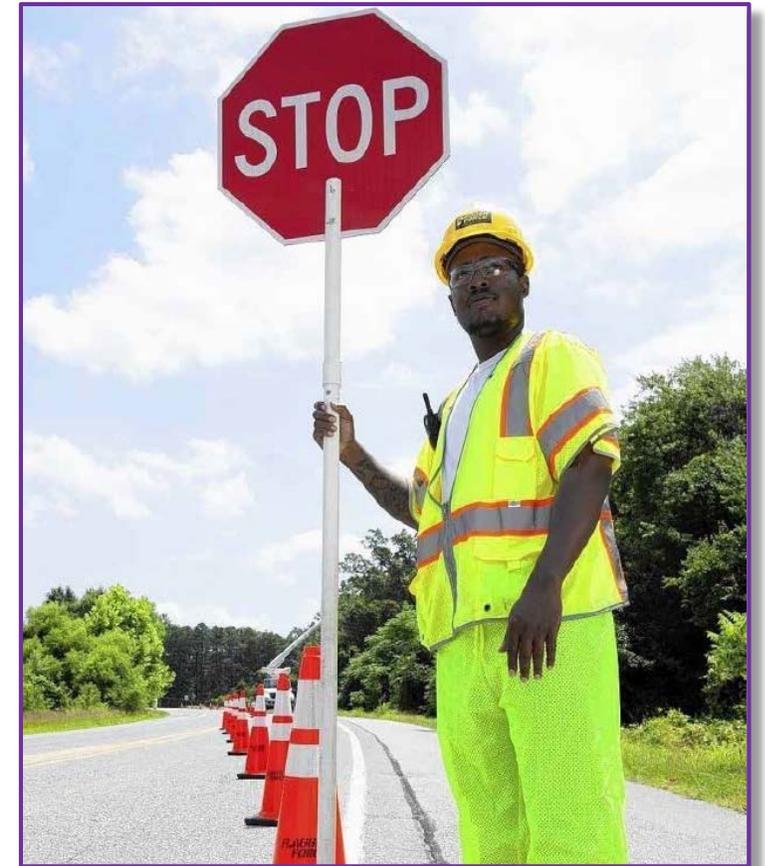
- Existing traffic patterns will change as work occurs, as needed
- Work may occur on both sides of the road and across roadways
- When a lane closure is required, a notice will be distributed via text and email (sign-up required through [purplelinemd.com](http://purplelinemd.com))
- Orange cones and barrels (temporary barricades) will be in place
- Flag-person, when required, will direct traffic
- Underground utility work may require temporary road plates





## PEDESTRIAN SAFETY

- Work zones will be clearly marked and the public should not enter them
- Pedestrian detours will be clearly signed
- When closures occur, alternate access will be provided
- Pedestrian crossings will be maintained
- ***Pedestrians should obey construction signage and keep out of work zones***





## CONSTRUCTION WORK HOURS

- Typical day shift: 7 a.m. – 5 p.m.
- Typical night shift: 7 p.m. – 4:30 a.m.
- Bethesda Shaft work hours:
  - Day shift: 6:00 a.m. – 3:00 p.m.
  - Night shift: 3:00 p.m. – 12:00 a.m.
- Make-up / maintenance day will be Saturdays, as required
- The public will be notified through notifications on [purplelinemd.com](http://purplelinemd.com) for:
  - Utility shutdowns
  - Road/driveway closures
  - Blasting
  - Pile driving
  - Night work
  - Weekend work
  - Major lane closures



## BUSINESS & COMMUNITY OUTREACH

- Purple Line volunteers collected supplies for and donated 100 backpacks to the combined Prince George's and Montgomery County backpack supplies drive, donating 50 backpacks to a school in each county
- The Purple Line hosted a table at the 2019 Bethesda Row Arts Festival
- PLTC hosted its Plymouth Tunnel hole-through celebration at the Barking Dog





## STAY UP TO DATE ON PURPLE LINE PROGRESS

Sign up for construction notices at [purplelinemd.com](https://purplelinemd.com)

- For construction-related questions and concerns, contact PLTC
  - Email: [outreach@pltcllc.com](mailto:outreach@pltcllc.com)
  - 24/7 hotline at 240-424-5325
- For general project questions and comments, contact MDOT MTA public outreach
  - Email: [outreach@purplelinemd.com](mailto:outreach@purplelinemd.com)
  - Call: 443-451-3706 or 443-451-3705 (Para Español)

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