



Silver Spring

CAT Meeting #5

October 10, 2019



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Public Affairs/Community Outreach

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MEETING OVERVIEW

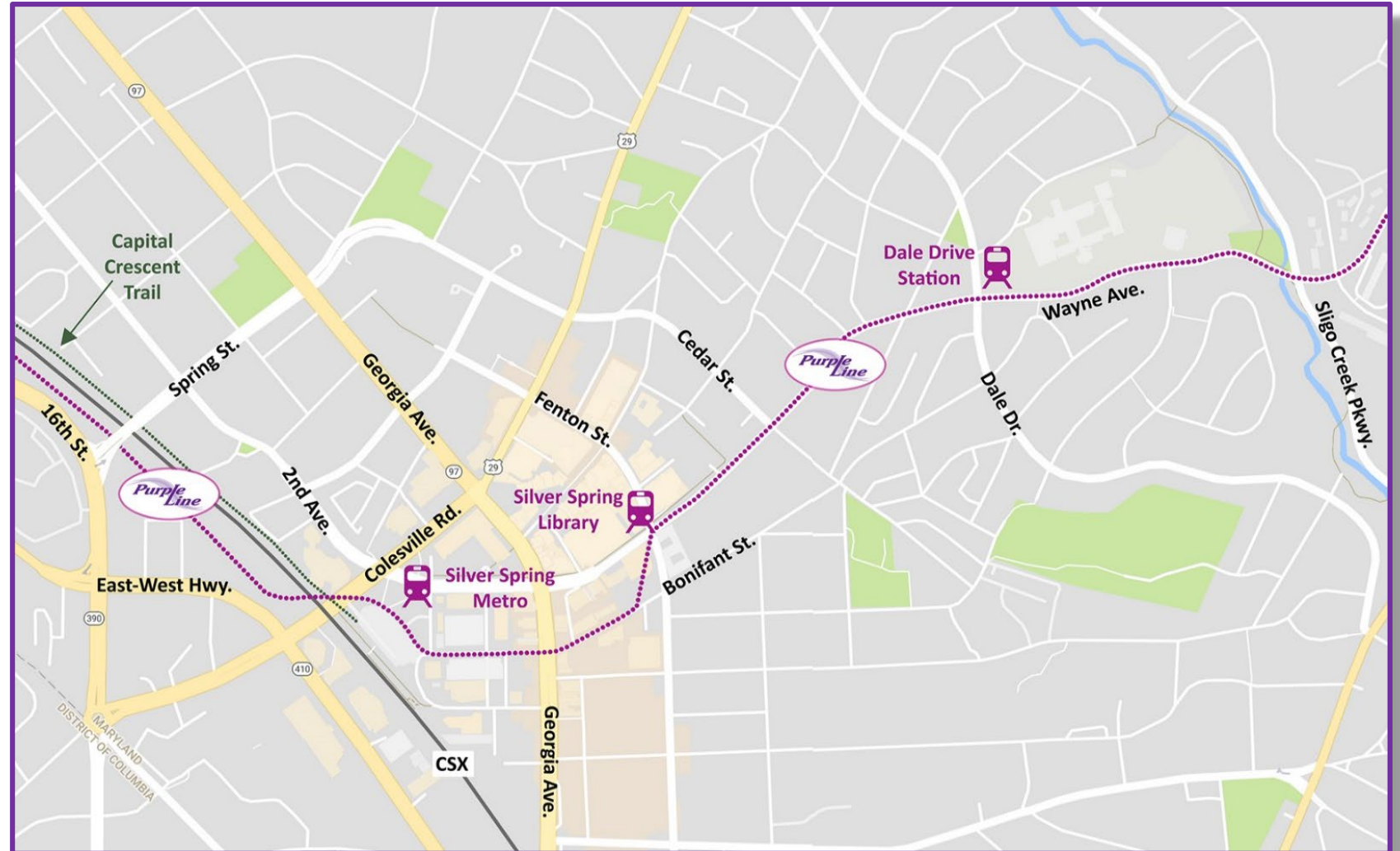
- **Purple Line Project Update**
 - Construction Milestones
- **Construction Progress Overview**
 - Work Completed
 - Progress Photos
 - 6-Month Look Ahead
- **Silver Spring Transit Center**
- **Maintenance of Traffic & Pedestrian Safety**
 - Detours
- **Construction Work Hours**
- **Business Outreach**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



SILVER SPRING CAT SEGMENT

Stations in this segment:

- Silver Spring Metro
- Silver Spring Library
- Dale Drive





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 16th 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

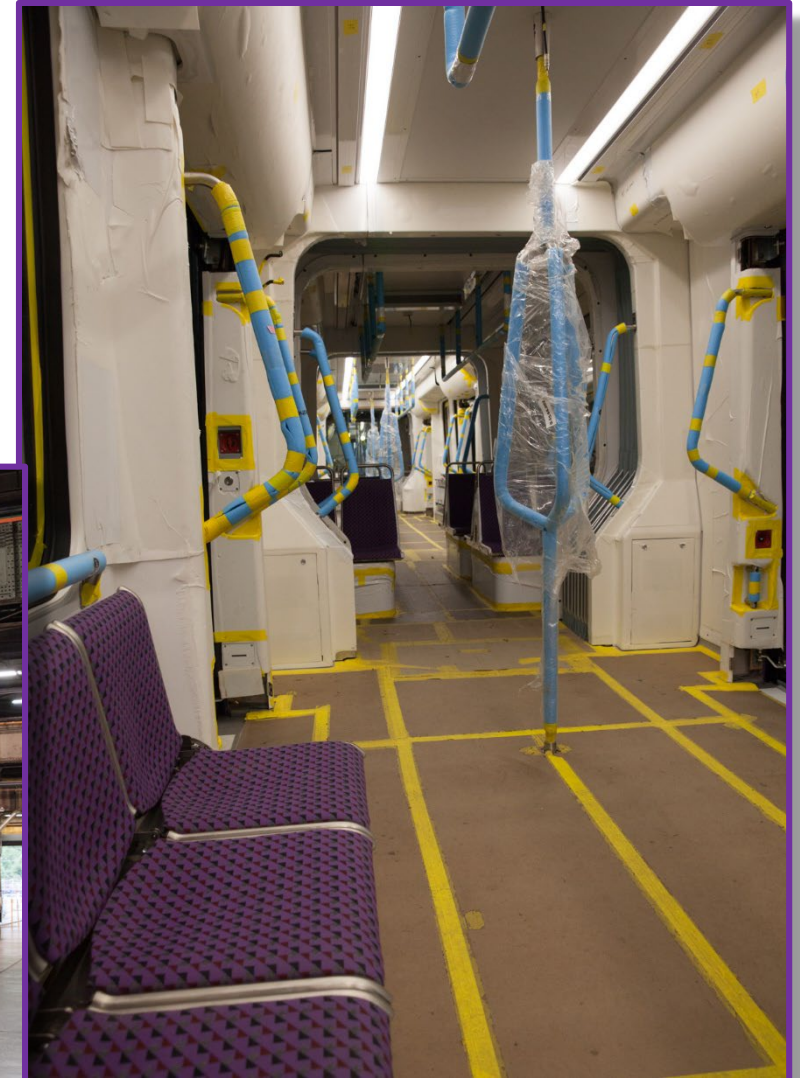
The first section of rail for the Purple Line was installed on Ellin Rd. in September of 2019. This is embedded track where the Purple Line will run on Ellin Rd. with vehicular traffic.





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





WORK CONDUCTED OVER THE PAST 6 MONTHS

- **Segment-wide**
 - Utility relocation work
 - Installation of erosion and sediment controls
 - Installation of stormwater management facilities for construction
 - Tree clearing
- **16th Street** (from Spring Street to Colesville Road)
 - Demolition of a portion of the Falkland Apartments
 - Pier construction for the LRV bridge over WMATA's Red Line



SPRING STREET TO COLESVILLE ROAD

Demolition at Falkland Apartments along the CSX tracks.





SPRING STREET TO COLESVILLE ROAD *(continued)*

Work has started on the pier foundations for the Purple Line bridge which will cross over the WMATA Red Line and MARC tracks.





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

- **Colesville Road**
 - Established long-term lane closure on Colesville Rd.
 - Started construction of pier foundation work
- **Silver Spring Transit Center (SSTC)**
 - Continued extensive coordination with WMATA and Montgomery County
 - Mobilized work zones adjacent to the SSTC
 - Phase I established June 2019
 - Installed storm drainage
 - Removed canopy and planter boxes near the South Metro entrance
 - Bike racks relocated end of September
 - Installed pier foundations



SILVER SPRING METRO PLAZA PROGRESS

Work has begun on a pier located at Metro Plaza on Colesville Rd. This foundation work will support both the future Purple Line LRV and Capital Crescent Trail (CCT) bridges.





SILVER SPRING TRANSIT CENTER PROGRESS

Fencing has been installed around the work area and foundation work has begun, including the piers that will support the new Purple Line Silver Spring Metro station





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

- **Bonifant (east)**
 - Utility relocations
- **Wayne Avenue**
 - Tree clearing and survey work
 - Overhead and underground utility work continues
- **Silver Spring International Middle School**
 - Installation of retaining wall for middle parking area (Phase 1 completed)
 - Installation of stormwater management system
 - Tree clearing at Sligo Creek for utility relocations



SILVER SPRING INTERNATIONAL MIDDLE SCHOOL PROGRESS

Parking lots and pedestrian walkways are open for the 2019 school year but not in their final condition. Retaining wall installation pictured.





6-MONTH LOOK AHEAD

Segment-wide

- Utility relocation work continues
- Installation of stormwater management facilities
- Clearing and grubbing

16th Street (from Spring St. to Colesville Rd.)

- Drilled shaft installation for the support of excavation (SOE) piles along the CSX tracks
- Complete the Falkland Apartments demolition and restoration



6-MONTH LOOK AHEAD *(continued)*

Colesville Road

- Pier construction for the Purple Line and CCT continues
- CCT bridge abutment construction to begin
- LRV bridge abutment construction continues
- During installation of the CCT bridge and LRV bridge, the impacts to Colesville Rd. are:
 - A staging area with a mobile crane will be established in the center of Colesville Rd.
 - Two lanes in each direction will be maintained Monday – Friday 7 a.m. to 7 p.m.
 - Full closure of Colesville Rd. will occur during three weekends to install the CCT bridge early Winter of 2020
 - Full closures of Colesville Rd. overnight will be required for erection of the LRV bridge beginning late Winter 2020



6-MONTH LOOK AHEAD *(continued)*

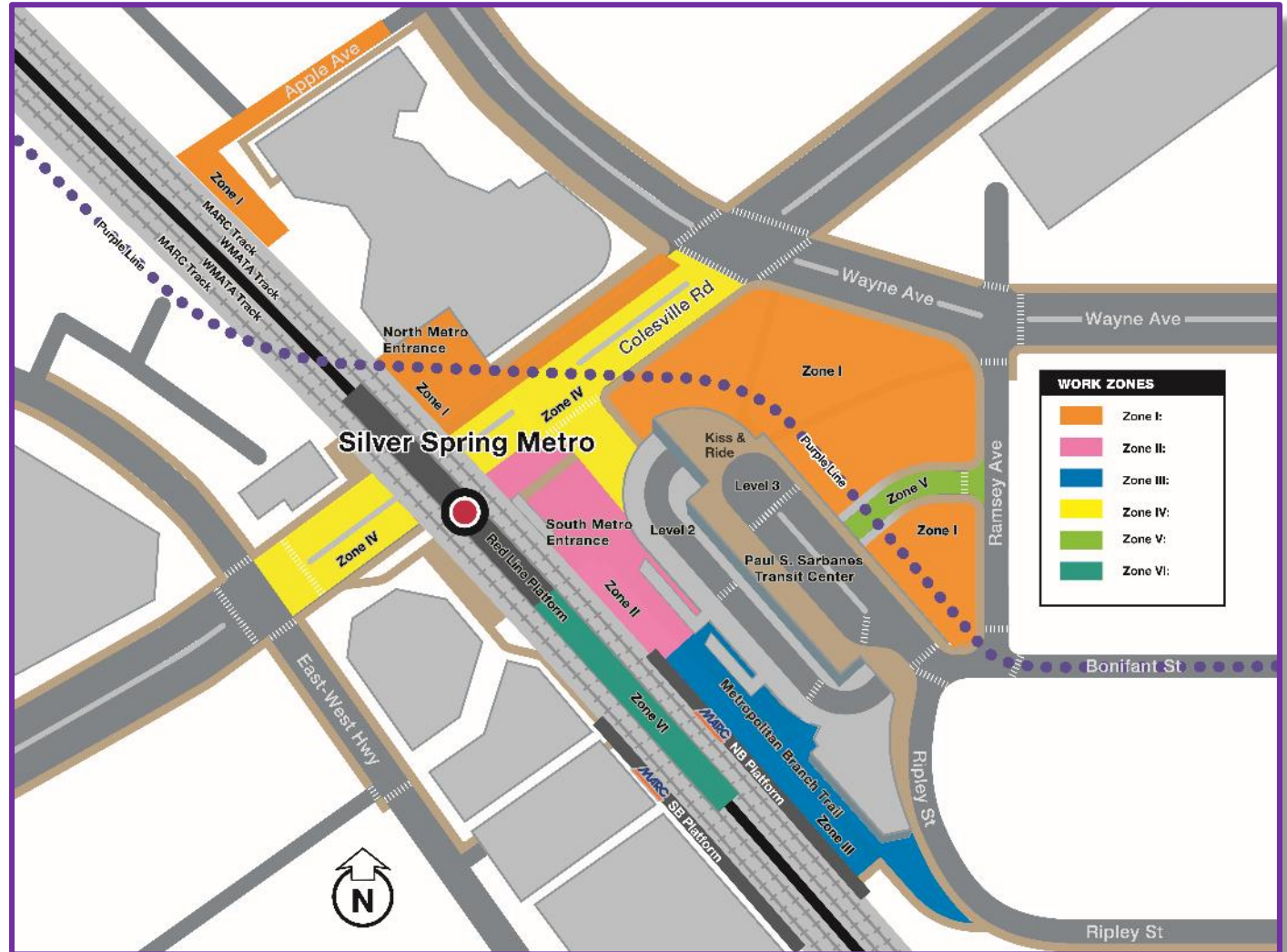
Silver Spring Transit Center (SSTC)

- Foundations for the Silver Spring Metro station continues
- Foundations for the CCT will begin
- New traffic pattern for buses will be established by WMATA in Winter 2020



WORK ZONES AT SSTC

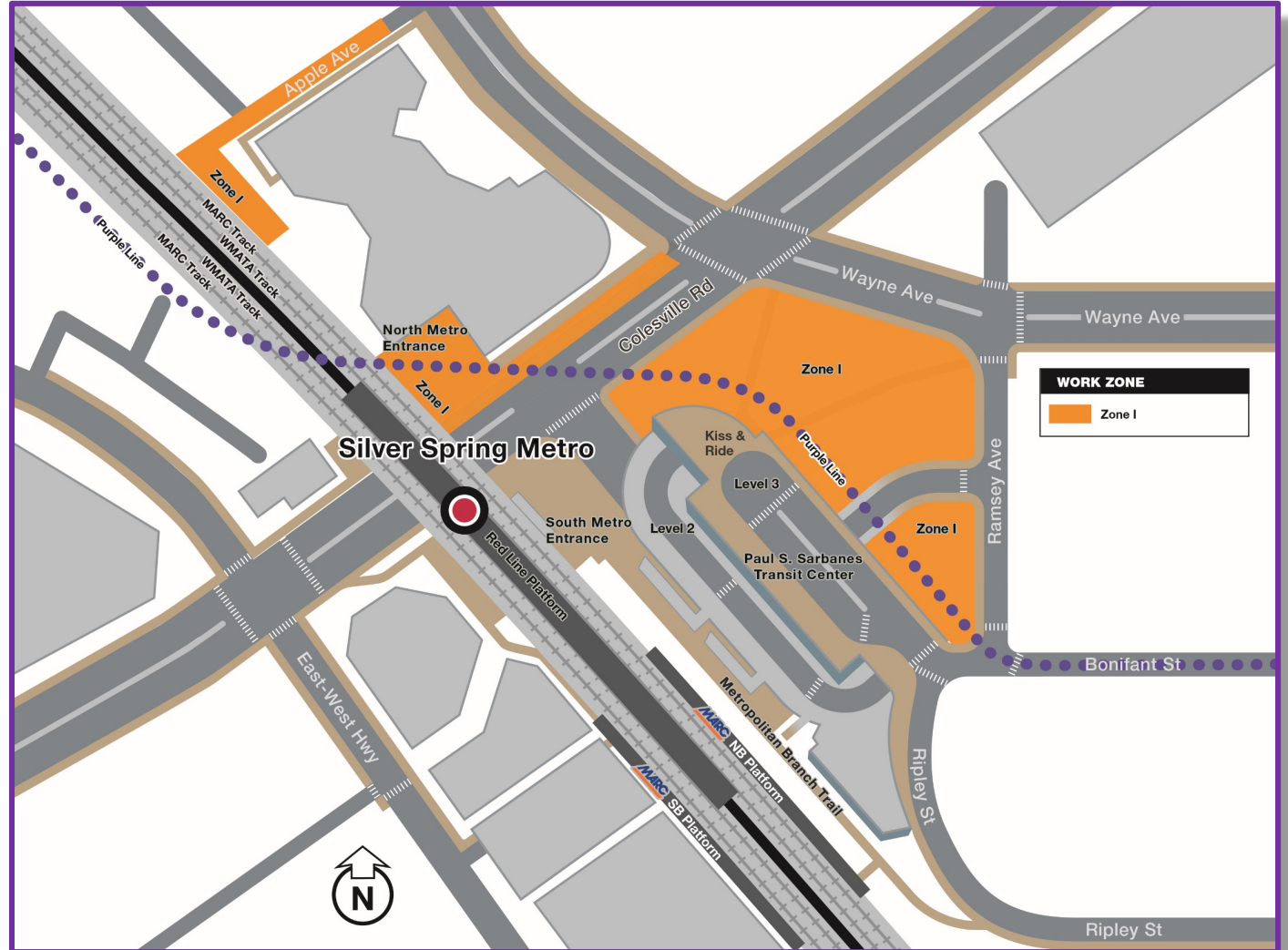
- **Zone I and II** active work zones
- **Zone III** scheduled to begin mid or late Oct. 2019
- **Zone IV** scheduled begin Dec. 2019 to May 2020
- **Zone V** scheduled to begin Oct. 2019 to March 2020
- **Zone VI** estimated to begin in Dec. 2019





SSTC ZONE I DETAILS

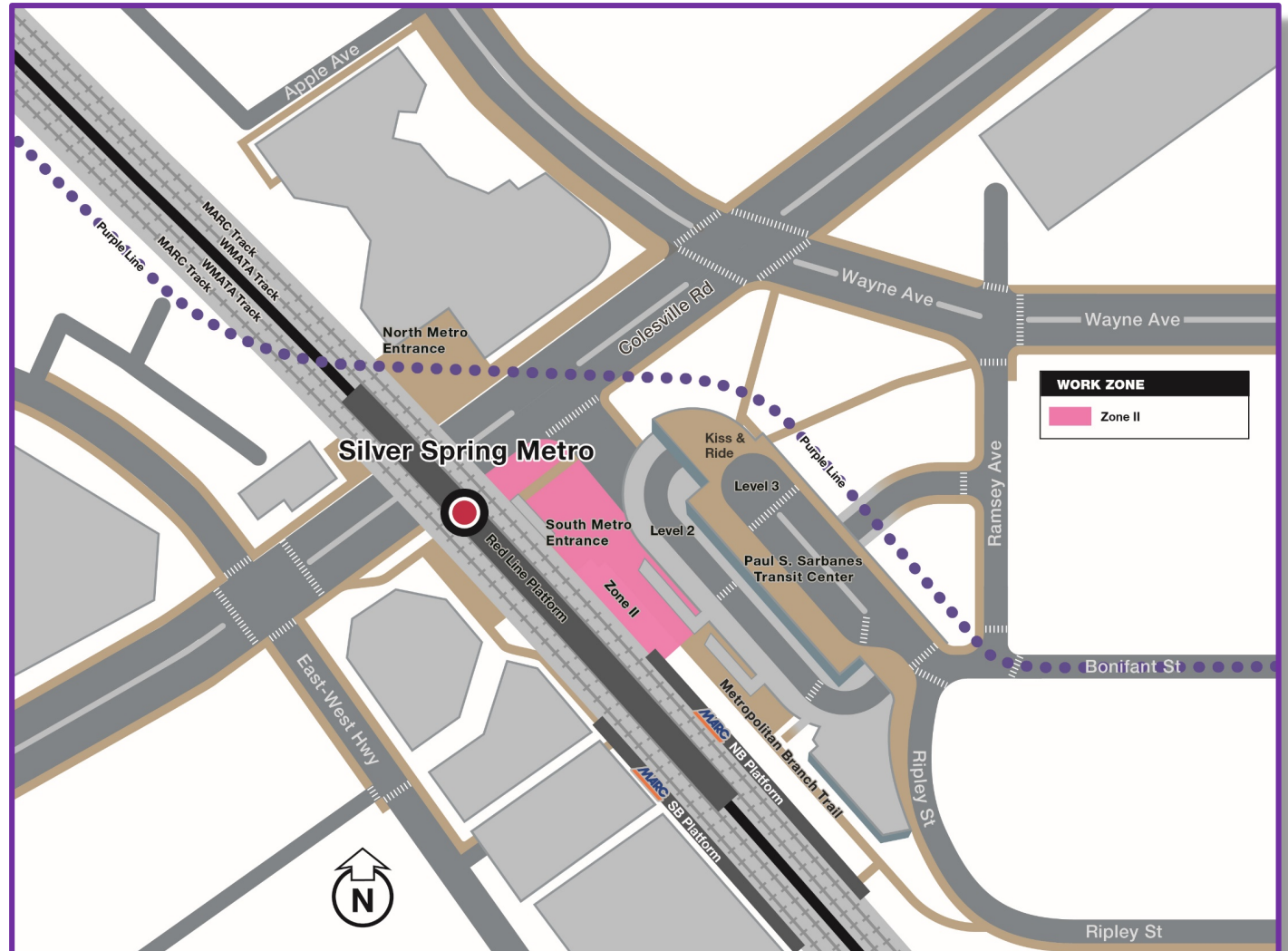
- Retaining wall construction from Apple Ave. to Metro Plaza
- Foundation at Metro Plaza continues
- Piers for the CCT and LRV continues at Metro Plaza
- Foundation work for the Purple Line Silver Spring Metro station continues





SSTC ZONE II DETAILS

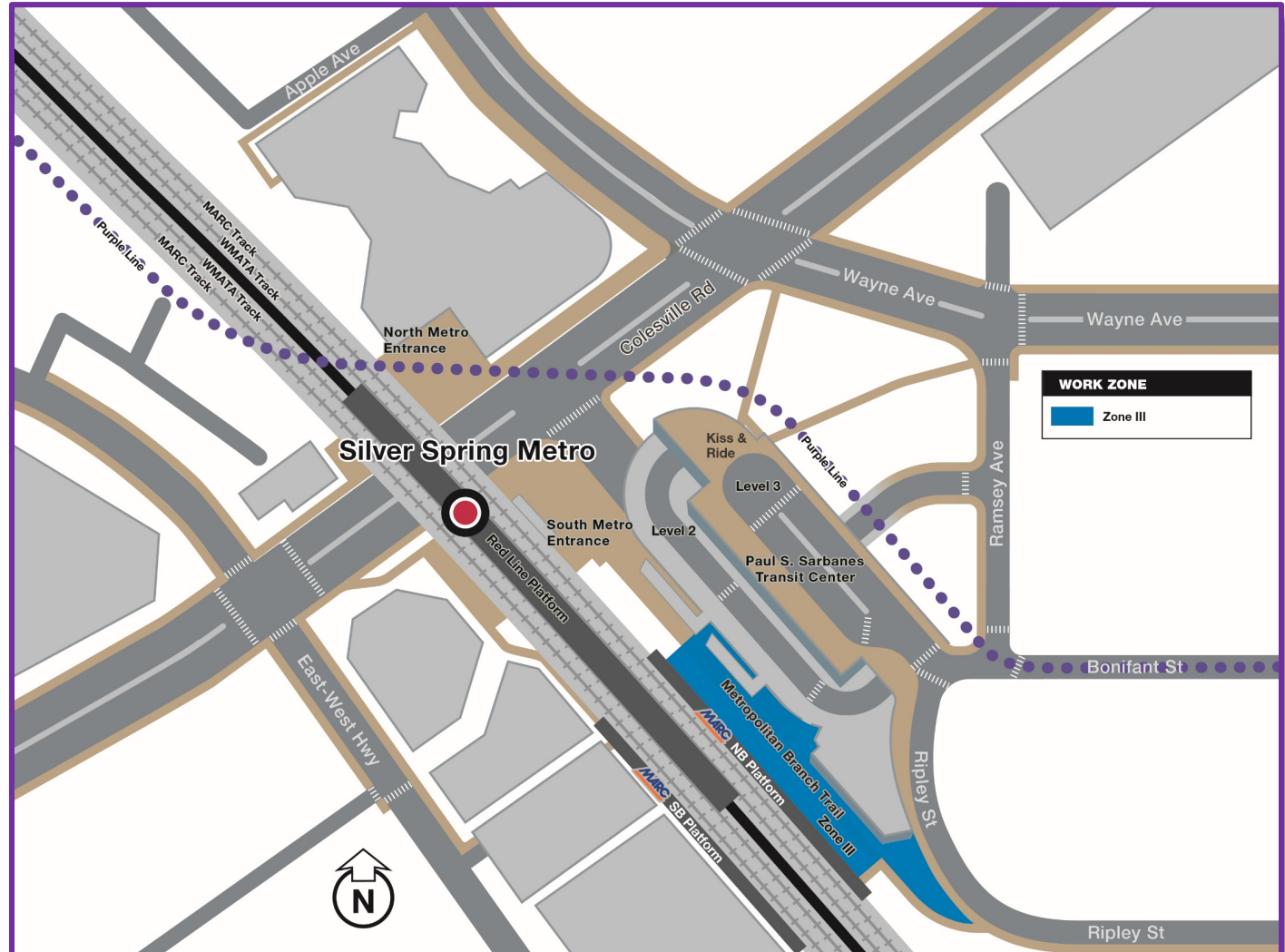
- Fencing installed September 2019 around work zone adjacent to the South Metro Entrance
- Metro station canopy removal continues during Metro's non-revenue hours
- Bike rack has been relocated to Level 1 of the SSTC outside of the work zone
- Utility relocations to begin
- Drilling for piers to begin





SSTC ZONE III DETAILS

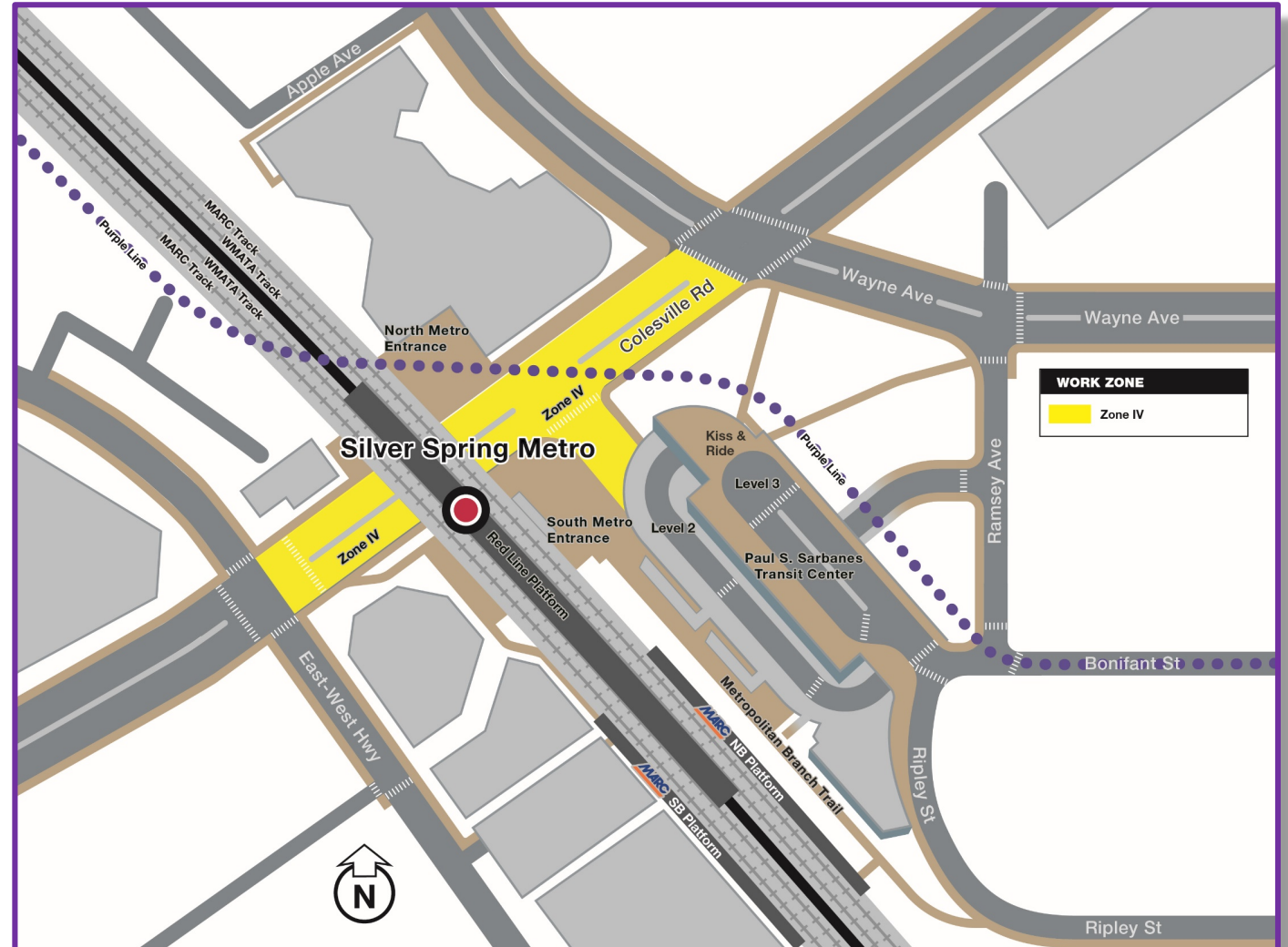
- Work will begin by establishing a work zone in mid-October
 - The Metropolitan Branch Trail Ramp from Ripley St. will close a notice will be distributed and detour posted
- Bridge from the SSTC to MARC train will close Winter 2020
 - Detour will be established and public notification will occur
- Utility relocations will begin





SSTC ZONE IV DETAILS

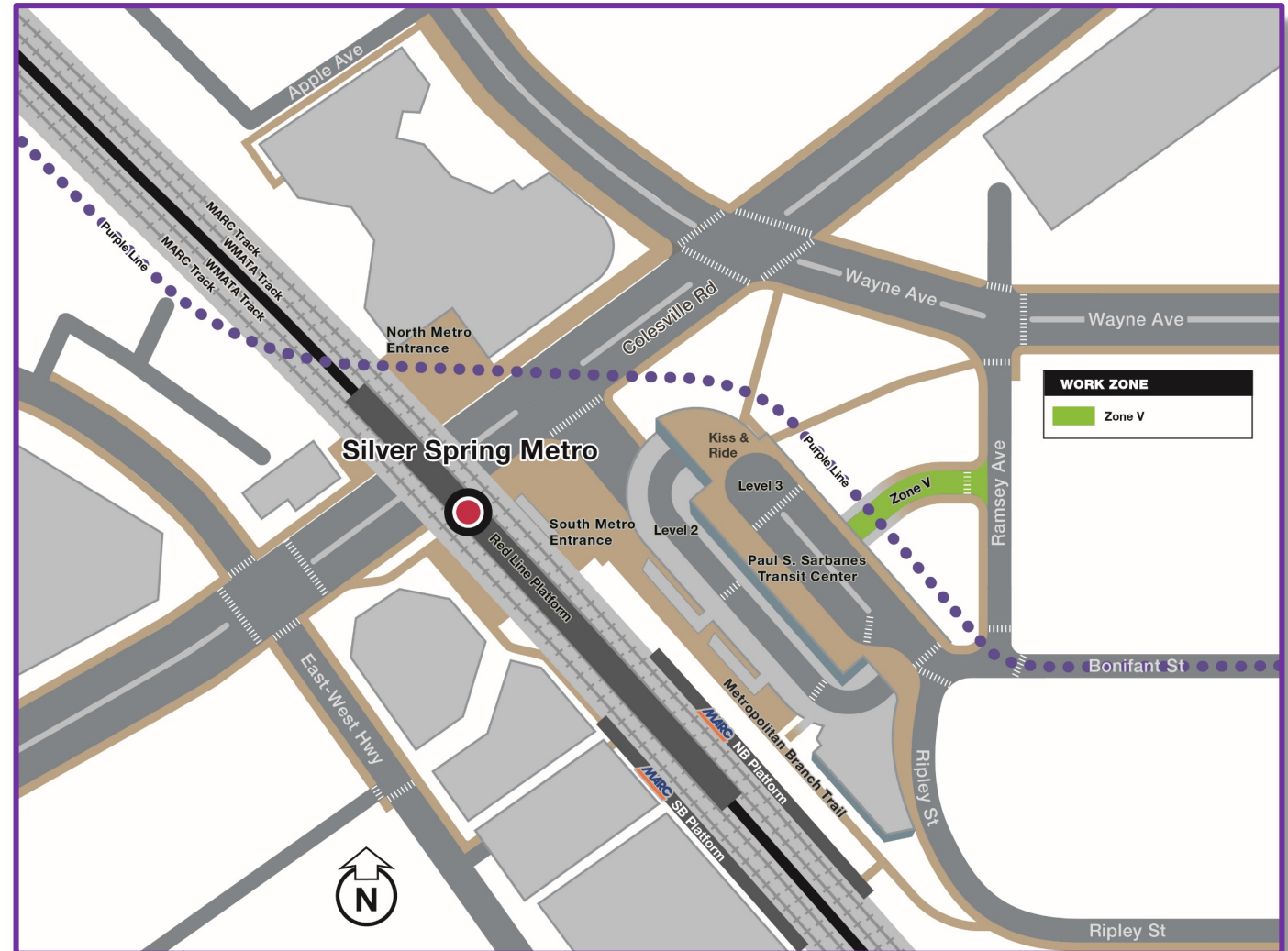
- A work zone will be established in the center of Colesville Rd. adjacent to the SSTC
 - Two lanes in each direction will be maintained Monday - Friday 7 a.m. – 7 p.m.
 - Full closures of Colesville Rd. will be required with notice to the public
- PLTC is closely coordinating with local bus service operators
 - Bus stop locations will be temporarily relocated to locations dictated by bus service operators





SSTC ZONE V DETAILS

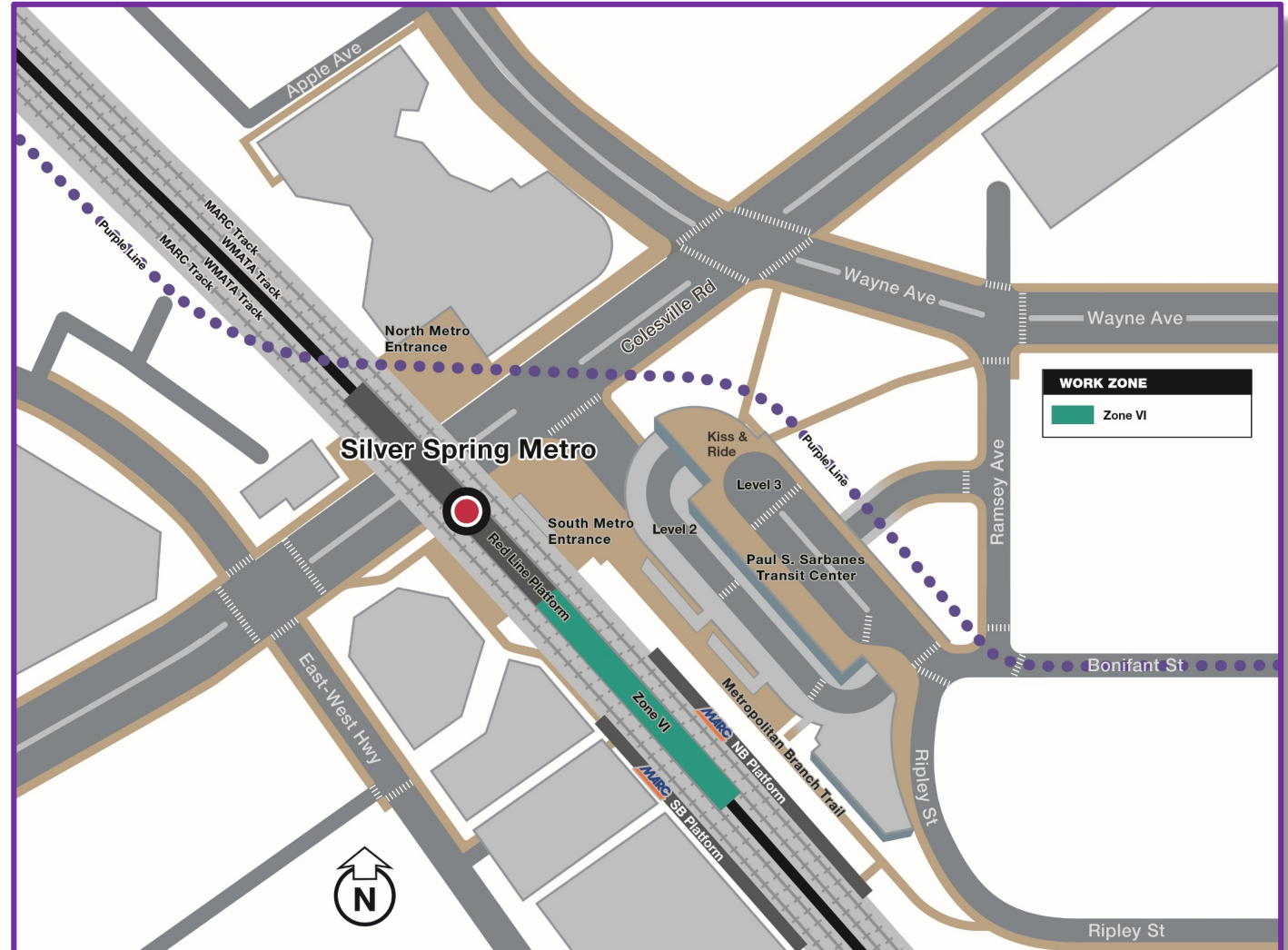
- Installation of a stormwater pipe across the SSTC Level 2 entrance is underway
 - This work will occur 8 p.m. – 5 a.m.
- Additional work in this zone to erect bridge span will occur in Spring 2020





SSTC ZONE VI DETAILS

- Work zone will be established on the Metro Red Line platform Dec. 2019
- Demolition of a portion of the Metro Red Line will occur
- Access will be maintained around work zone for Metro Red Line riders
- Utility relocations will occur





6-MONTH LOOK AHEAD *(continued)*

Bonifant Street

- Utility relocation work will continue with temporary lane closures as needed to implement the work
- New long-term traffic patterns will be implemented and detailed further on following slides
 - Bonifant St. (West) closure to occur late Fall 2019
 - Bonifant St. (East) partial closure to occur Winter 2020



6-MONTH LOOK AHEAD *(continued)*

Wayne Avenue

- Overhead utility relocation along Wayne Ave., and Fenton to Manchester
- Underground utility relocations to occur
- Storm drainage installation

Silver Spring International Middle School

- Parking lot construction continues
- Retaining wall construction continues
- Installation of 60" storm drain outfall to Sligo Creek (Sligo Cabin Park)



MAINTENANCE OF TRAFFIC – WHAT TO EXPECT

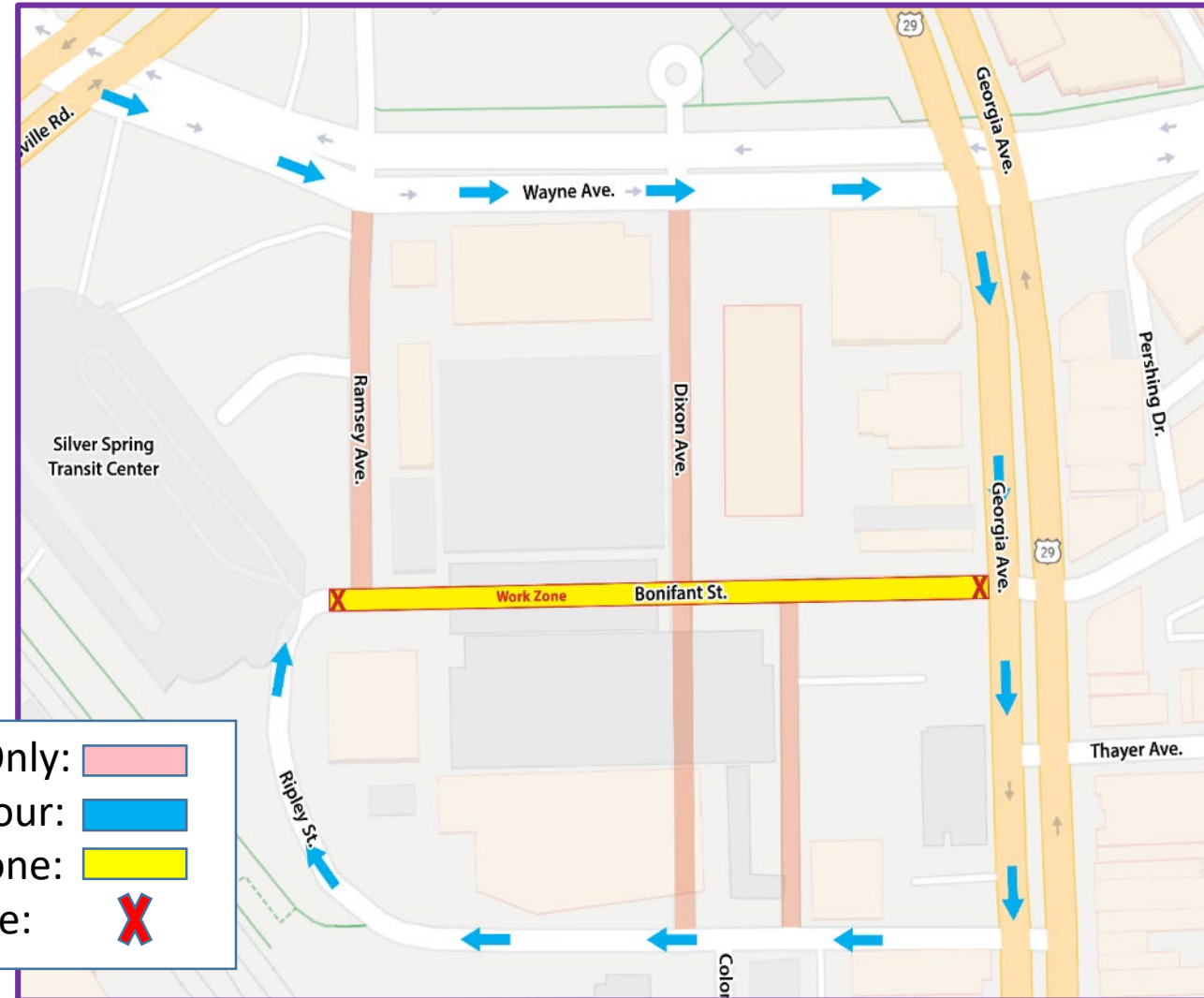
- Existing traffic patterns will change as work occurs, as needed
- Work may occur on both sides of the road and across roadways
- When a lane closure is required, a notice will be distributed via text and email (sign-up required through purplelinemd.com)
- Orange cones and barrels (temporary barricades)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









BONIFANT STREET (WEST) LONG-TERM CLOSURE

- Closure scheduled for late Nov. 2019
- Once reopened, Bonifant St. will permanently be a one-way street (westbound)
- 30-day notice will be provided via PLTC's notification system
- Local access will be maintained for pedestrian and vehicular traffic to parking garages and surrounding buildings







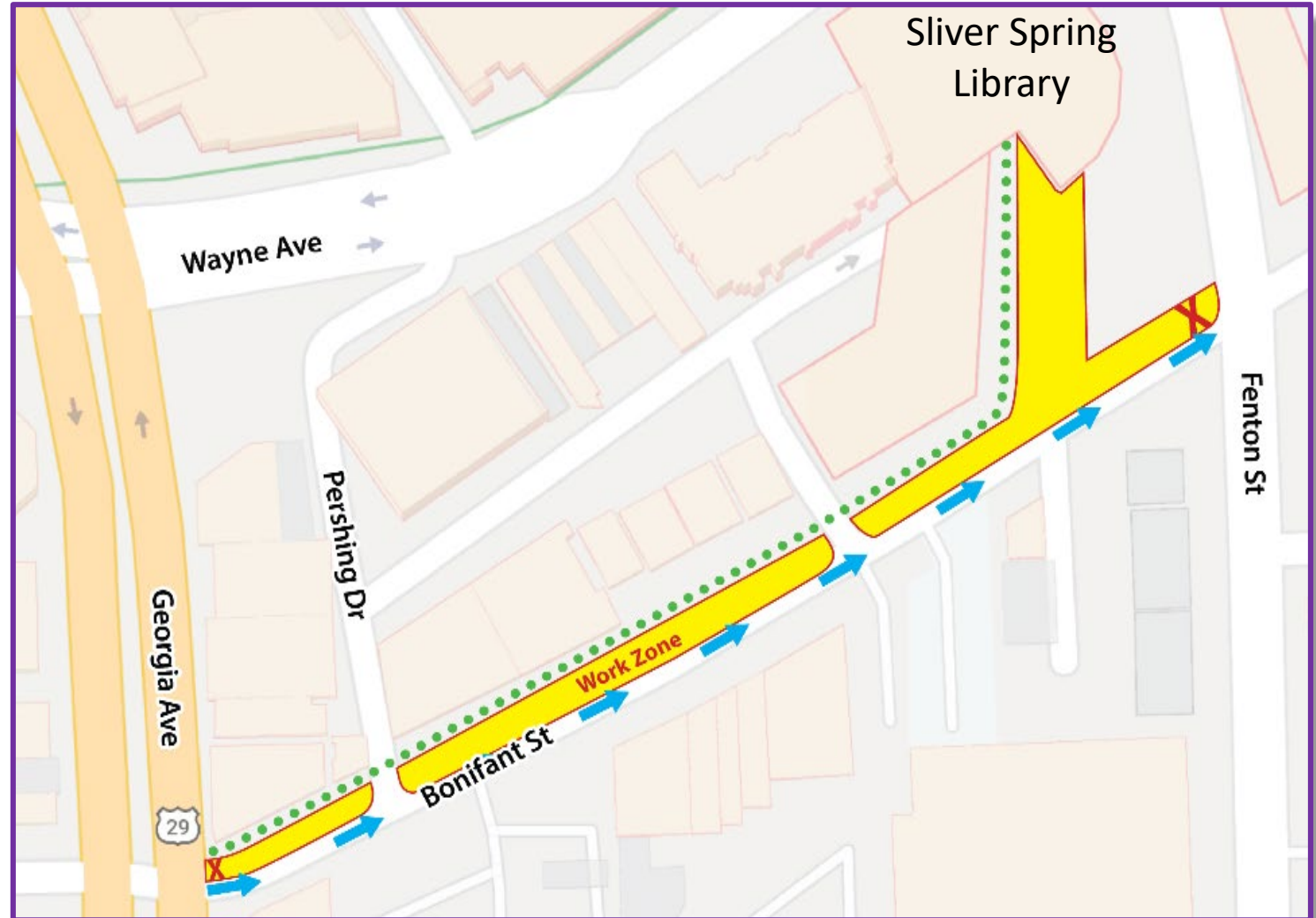
Local Access Only: 
Thru Traffic Detour: 
Work Zone: 
Closure: 



BONIFANT STREET (EAST) LONG-TERM PARTIAL CLOSURE

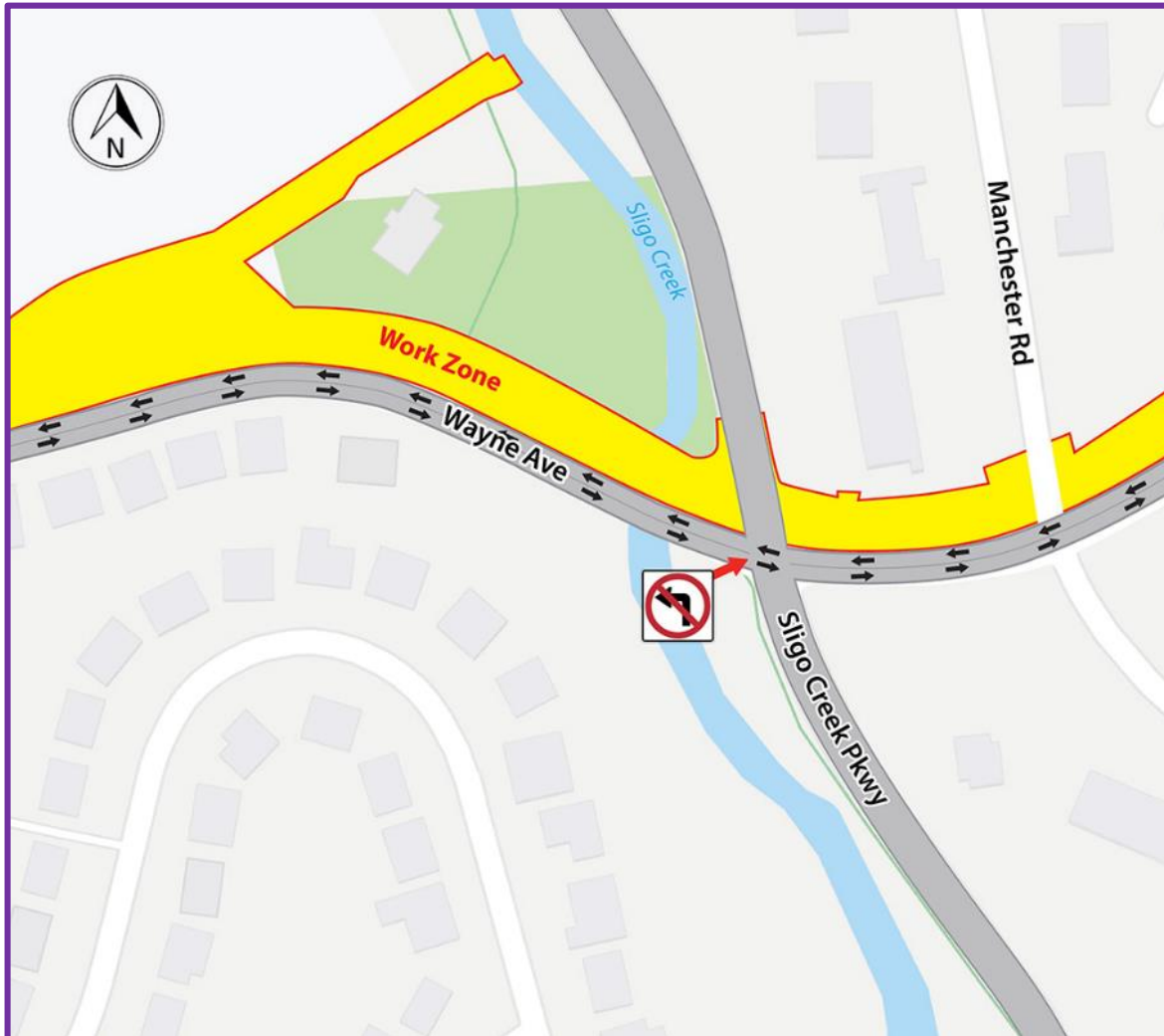
- Scheduled to occur Winter of 2020
- Bonifant East will operate as a one-way street eastbound
- Westbound direction will be closed as a Work Zone
- There will be pedestrian walkways with safety fencing to separate Work Zone from pedestrians
- Local access to businesses will be maintained

Vehicle Access:	
Pedestrian Access:	
Work Zone:	
Closure:	





PHASING OF WAYNE AVENUE OVER SLIGO CREEK

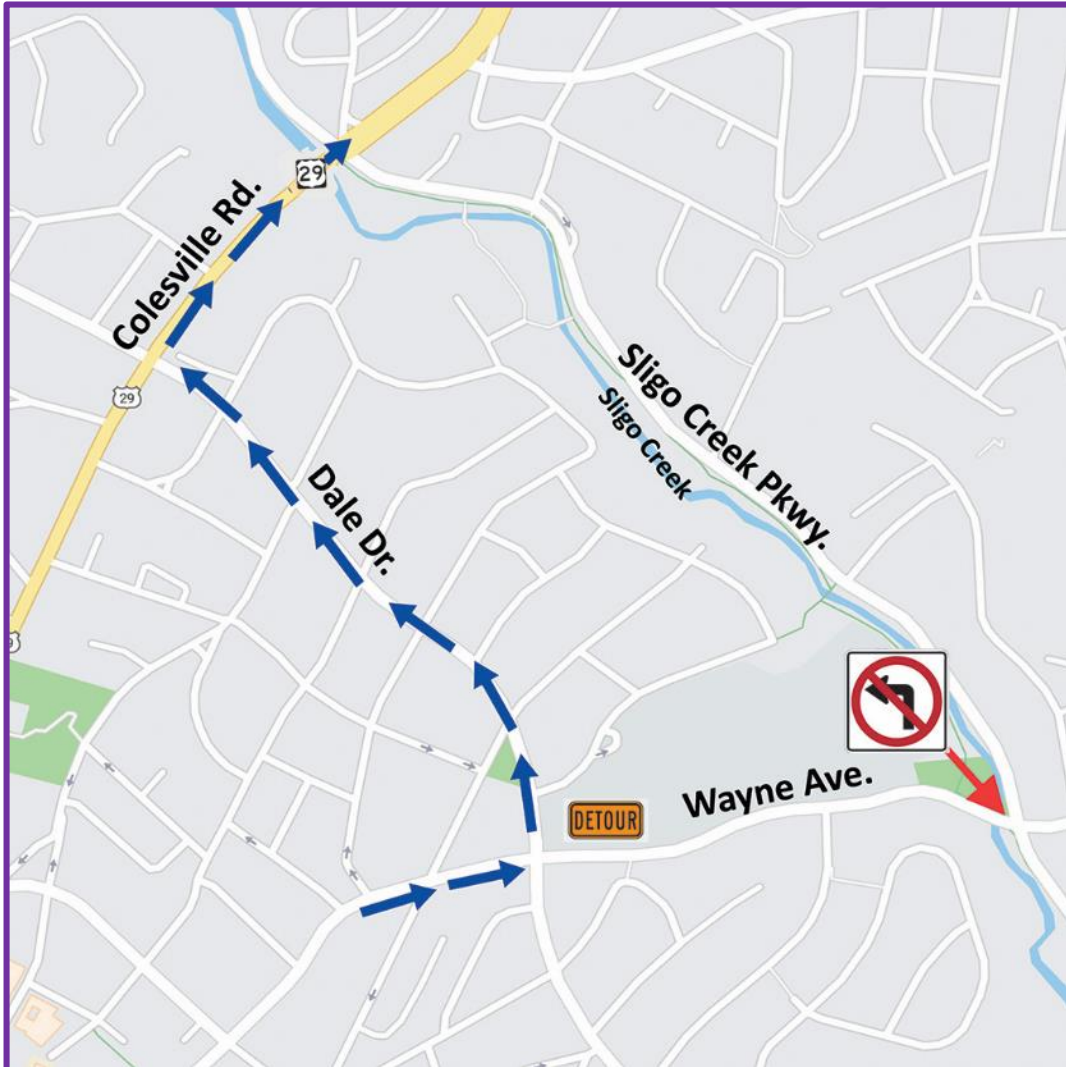


Phase 1 – Winter 2020

- Traffic is reduced to one lane in each direction and shifted to the south side of Wayne Ave.
- During this time, there will be no left turn from eastbound Wayne Ave. to onto Sligo Creek Pkwy.
- Drainage work at Sligo Creek will be performed at night during this phase to not impact trail access



PHASING OF WAYNE AVENUE OVER SLIGO CREEK

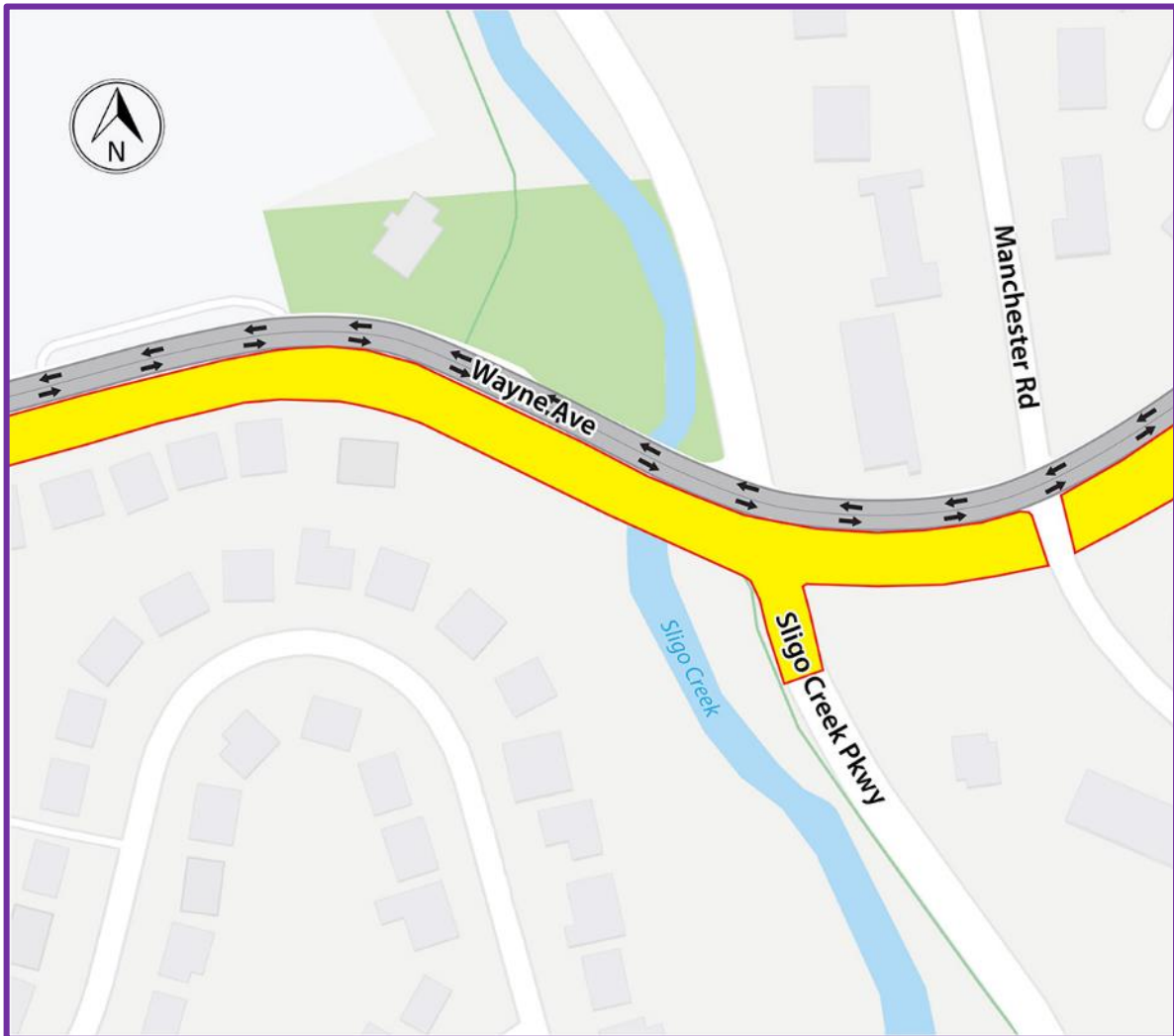


Phase 1 Sligo Creek Pkwy. Detour

- No left turn from eastbound Wayne Ave. onto Sligo Creek Pkwy.
- Detour:
 - Turn left on Dale Dr.
 - Turn right on Colesville Rd.



PHASING OF WAYNE AVENUE OVER SLIGO CREEK

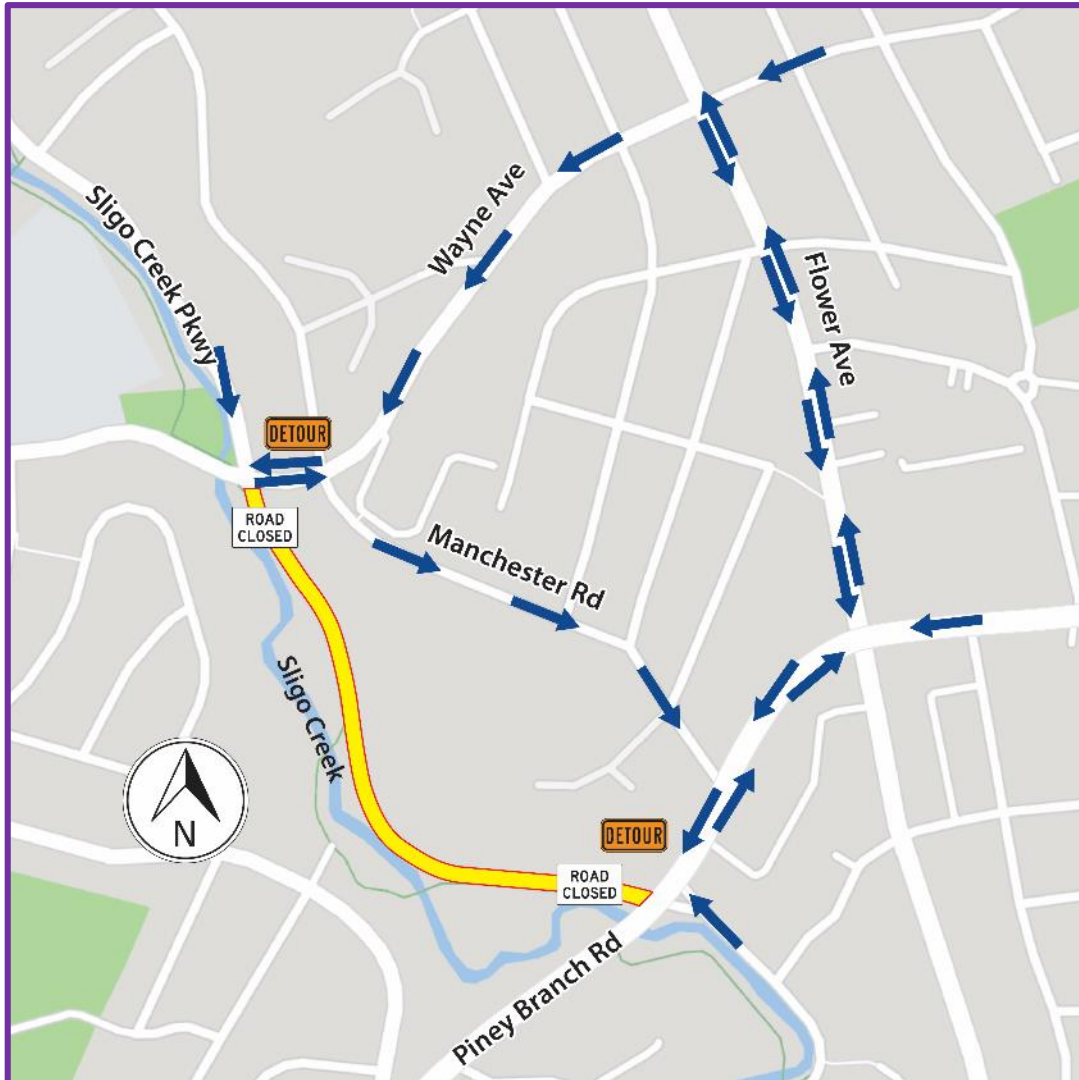


Phase 2 – Fall 2020

- The remainder of the bridge is constructed
- Traffic is shifted to the north side of Wayne Ave. and limited to one lane in each direction
- A portion of Sligo Creek Pkwy. south of Wayne is closed



PHASING OF WAYNE AVENUE OVER SLIGO CREEK



Phase 2 – Sligo Creek Pkwy. Detour

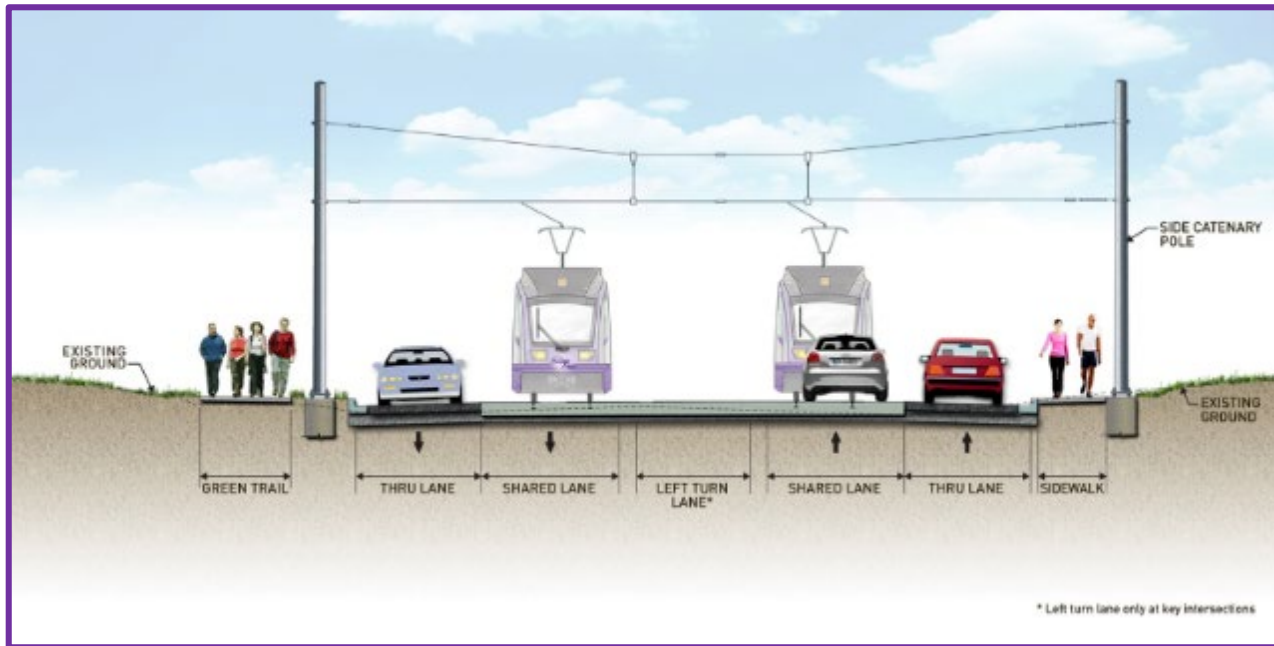
- Sligo Creek Pkwy. is closed between Wayne Ave. and Piney Branch Rd.
- Local traffic access only to Sligo Creek Pkwy. from Piney Branch Rd.

Detour:

- From the south
 - Turn right onto Piney Branch Rd.
 - Turn left on Flower Ave.
 - Turn left on Wayne Ave.
- From the north
 - Turn left on Wayne Ave.
 - Turn right on Manchester Rd.
 - Turn right on Piney Branch Rd.



FINAL CONFIGURATION OF WAYNE AVENUE



- 2 lanes in each direction with dedicated turning lane(s)
 - Turning lane onto Sligo Creek Pkwy.
 - Turning lane onto Manchester Rd.
- Purple Line will share a lane with vehicular traffic



LANDSCAPING

- The urban nature of the Purple Line precludes fully mitigating the loss of trees in adjacent areas
- Approximately 13 acres of reforestation are being integrated into the design of the project directly adjacent to the 16-mile corridor
- The Purple Line can only plant within the project's right-of-way which is extremely narrow in some areas such as Wayne Ave.
 - Montgomery County has tree programs available to residents for trees that can be planted on private property



LANDSCAPING RESTRICTIONS

Planting Restrictions Along the Alignment

- **Sight lines must be maintained:** 20 feet from the edge of travel lanes, primarily at intersections
- **Utility relocations:** Utility offsets are dictated by the individual utility owners but generally require an offset within the range of 10 – 20 feet
- **Catenary wires and poles:** 20 feet from the catenary wire and/or pole
- **Light rail trackway:** 20 feet offset from the outside edge of the track
- **Limits of Disturbance:** no plantings are permitted outside of the project's limit of disturbance
- **Medians** must be greater than 6 feet in width to host any plantings



LANDSCAPING – WAYNE AVENUE

Overstory Trees (83)

9	American Beech
4	American Hornbeam
22	American Sycamore
7	Blackgum
3	Burr Oak
12	Red Maple
11	River Birch
4	Swamp White Oak
11	White Oak

Shade Trees (1)

1	Upright European Hornbeam
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Evergreen Trees (6)

6	Eastern Redcedar
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Flowering Trees (44)

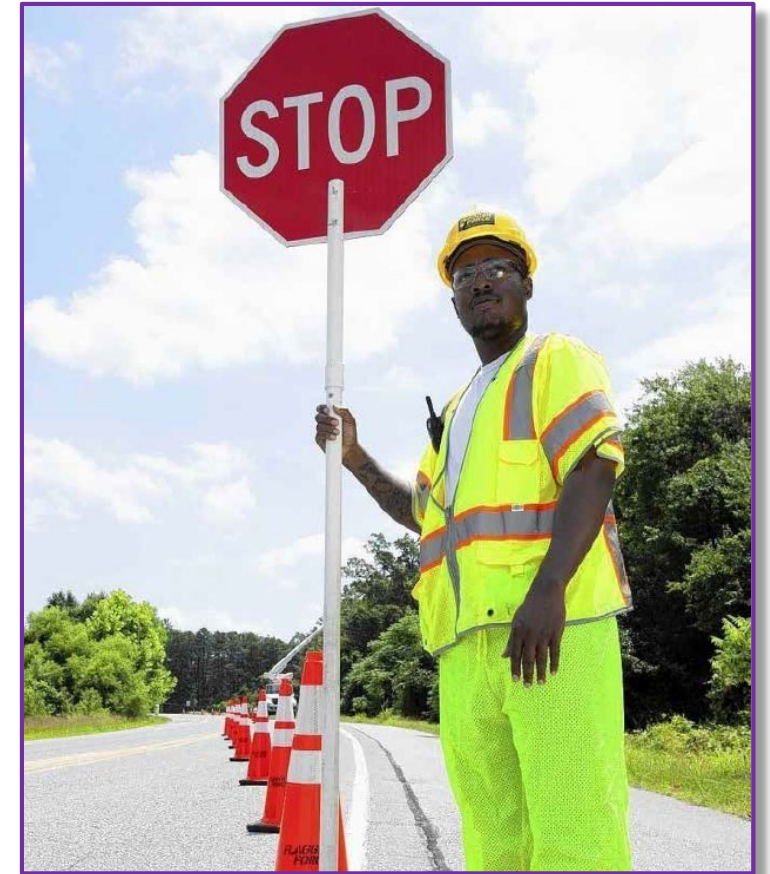
7	Common Serviceberry
9	Eastern Redbud
16	Staghorn Sumac
12	Sweetbay Magnolia

- Additionally more than 530 shrubs and 4,000 groundcover/perennials/ornamental grasses will be planted



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.
- Colesville Rd. night hours during erection of LRV bridge: 7 p.m. – 7 a.m.
- Make-up / maintenance day will be Saturdays and Sundays, as required
- The public will be notified through notifications on purplelinemd.com for:
 - Utility shutdowns
 - Road/driveway closures
 - Pile driving
 - Night work
 - Weekend work
 - Major lane closures



BUSINESS & COMMUNITY OUTREACH

Highlights

- PLTC and its landscaping subcontractor spent a day volunteering at the Silver Spring International Middle School clearing planting beds and sponsoring new plantings for the new school year
- PLTC 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 each county
- PLTC hosted a meet and greet at The Urban Winery with the new Purple Line County Director
- PLTC sponsored the Greater Silver Spring Chamber of Commerce annual Business Golf Classic
- PLTC took the Montgomery county council on a Purple Line project tour





SILVER SPRING INTERNATIONAL MIDDLE SCHOOL LANDSCAPING

In August/September Purple Line Transit Constructors and Flaura Teeter, the Landscaping architects for the project, worked with school volunteers to spruce up the planters at the school before classes started.





STAY UP TO DATE ON PURPLE LINE PROGRESS

Sign up for construction notices at **purplelinemd.com**

- For construction-related questions and concerns, contact PLTC
 - Email: 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
 - Call: 443-451-3706 or 443-451-3705 (Para Español)



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