WELCOME TO GET ON BOARD BRT

WHAT IS BRT?

A reliable, new transit option for Montgomery County.

BRT is a reliable, new transit option coming to Montgomery County. BRT, or Bus Rapid Transit, is a bus-based rapid transit system with features that improve reliability and capacity, so you can get where you need to go quickly.



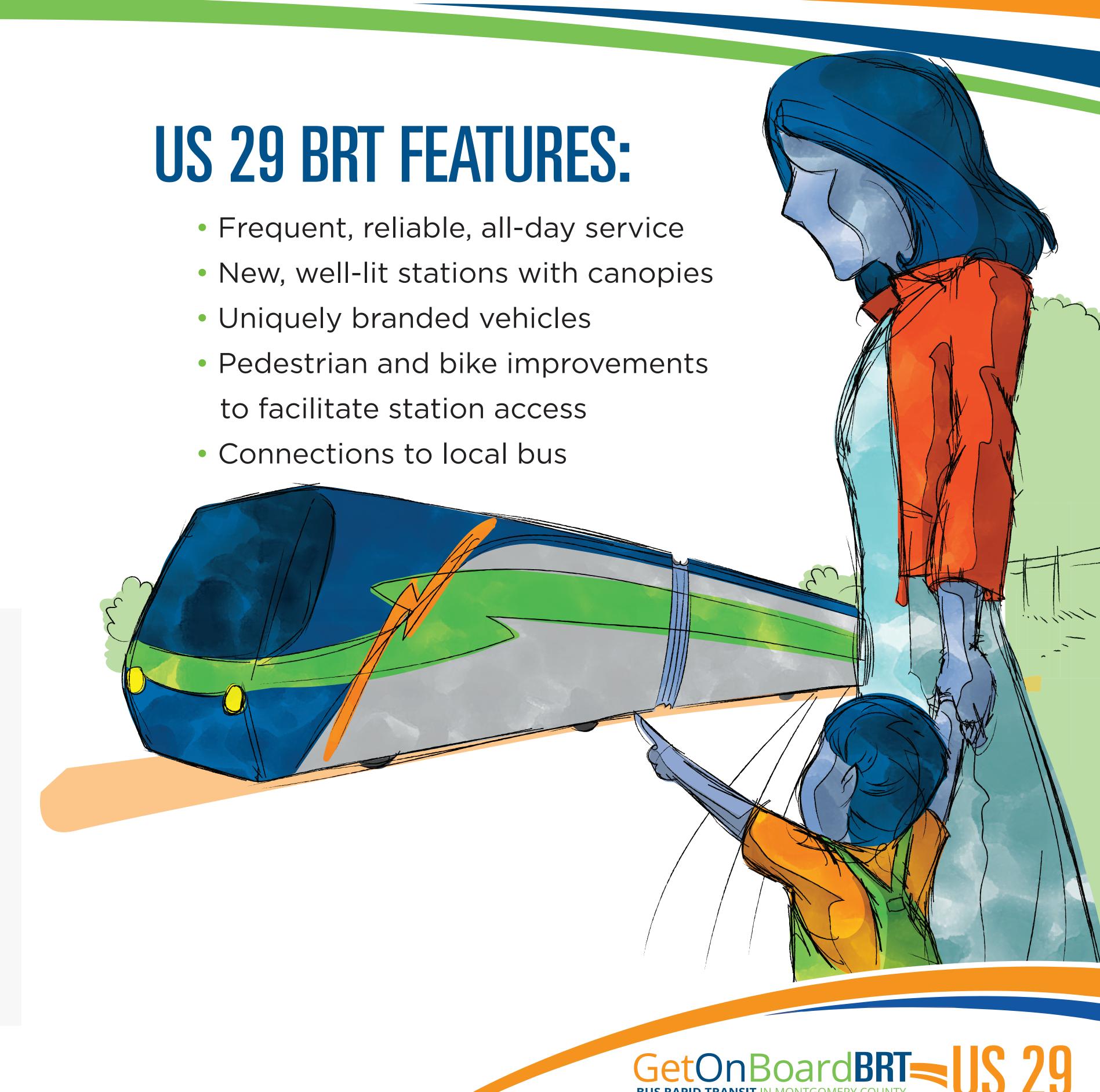
Rapid: Features like limited stops, off-board fare collection, and level-boarding through all doors make for a faster ride.



Reliable: You'll never wait long and you'll see real-time travel information on message boards at the station so you'll know exactly when the next BRT arrives.



Relaxing: Avoid the stress associated with driving: use Wi-Fi on-board to be more productive, read a book, or simply use the time to rest.



BRT ON US 29

MCDOT is designing and constructing a BRT service along US 29 to meet the needs of residents and businesses along this busy route.

SERVICE PATTERNS

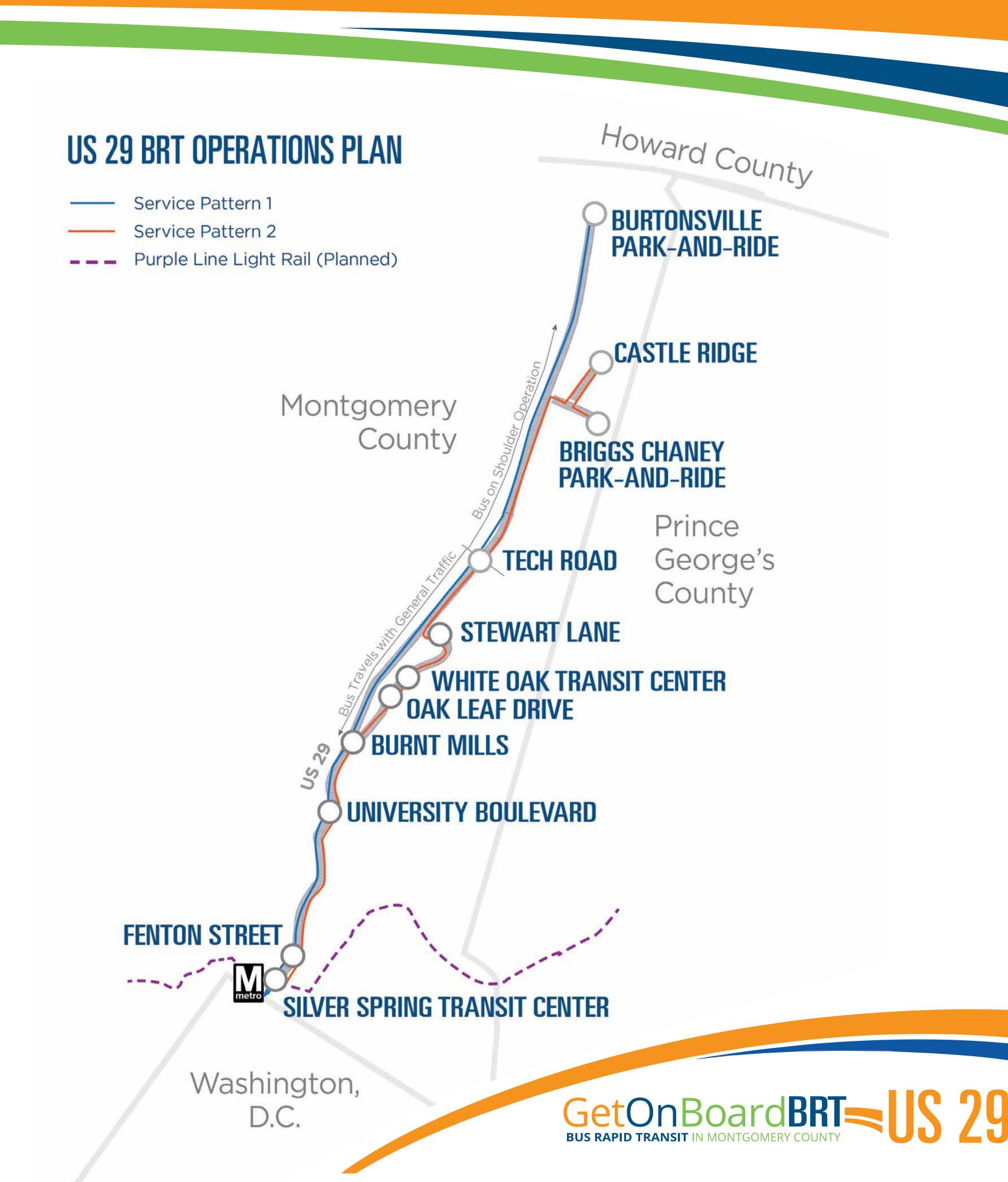
- The service will travel 13.5 miles from the Silver Spring Transit Center to Burtonsville
- BRT will operate two service patterns: one from Burtonsville to Silver Spring, and the other from Briggs Chaney to Silver Spring

USE OF ROADWAY

- BRT will use existing bus-on-shoulder lanes on US 29 in the northern section of the corridor (north of Tech Road)
- BRT will travel with general traffic in the southern section of US 29 and along Lockwood Drive, Stewart Lane, Briggs Chaney Road, and Castle Boulevard

SERVICE PLANS

- BRT will run every 7.5 minutes during the peak period (AM/PM rush hours) and every 15 minutes during the off-peak period*
- The proposed span of service is from 5 am to midnight, 7 days a week*
- The US 29 corridor includes local bus services that will supplement and connect to the high-frequency BRT network



^{*}Service plans are preliminary and subject to change.

PROJECT SCHEDULE AND BUDGET

PROJECT SCHEDULE

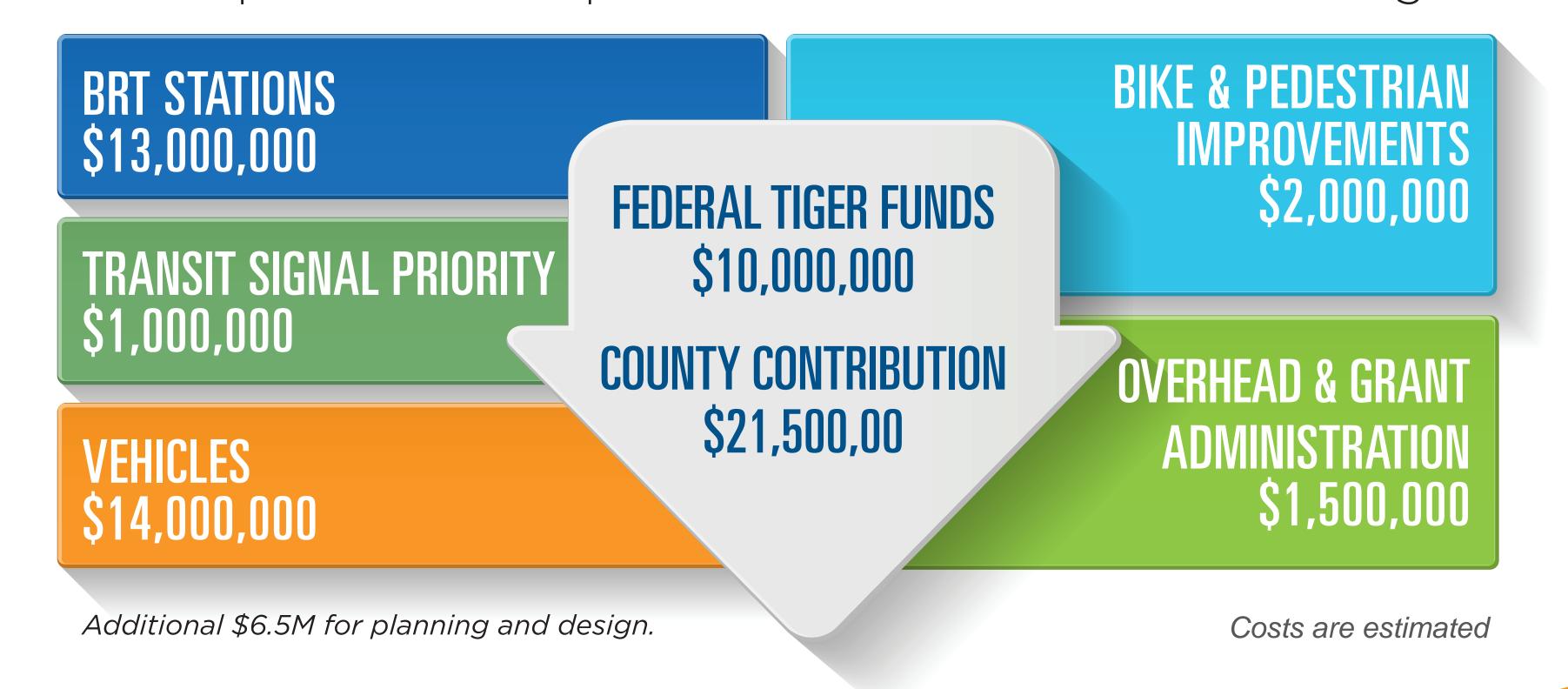
US 29 will be the first BRT line to open in the state of Maryland with service expected to begin in 2020.



PROJECT BUDGET

The implementation cost for the US 29 BRT project is estimated to be \$31.5 million, \$10 million of which will be paid by the Federal government as part of a Transportation Infrastructure Generating Economic

Recovery (TIGER) grant.



BRT FEATURES AT THE STATIONS

LEVEL BOARDING to allow for faster, easier boarding for riders with disabilities, bicycles or strollers



eliminating the need to wait for other riders to pay their fare on the bus





REAL-TIME TRANSIT INFORMATION

arriving

to inform passengers when ALL DOOR BOARDING to eliminate the line at the front of the next BRT vehicle is boarding process





BRT VEHICLES INCLUDE FEATURES TO IMPROVE YOUR RIDE

ON-BOARD WI-FI AND USB CHARGING PORTS

to catch up on the news or start your workday during your commute

ON-BOARD BICYCLE STORAGE

lets passengers easily transfer from bicycles to BRT and decreases travel delays by eliminating external bike racks on the front of the bus

UNIQUE BRANDING

that makes BRT systems look and feel different from local buses and helps riders easily tell the difference between the BRT service and the local bus service

TRANSIT SIGNAL PRIORITY (TSP)

- A system allowing BRT vehicles to communicate with traffic signals
- Green lights can be extended and red lights can be truncated by 5-10 seconds to help BRT pass through intersections when certain conditions are met. This minimizes the amount of time that BRT stops for anything other than passengers
- TSP can be monitored in real time, allowing adjustments to be made based on observed conditions







BICYCLES AND BRT

The US 29 BRT project includes improvements to the bike network along US 29.

BIKE AND PEDESTRIAN IMPROVEMENTS

- Improvements to bike and pedestrian access near BRT stations
- Bike racks at some BRT stations
- On-board bicycle storage
- Level boarding to help easily transport bicycles onto the BRT
- 10 new Capital Bikeshare docks along the corridor

ABOUT CAPITAL BIKESHARE

- Designed for point-to-point short trips of under 30 minutes
- 70 stations are in operation in Montgomery County with more coming soon!
- 10 new Capital Bikeshare Stations serving US 29 corridor will be funded by the project's federal TIGER Grant





BENEFITS



TRAVEL TIME SAVINGS:

The more efficient operation of BRT on US 29 is expected to result in a 22-35% corridor travel time savings over current local bus service.



ACCESSIBILITY:

US 29 BRT will increase regional connections and access to a fast-growing jobs corridor, and will improve transit access and provide upward mobility to transit-dependent populations along the corridor.



ECONOMIC BENEFITS:

The US 29 BRT project is estimated to result in \$269-520 million of economic net benefit. Development of the White Oak Science Gateway will benefit substantially from the presence of high-quality transit service such as the US 29 BRT.



ATTRACTING NEW RIDERS AND PROVIDING BETTER SERVICE FOR EXISTING RIDERS:

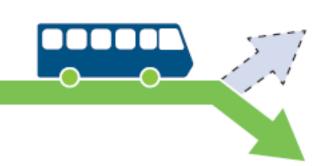
US 29 BRT is projected to have 13,000 daily boardings in 2020 and 20,000 daily boardings in 2040. This number of daily boardings exceeds the ridership for most BRT lines in the United States.



EFFICIENCY:

The US 29 BRT project team is examining how efficiencies could be implemented on all transit routes (local bus, limited stop bus, and future BRT service) operating along the corridor through a review of service operations.

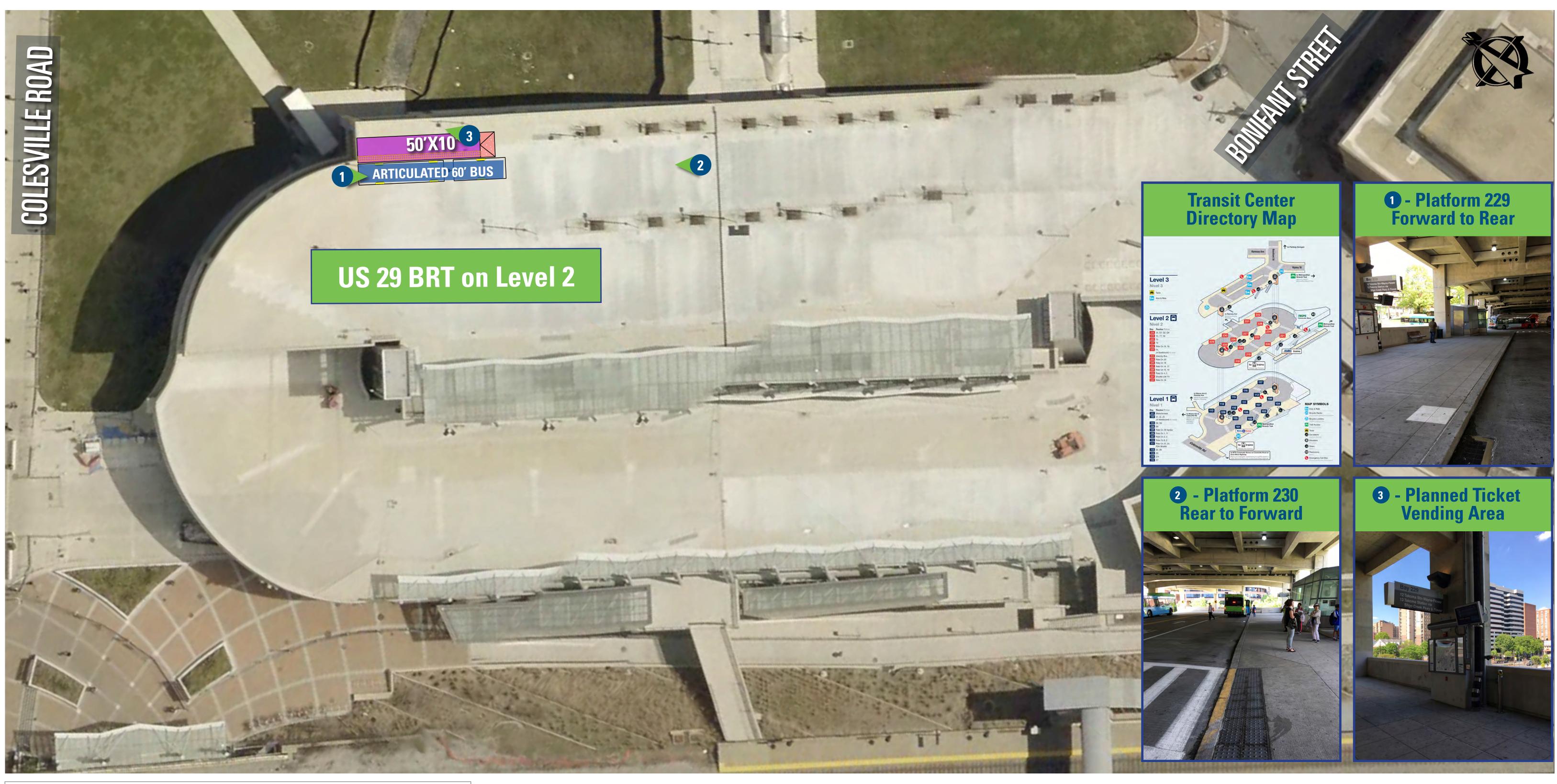
Currently the US 29 corridor is served by 19 local and six commuter bus routes, all of which are being studied concurrently as part of this planning process.

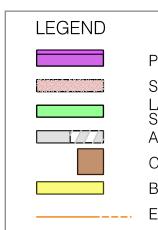


We appreciate any comments you have on the current service, and encourage you to engage in our mapping activity!



SILVER SPRING TRANSIT CENTER





PLATFORM ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

XXXX LANDSCAPING

CONCRETE PAVEMENT PERMANENT EASEMENT

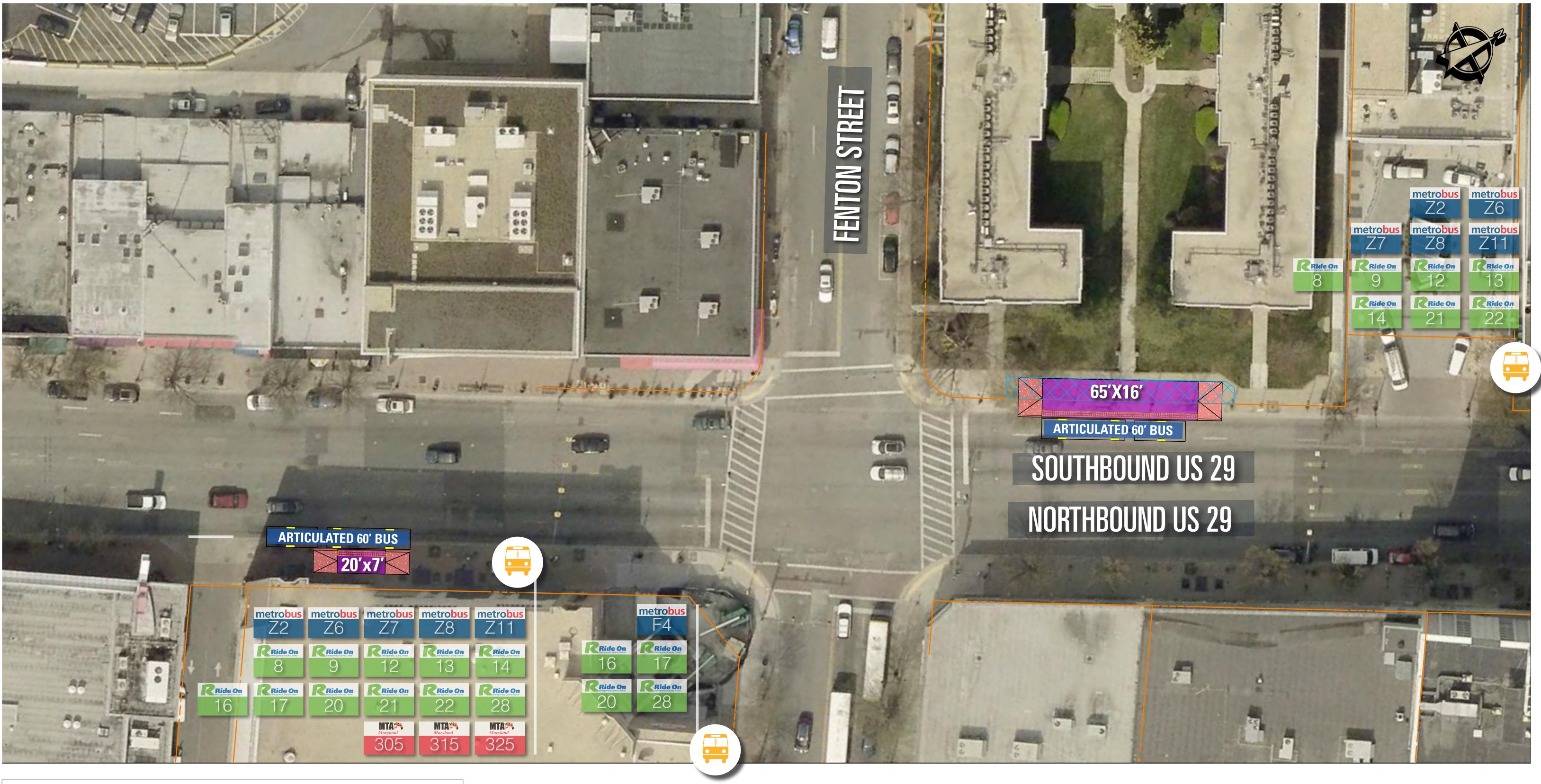
RELOCATED BUS STOP

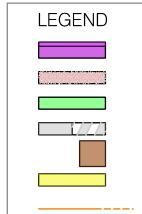
BIKESHARE STATION

S BIKE LANE STORMWATER MGMT SYSTEM OPERATOR REST STATION CURRENT BUS STOP



FENTON STREET





PLATFORM ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

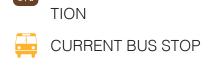
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CONCRETE PAVEMENT PERMANENT EASEMENT LANDSCAPING

BIKESHARE STATION

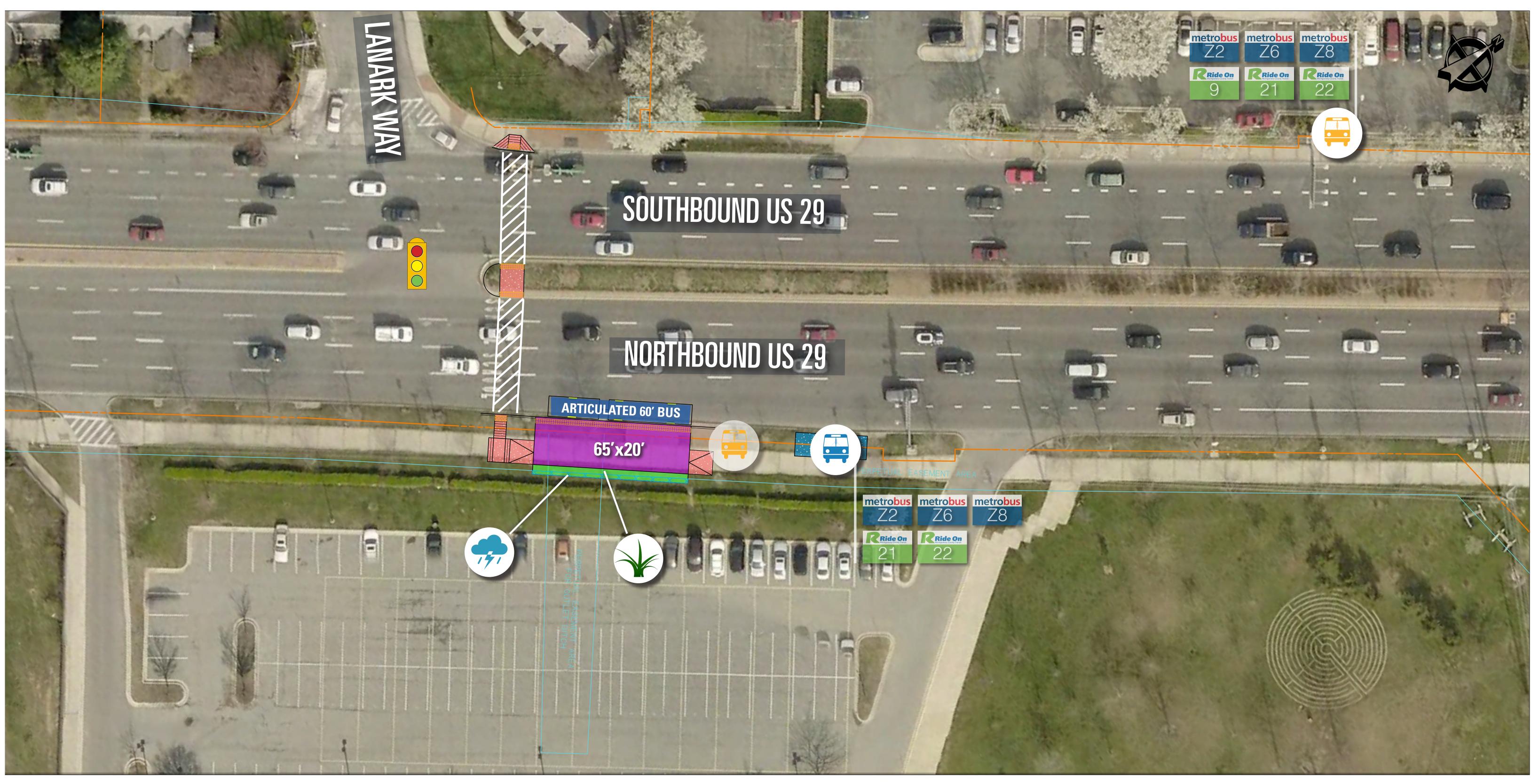
RELOCATED BUS STOP

BIKE LANE STORMWATER MGMT SYSTEM OPERATOR REST STATION





NORTHBOUND UNIVERSITY BOULEVARD



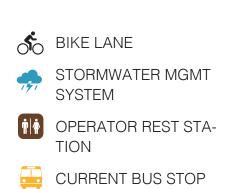


PLATFORM ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

XXXX LANDSCAPING

CONCRETE PAVEMENT PERMANENT EASEMENT

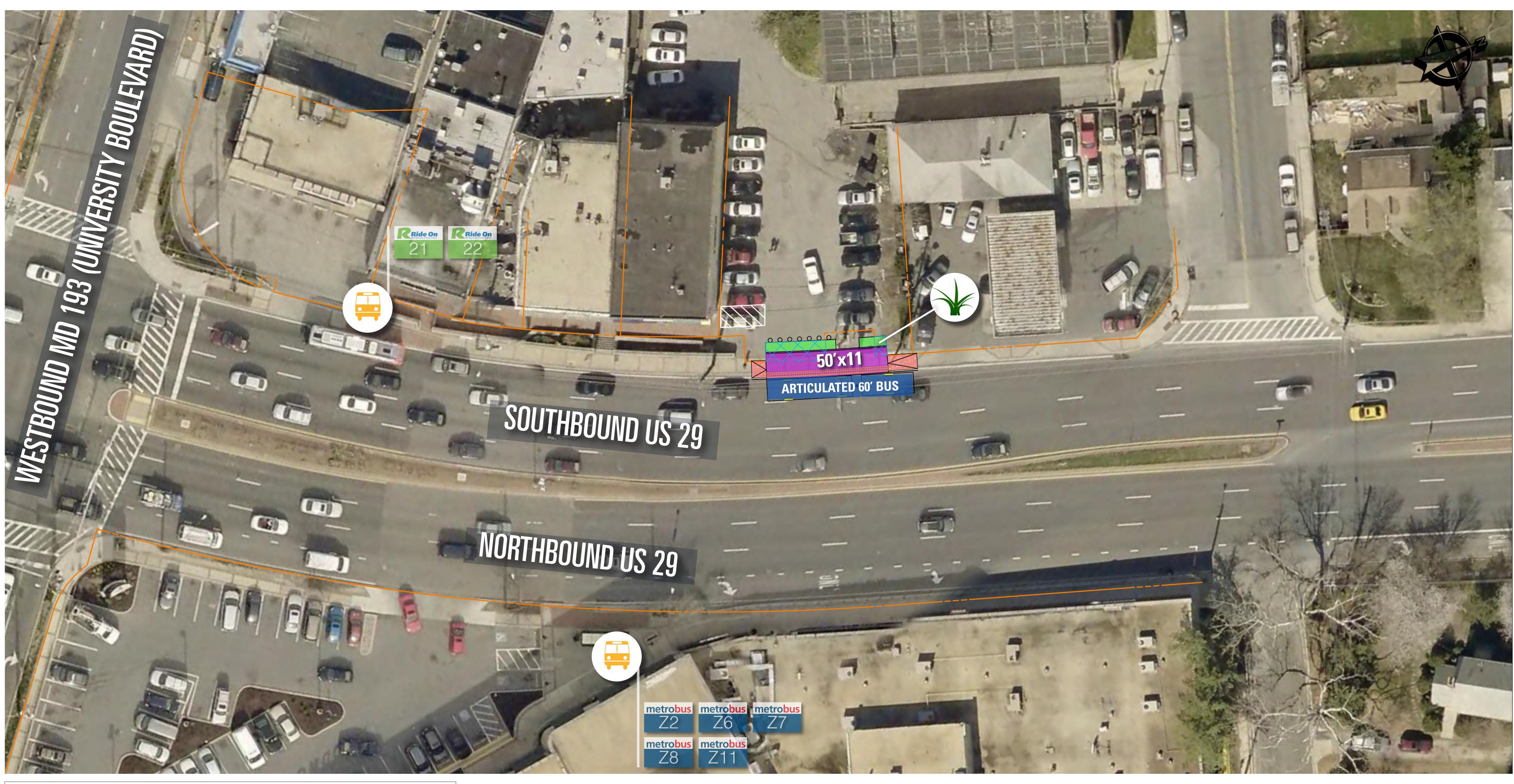
RELOCATED BUS STOP BIKESHARE STATION

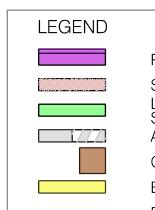


PROPOSED SIGNAL



SOUTHBOUND UNIVERSITY BOULEVARD



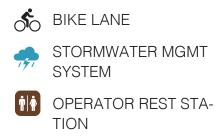


PLATFORM ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

XXXX LANDSCAPING

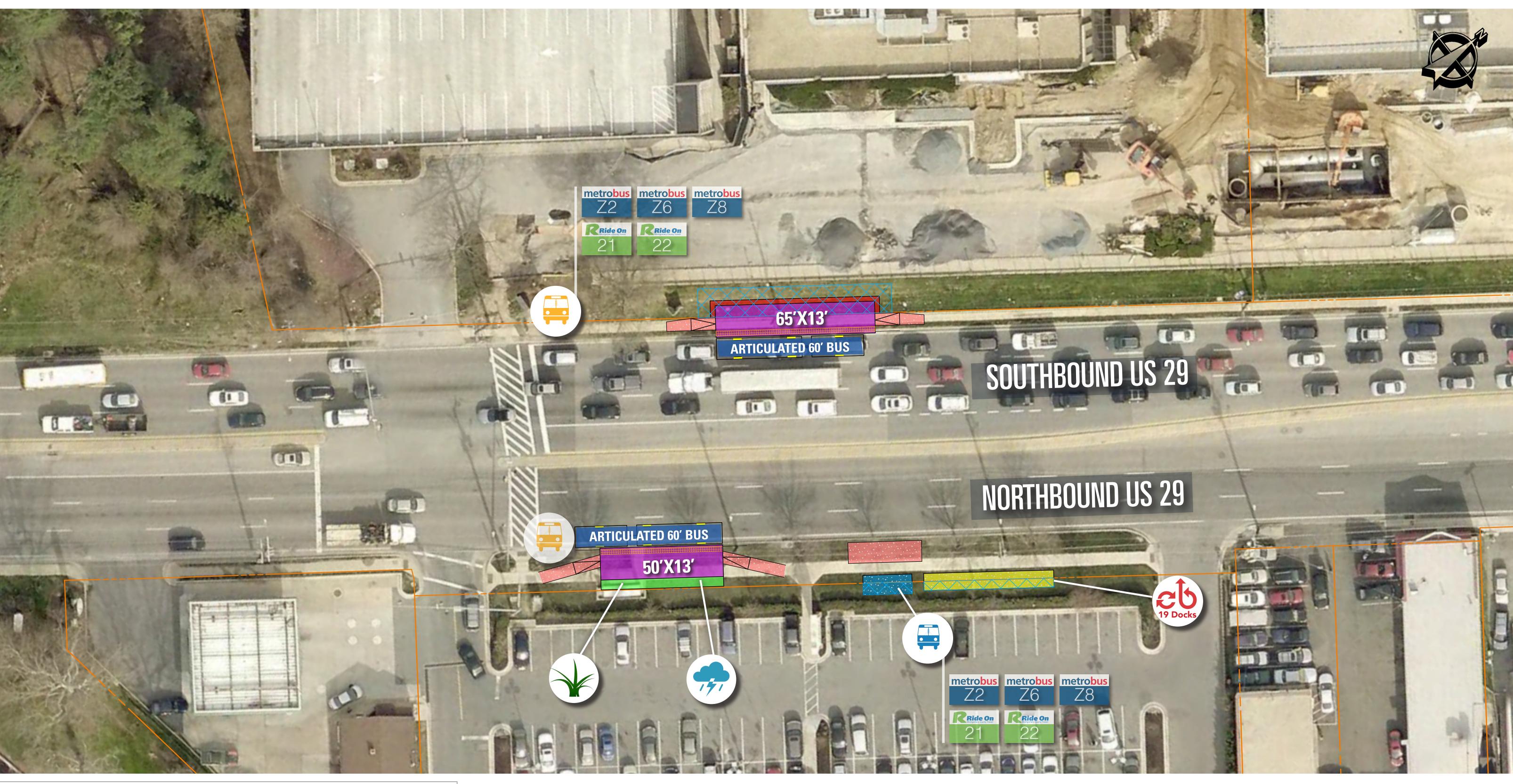
CONCRETE PAVEMENT PERMANENT EASEMENT

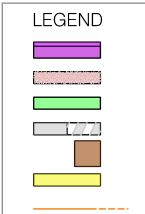
RELOCATED BUS STOP BIKESHARE STATION





BURNT MILLS



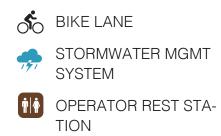


PLATFORM ASPHALT / RESURFACING BIKESHARE STATION EXISTING ROW

XXXX LANDSCAPING

PERMANENT EASEMENT

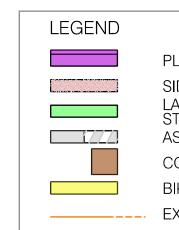
RELOCATED BUS STOP BIKESHARE STATION





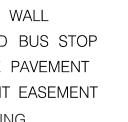
OAK LEAF DRIVE



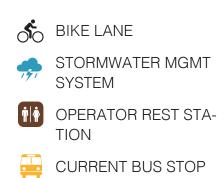


ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

RETAINING WALL CONCRETE PAVEMENT PERMANENT EASEMENT XXXXLANDSCAPING



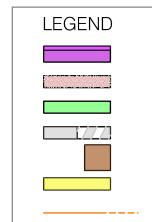
RELOCATED BUS STOP BIKESHARE STATION





WHITE OAK TRANSIT CENTER





PLATFORM ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

RETAINING WALL XXXX LANDSCAPING

CONCRETE PAVEMENT PERMANENT EASEMENT

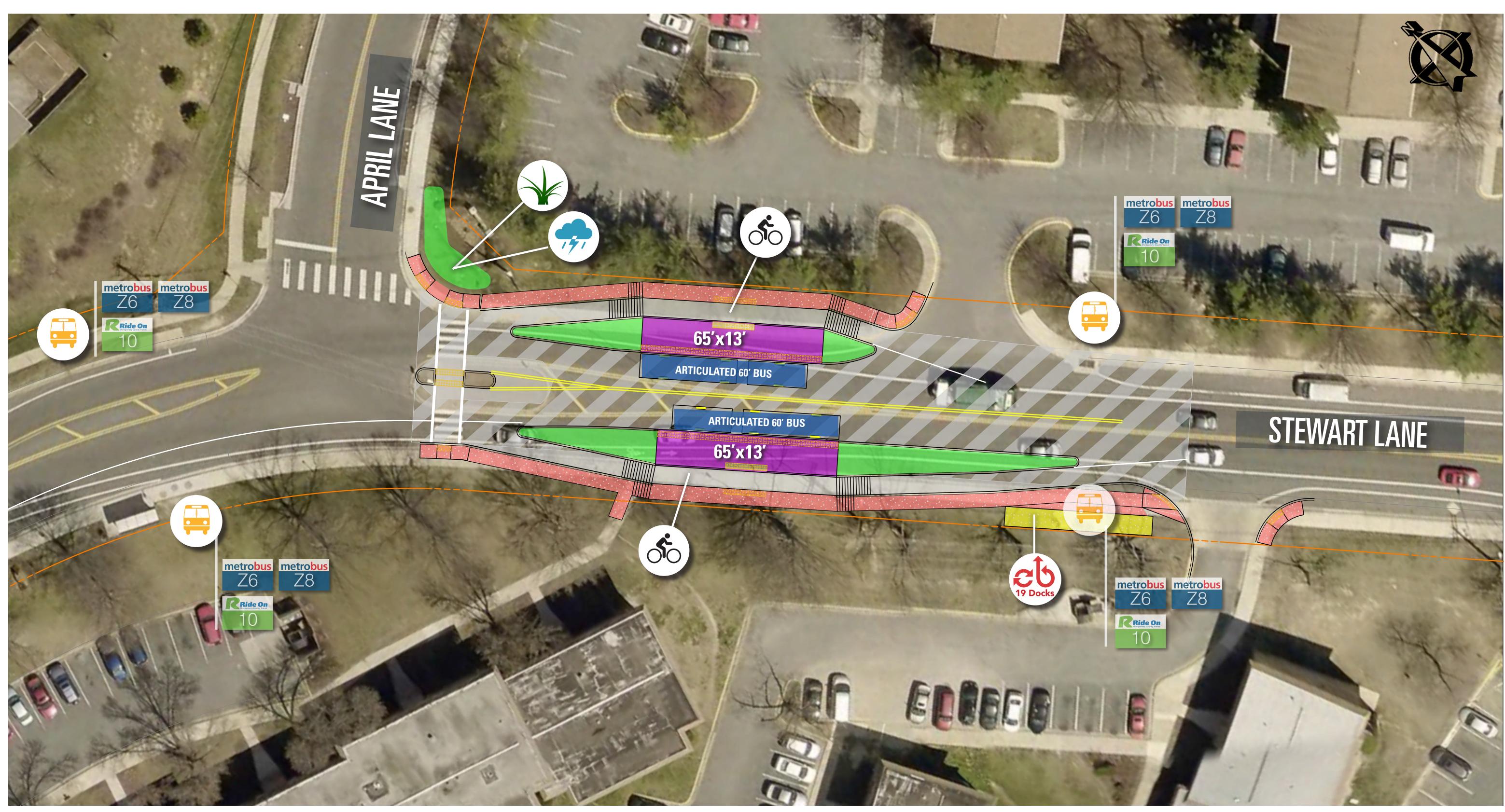
RELOCATED BUS STOP

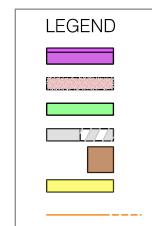
BIKESHARE STATION





STEWART LANE





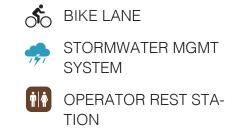
PLATFORM ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

XXXX LANDSCAPING

CONCRETE PAVEMENT PERMANENT EASEMENT

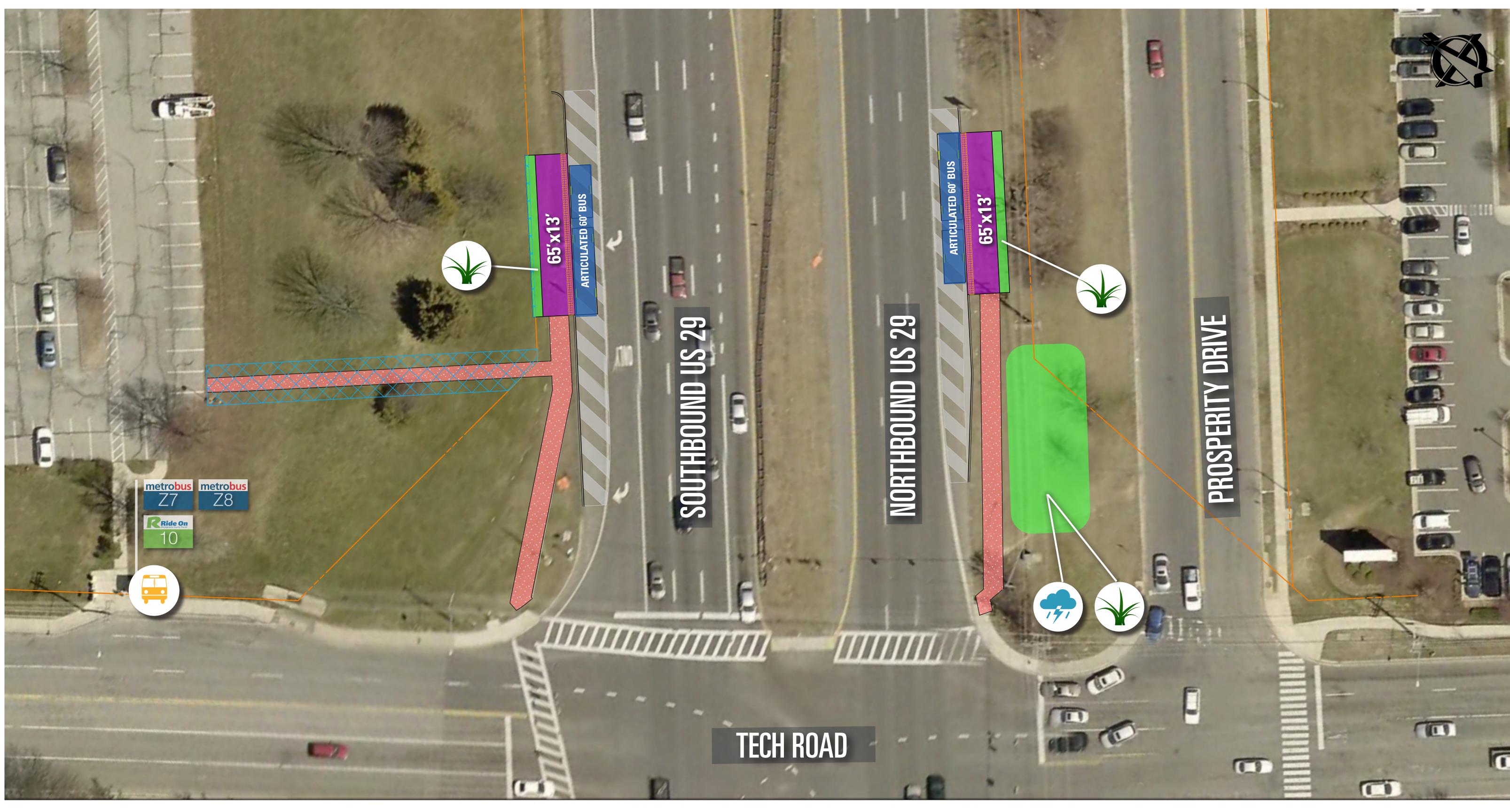
RELOCATED BUS STOP

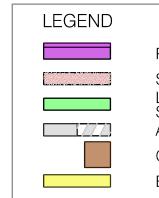
BIKESHARE STATION





TECH ROAD



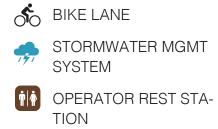


PLATFORM ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

RETAINING WALL XXXX LANDSCAPING

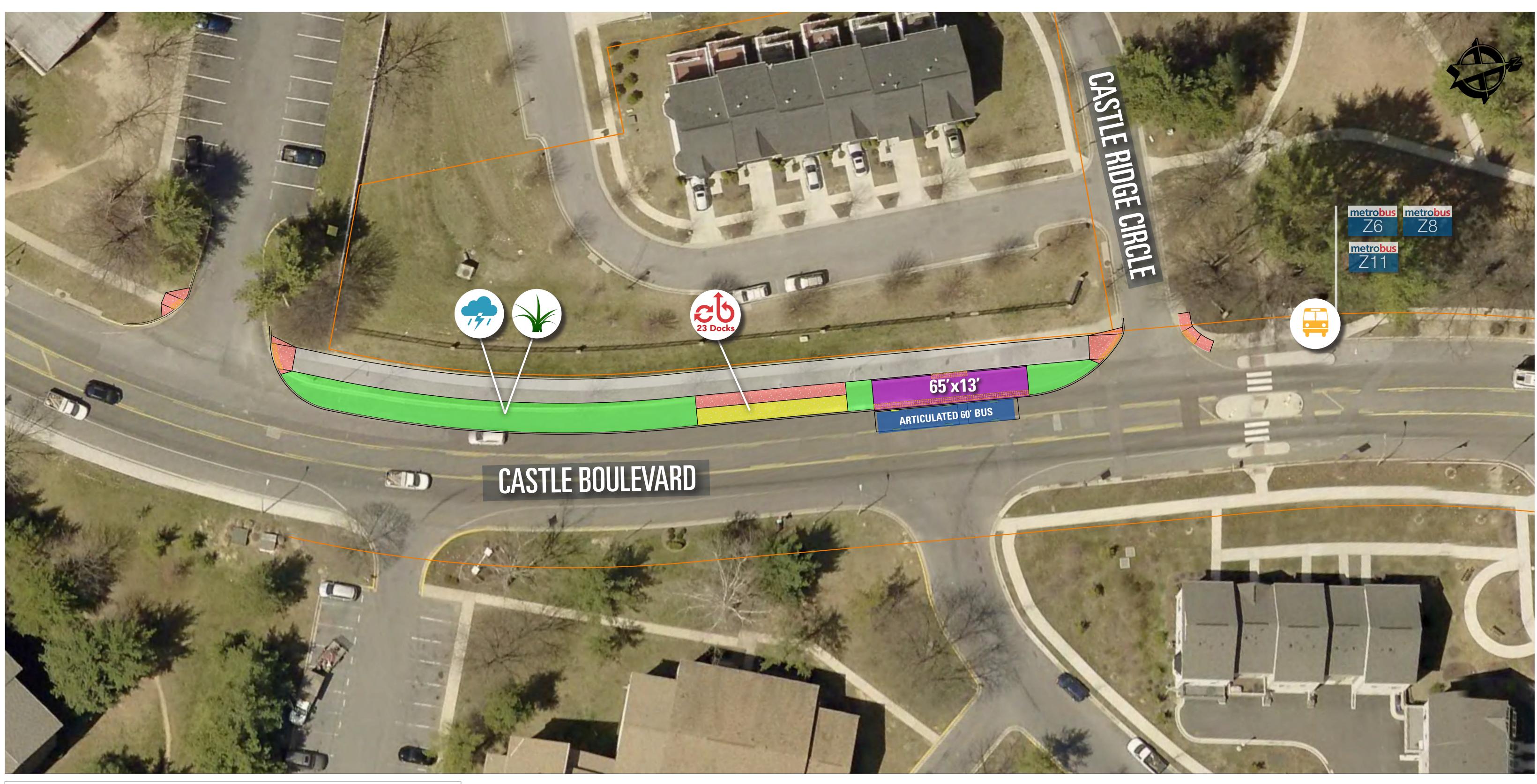
CONCRETE PAVEMENT PERMANENT EASEMENT RELOCATED BUS STOP

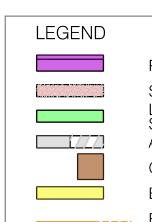
BIKESHARE STATION





CASTLE BOULEVARD



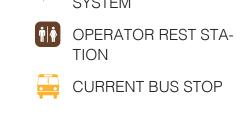


ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

CONCRETE PAVEMENT PERMANENT EASEMENT XXXXLANDSCAPING RELOCATED BUS STOP

BIKESHARE STATION

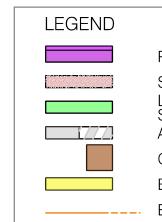






BRIGGS CHANEY PARK and RIDE





PLATFORM ASPHALT / RESURFACING COMFORT STATION BIKESHARE STATION EXISTING ROW

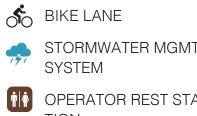
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CONCRETE PAVEMENT PERMANENT EASEMENT

LANDSCAPING

RELOCATED BUS STOP

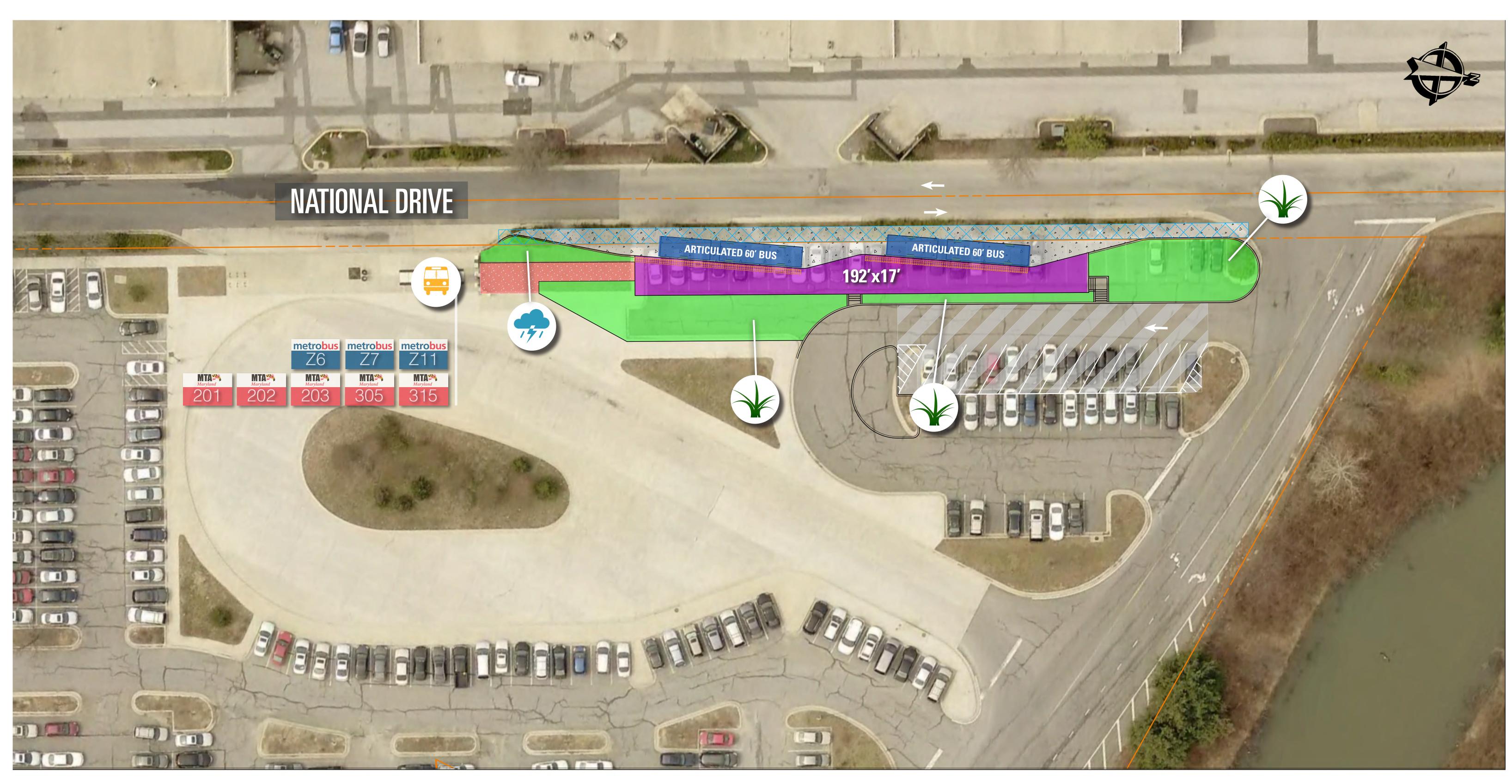
BIKESHARE STATION

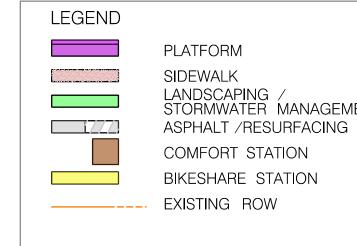


STORMWATER MGMT SYSTEM OPERATOR REST STATION CURRENT BUS STOP

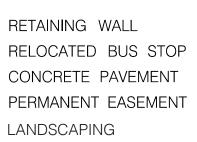


BURTONSVILLE PARK and RIDE

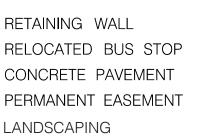




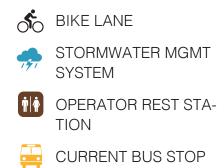




BIKESHARE STATION

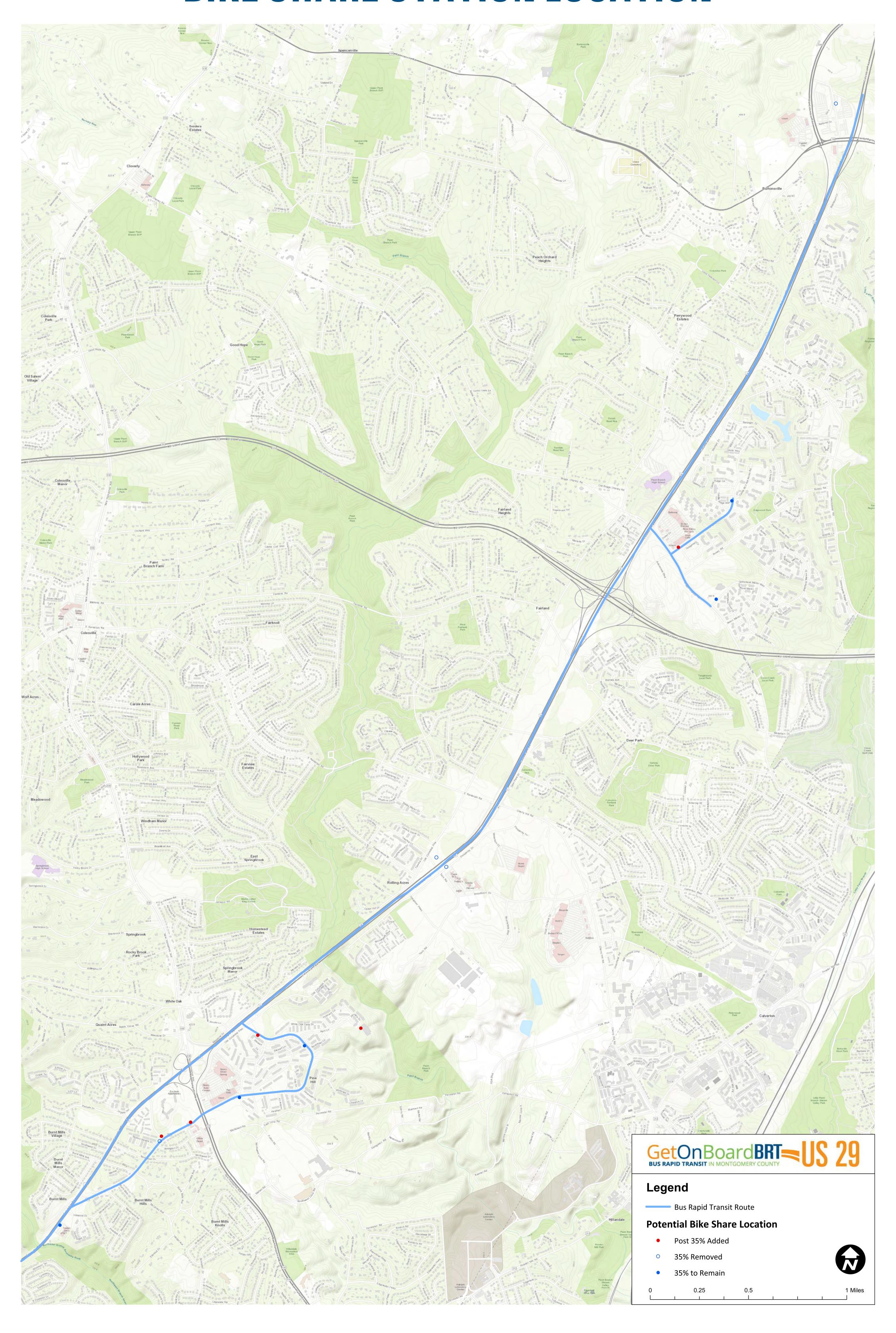








BIKE SHARE STATION LOCATION



BRT STATION PROTOTYPE DESIGN

Goals and Feedback

PROTOTYPE STUDY - BACKGROUND

MCDOT received a grant from the Metropolitan Washington Council of Governments Transportation/Land-Use Connections Program (MWCOG TLC) to develop a BRT Station Prototype for the County's future BRT Network.

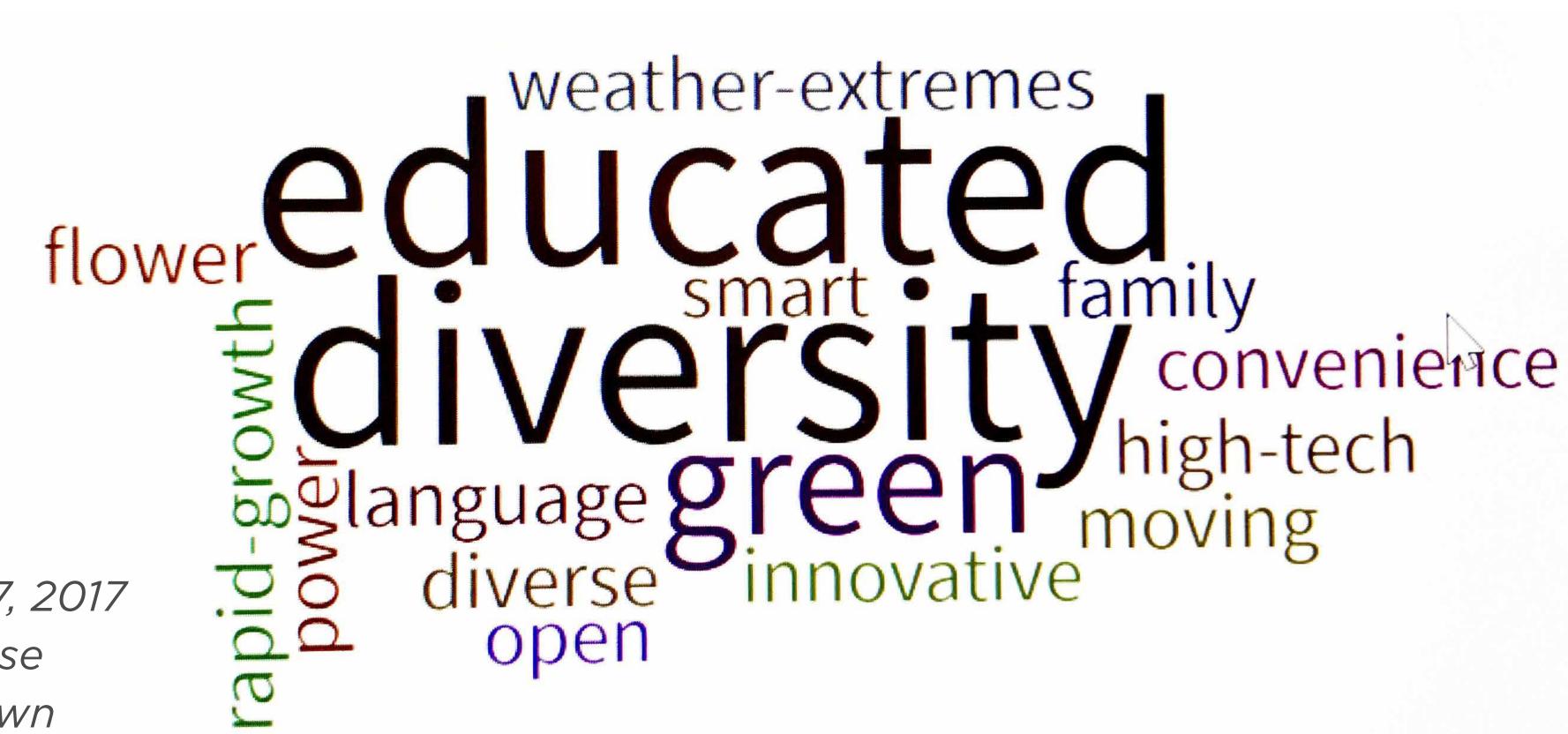
The design scope is to develop a Prototype Station Design with interchangeable, modular components, that can be adapted for all corridors with an initial focus on US 29, MD 355, and MD 586.

BRT STATION PROTOTYPE - DESIGN GOALS

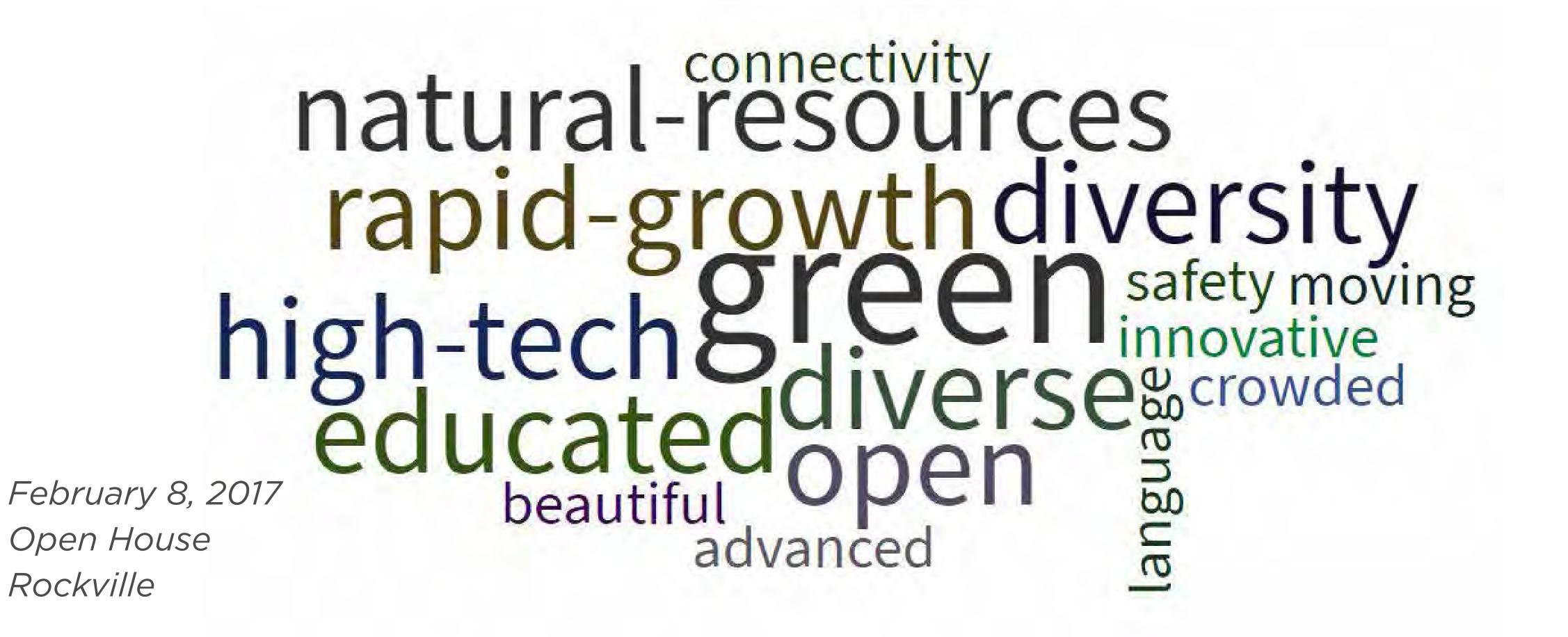
- 1. Easy to Find and Use
- 2. Accessible
- 3. Safe and Comfortable
- 4. Adaptable and Context Sensitive
- 5. Maintainable
- 6. A Good Life-Cycle Investment

PREVIOUS PUBLIC OPEN HOUSES - WHAT WE HEARD

Describe in one word how a design might reflect the character and quality of Montgomery County?



February 7, 2017 Open House Germantown

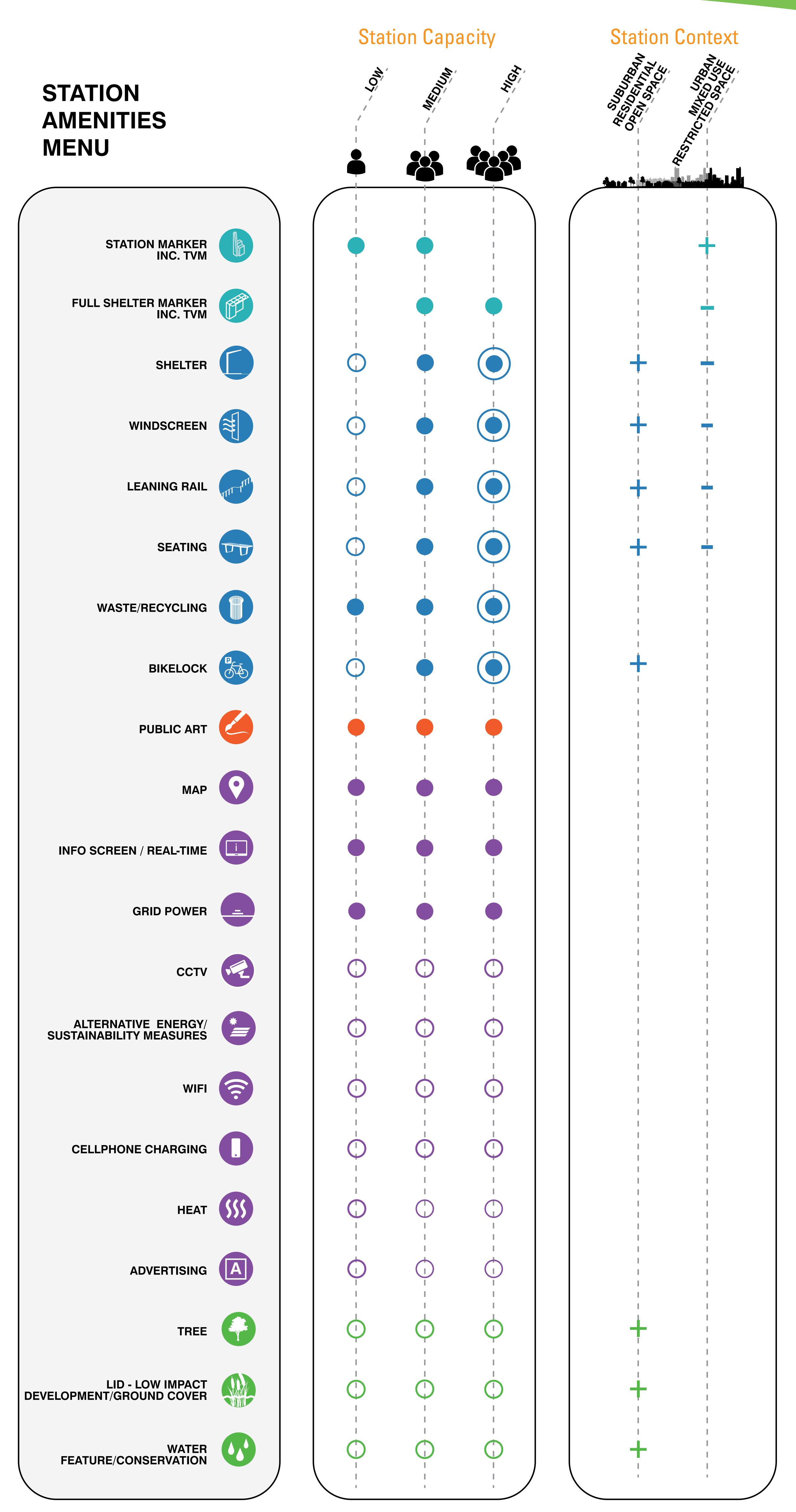


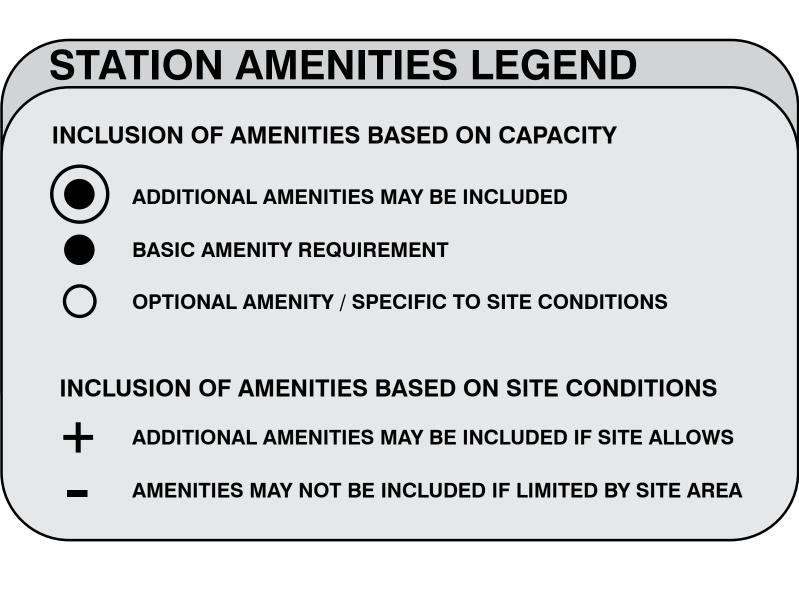
high-tech rapid-growth opengreen moving diversity diverse diverse diverse beautiful advanced

March 7, 2017
Open House
Silver Spring Civic Center

STATION COMPONENTS MATRIX

Program, Capacity, and Context







BRT PROTOTYPE CONCEPT

Components and Adjacent Improvements

PERSPECTIVE





COMPONENTS

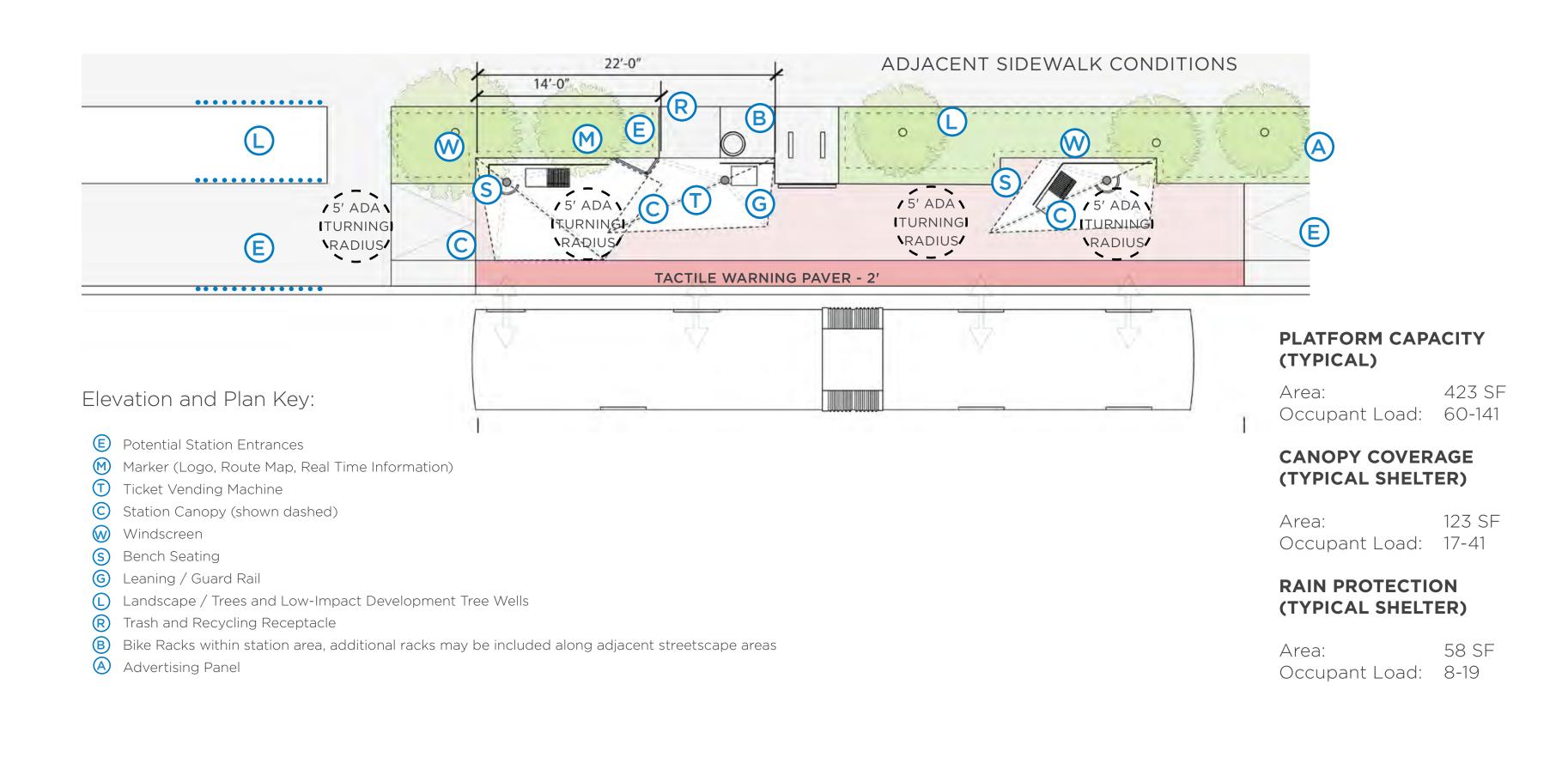
- MARKER W/ LOGO, REAL TIME & MAP (STONE, METAL, INTEGRATED LED LIGHT)
- TICKET VENDING/READING MACHINE TVM (FREE STANDING)
- CANOPY STRUCTURE (METAL, INTEGRATED LEANING RAIL, LIGHTING)
- CANOPY ROOF PANELS
- WINDSCREEN (FREE STANDING BACK, SIDE, FRONT)
- SEATING (STONE, WOOD)
- TRASH/RECYCLING RECEPTACLE
- LANDSCAPE LOW IMPACT DEVELOPMENT, TREES, AND PLANTINGS

ADJACENT IMPROVEMENTS

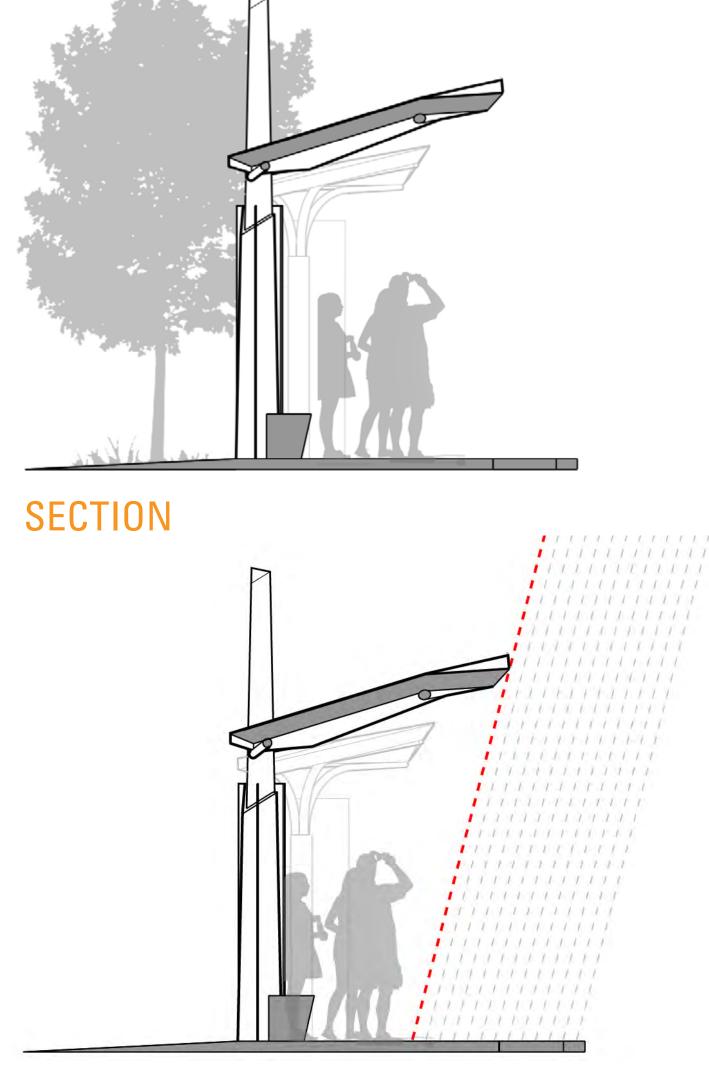
- ACCESS
- POTENTIAL TREES, LANDSCAPE, STORMWATER MANAGEMENT
- BIKE RACKS

PLAN W/ GENERAL ADJACENT IMPROVEMENTS

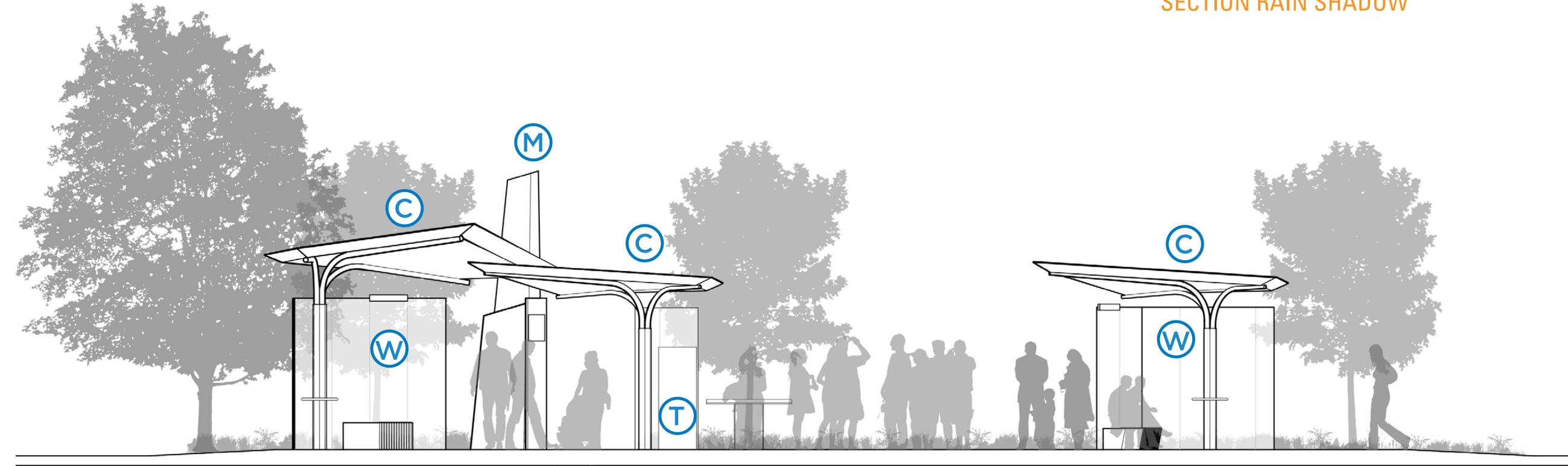
ELEVATION



SECTION

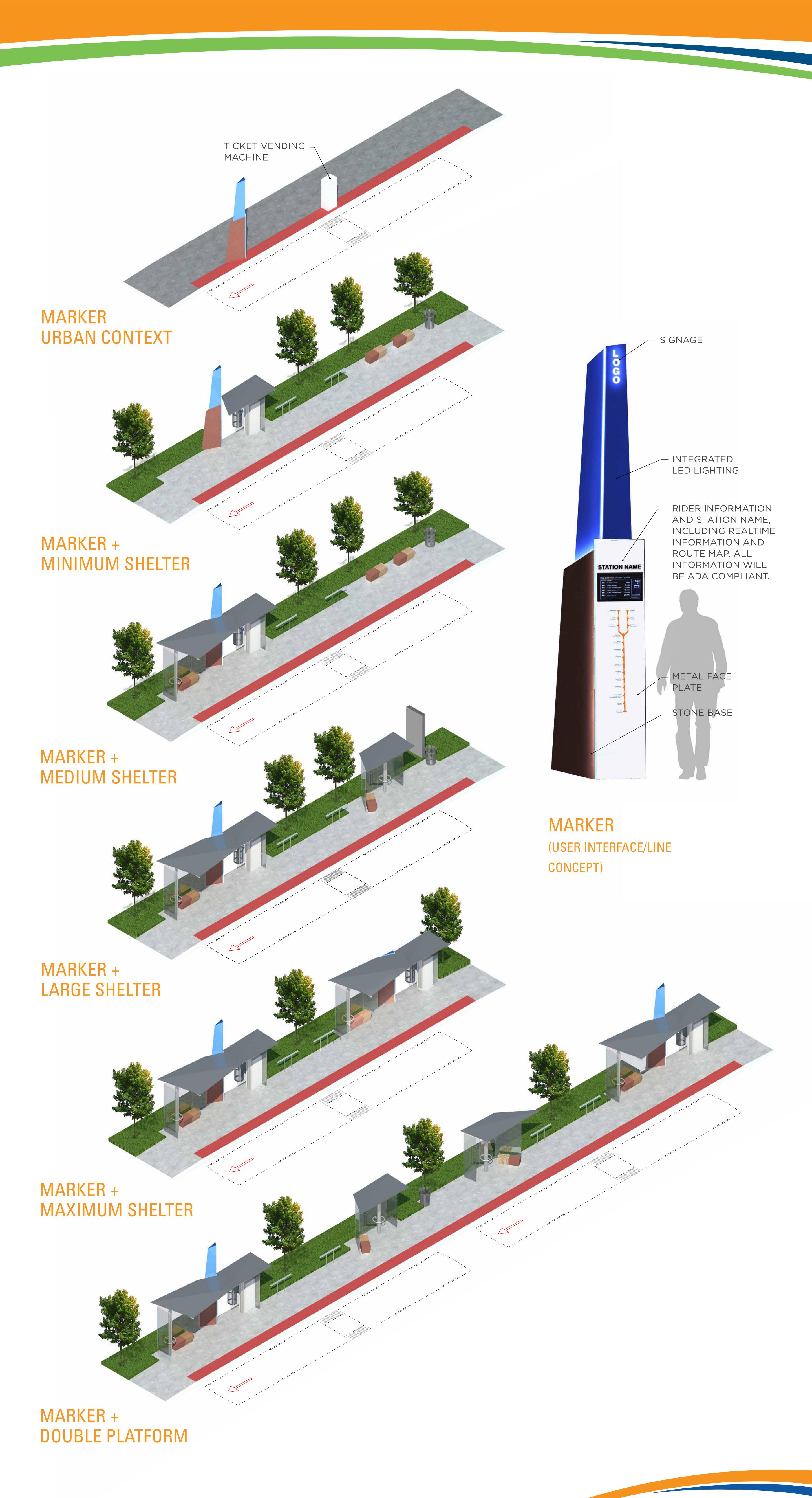


SECTION RAIN SHADOW



CONCEPTUAL FRAMEWORK

Adaptability



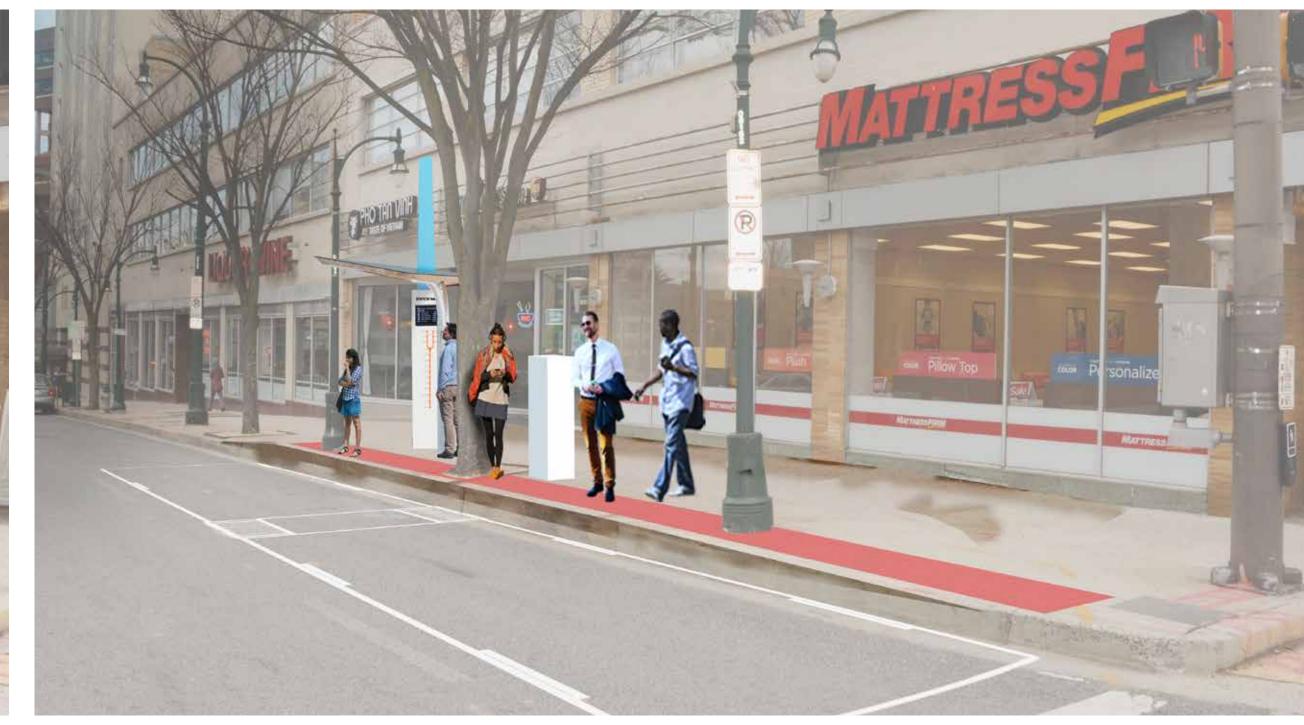
PRELIMINARY "TEST FITS"

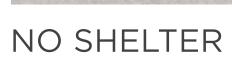
Draft Visualizations

URBAN MIXED-USE / CONSTRAINED CONDITIONS

US 29 - FENTON STREET

























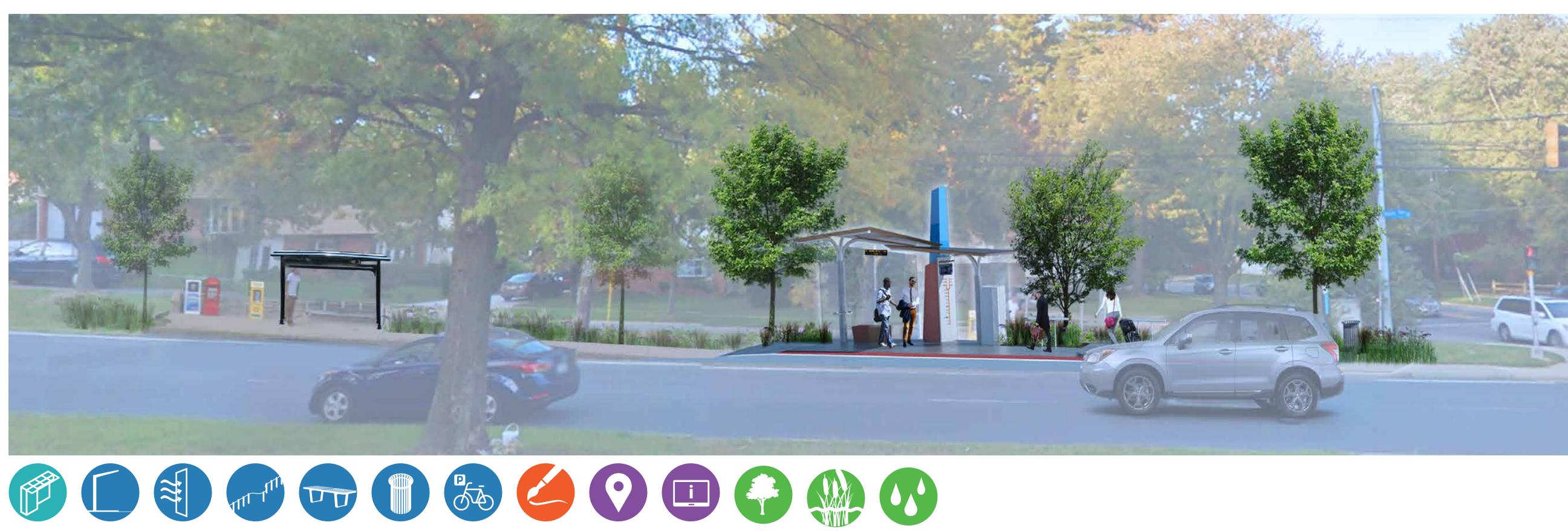
PARK & RIDE / HIGHEST CAPACITY

US 29 - BURTONSVILLE PARK & RIDE



SUBURBAN RESIDENTIAL / SHARED BUS STOP

MD 586 - TWINBROOK PARKWAY





























MD 355 - WATKINS MILL ROAD





PUBLIC ART + BRANDING

Integrated and Complementary

NEIGHBORHOOD ORIENTED ART

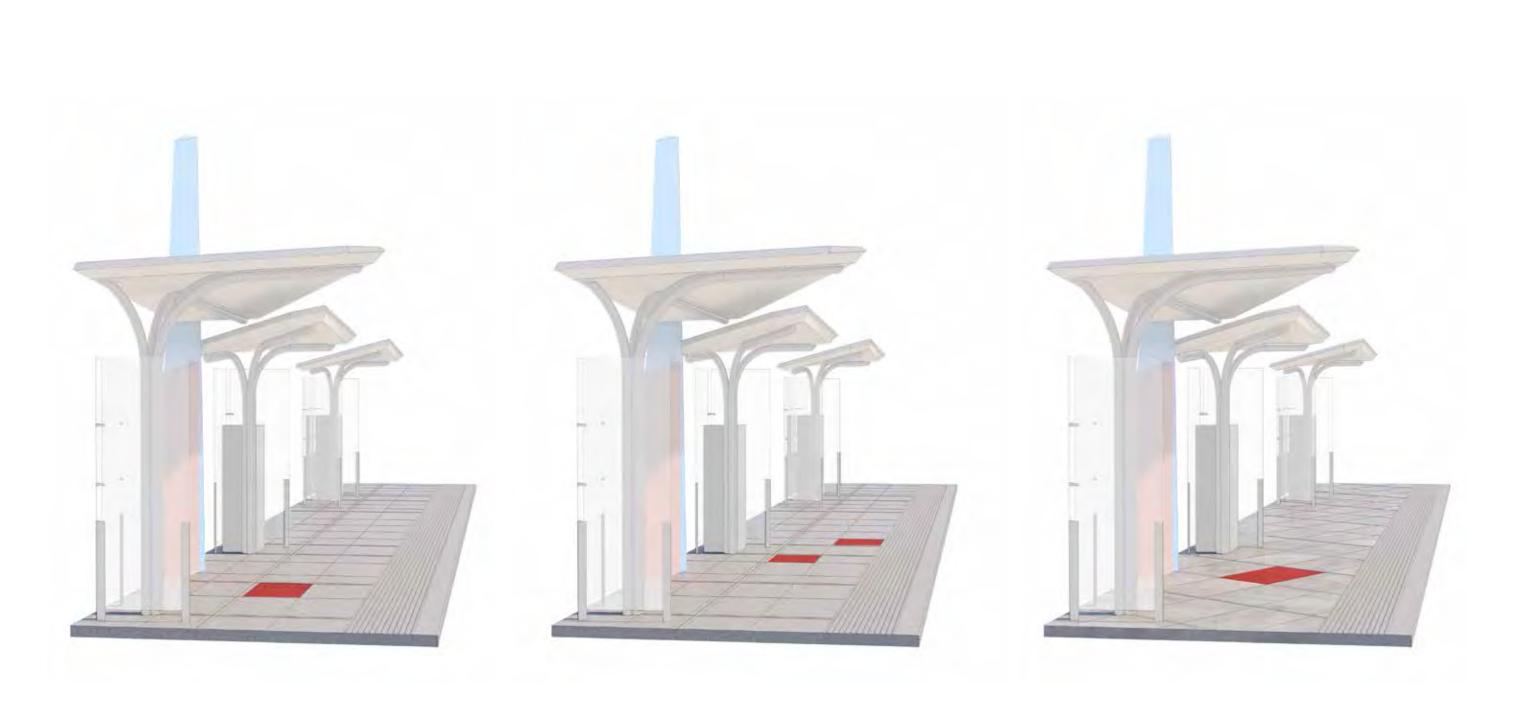
Pavement Mosaics, and Art/Wayfinding integrated with Shelter Architecture

Montgomery County "Arts on the Block" Mosaic Examples



Preliminary Studies of Potential Mosaic Fields

Illustrations show potential size, number, and relation to paving layout.



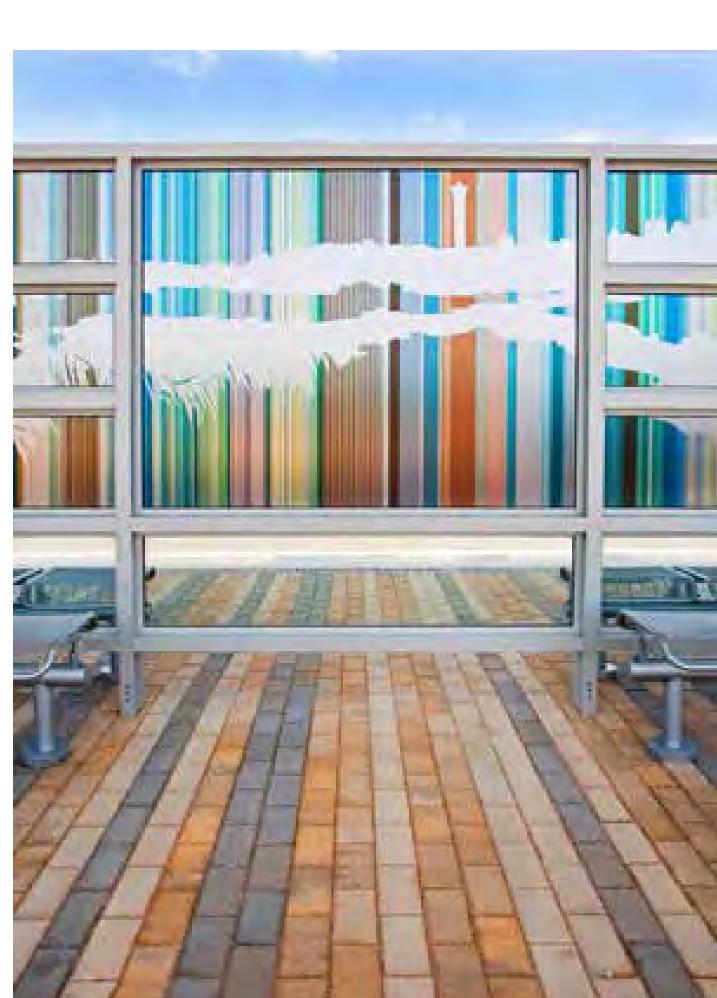
Examples of potential for incorporating art into shelters and related infrastructure

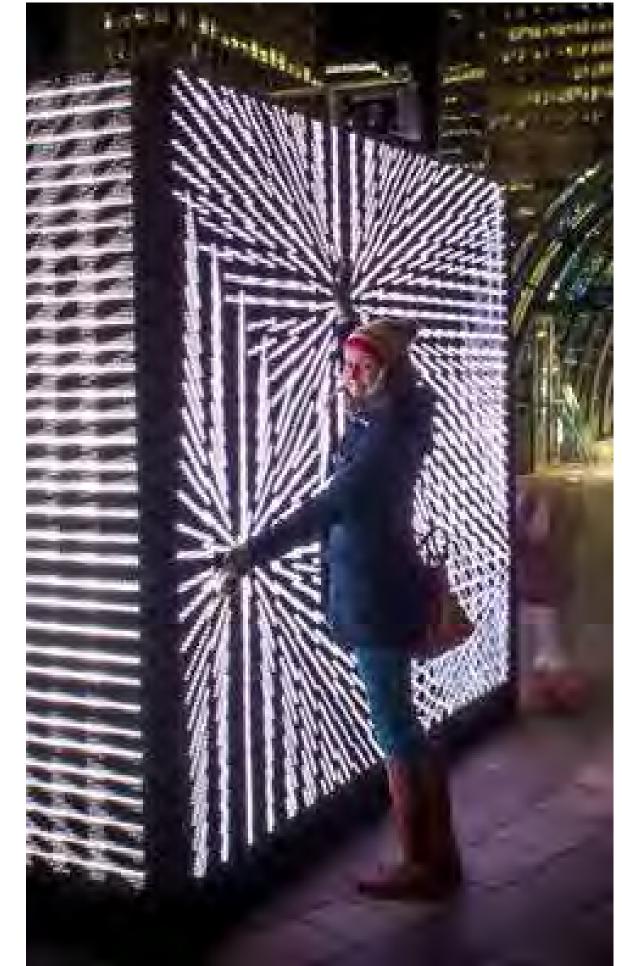


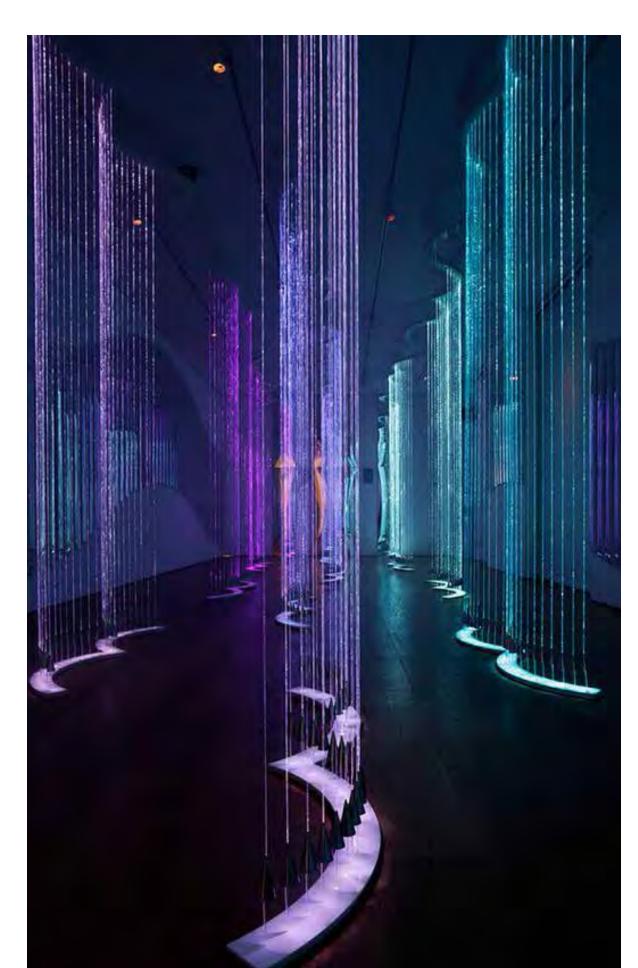


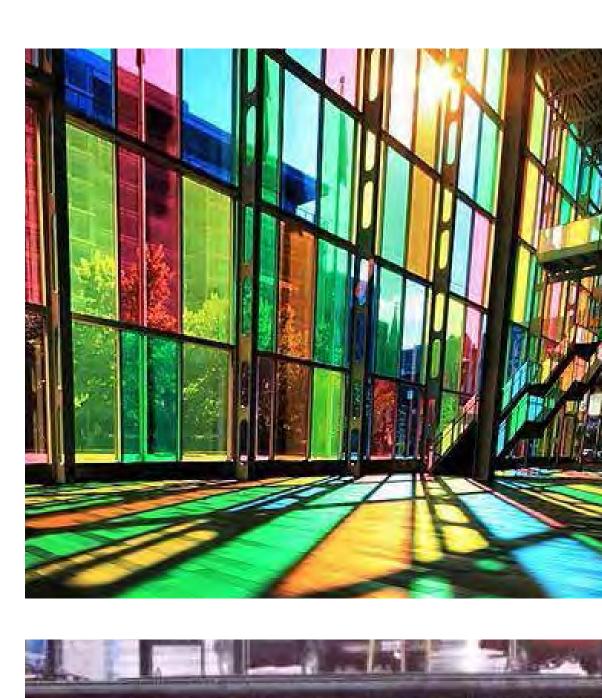






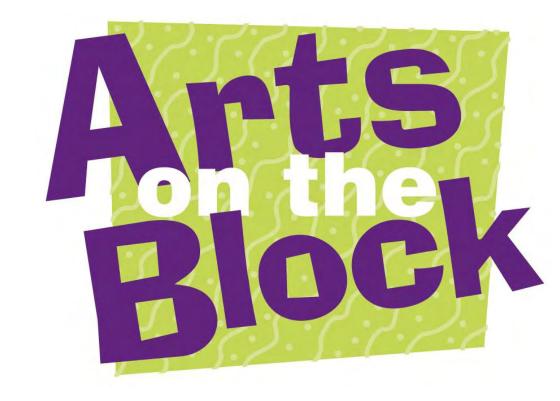








ARTS ON THE BLOCK



Founded in 2003, Arts on the Block (AOB) is the only organization in the Washington, DC area offering youth the opportunity to learn about the intersection of art, design, community development and business by engaging them in real-world art projects.



The mission of AOB is to empower creative young people to imagine and shape fulfilling futures and contribute to the quality of life of their communities.







AOB employs experienced, studentcentered arts educators who are established studio artists and/or earning their degrees in the arts, arts education or a related field.



Under the supervision of professional teaching artist-mentors, youth learn the essential elements of engaging the creative economy; develop professionalism through client relationship management and team work; master art techniques; collaborate in project management and team building; and recognize public art as vital to community connectivity.





ARTS ON THE BLOCK PROGRAMS AND COMMISSIONS

Pour Your ART Out turns high school students into Apprentice Artists to learn about art and develop workforce skills that can be used in any career. Apprentices work on commissioned art for clients as they develop substantial art and design, business and community development skills and experiences.



Community pARTnerships (CpART) is a longterm initiative that addresses critical community issues through art and design. Youth-designed projects include the installation of mosaiccovered stairways and lit address boxes.







Explore-Create-Connect (ECC) is specifically funded by the Jim and Carol Trawick Foundation. This TeamUp endeavor partners AOB with Briggs Chaney Middle School, ClancyWorks Dance Company and IMPACT Silver Spring to help increase the level of academic, cultural and civic engagement for participating youth and their families in the middle school and broader East County communities.

Samples of Past Commissions







United Therapeutics, 2012



Little Falls Library, 2012



Kids With Food Allergies, 2014

Excel Beyond the Bell (EBB) offers out-of-school time experiences in the visual arts at under-resourced Montgomery County Public Middle Schools aimed at developing self-acceptance, teamwork, confidence and creativity.

ARTS ON THE BLOCK COMMISSION PROCESS

Step 1

Apprentices meet with the community to garner its vision for the commission. It is here that apprentices will give community members opportunities to contribute their

thoughts on what aspects of a community (or around a particular BRT stop) would best be represented within a visual work of art.



Step 3

Once all the designs are selected, apprentices will work in small teams to fabricate the works of art. The apprentices whose designs are chosen will be the project managers for their fabrication team. AOB staff will closely supervise and support each team. Progress report emails with images will be sent while the pieces are being fabricated.





Step 2

Apprentices will take this information and each make 5+ initial designs. Through constructive peer-to-peer and staff

feedback, apprentices will refine up to 2 designs each that will be presented to MCDOT representatives. It is at this meeting that final designs will be chosen. Even if chosen, some designs may need an additional round of revision.



Step 4

Completed works of art will be installed into their designated bus pads according to the project schedule.





WHAT IS TRANSIT SERVICE PLANNING?

Transit Service Planning: Using data and public input to determine where transit should go and how much service is needed.

OUR APPROACH

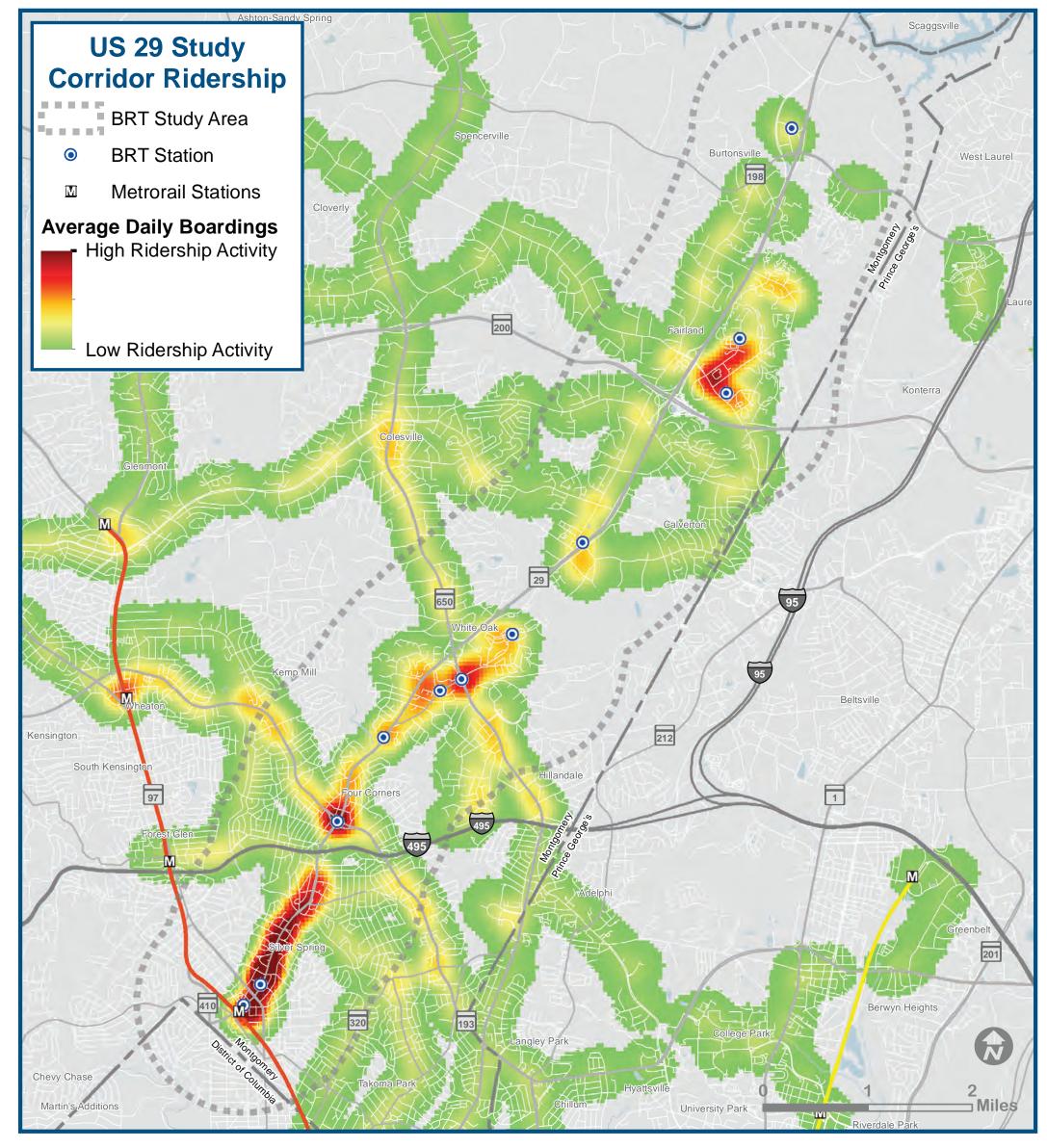
MCDOT is evaluating the existing Ride On and Metrobus services around the US 29 corridor to develop recommendations that will integrate the services with the BRT and improve the effectiveness of transit in the region. To accomplish this MCDOT is utilizing existing transit service data, the travel demand models, traffic patterns, US Census data, and input from stakeholders and the public.

TRANSIT SERVICE **DEMOGRAPHIC DATA** Analyze information from the US PLAN Census and regional travel demand models to understand who lives around the corridor and where they are traveling. Alignment Where the transit goes **EXISTING TRANSIT** Review ridership on Ride On and Frequency WMATA bus services along US 29. **PLANNING** How often the transit arrives **PROCESS COMMUNITY INPUT** Hold regular meetings with key local, regional, and state partners to engage **Span of Service** with stakeholders and the public. The When the transit operates goal is to gather meaningful feedback to inform planning and engineering. Evaluate existing conditions to develop several scenarios. The scenarios are then refined with public

input to create a vision.

CURRENT BUS RIDERSHIP

The map below shows the current level of ridership at bus stops for routes serving the US 29 corridor. The US 29 BRT will provide frequent and reliable service to many of the ridership "hot spots" shown in red and yellow in the map below.





STRATEGIES TO IMPROVE LOCAL BUS

LOCAL BUS

Local bus service provides communities along the US 29 corridor enhanced mobility and the ability to make vital connections. A key to having a successful transit network throughout the US 29 corridor is integrating and coordinating the existing local bus network and the future BRT.

Your feedback will be used to develop three visionary scenarios for transit service around the US 29 corridor.

Let us know how you envision transit service in your neighborhood!

NEW SERVICE TYPES

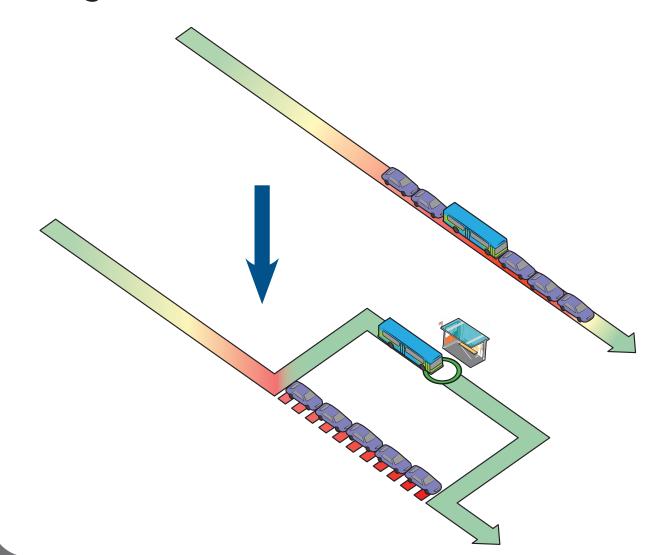
Potential new service models could enhance the existing local bus network and BRT, providing expanded transit connections around the corridor.

ROUTE ADJUSTMENTS

Potential changes to the existing local bus network, enhancing the bus service around the corridor.

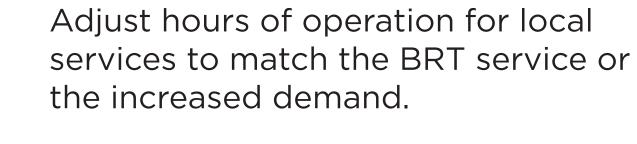
ROUTE REALIGNMENT

Realign local services to better serve localized demand, improve integration with the BRT service, and avoid congestion.

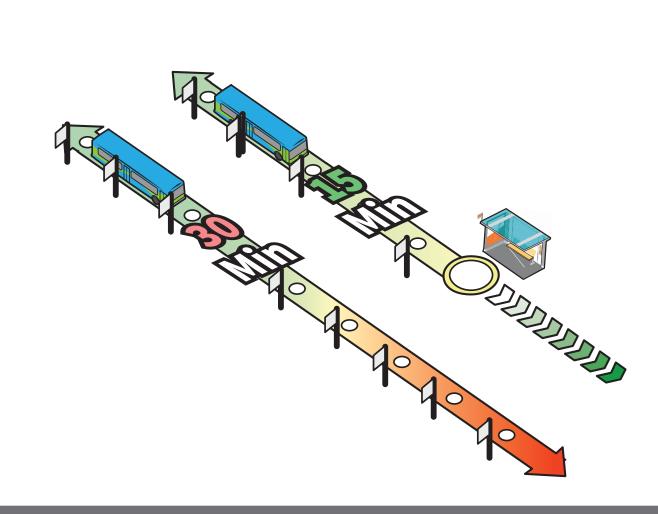


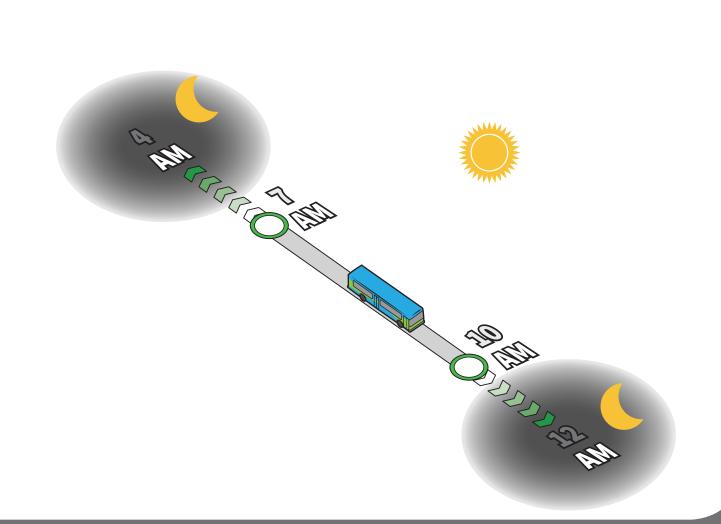
ADJUST FREQUENCY

Adjust frequency of local service to enhance integration with BRT service, minimize wait time, or meet increased demand.



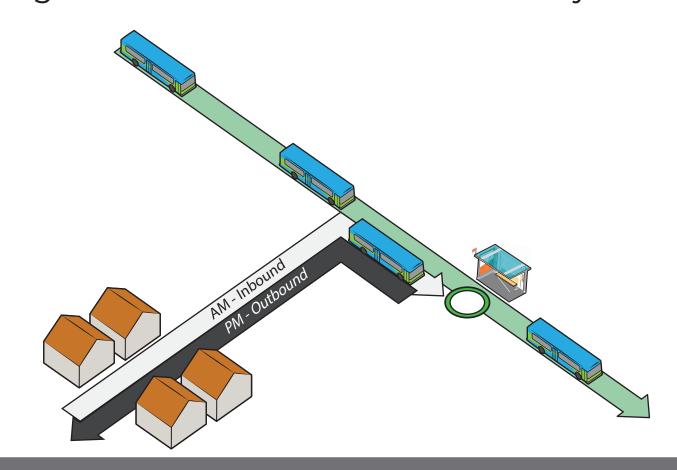
ADJUST HOURS





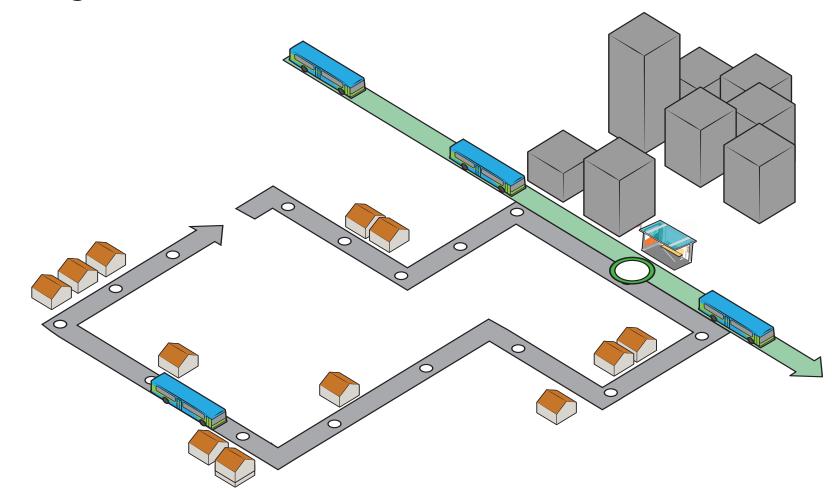
NEIGHBORHOOD FEEDER

Create a peak only route that picks up people from a neighborhood and carries them to the BRT in the morning and brings them back at the end of the day.



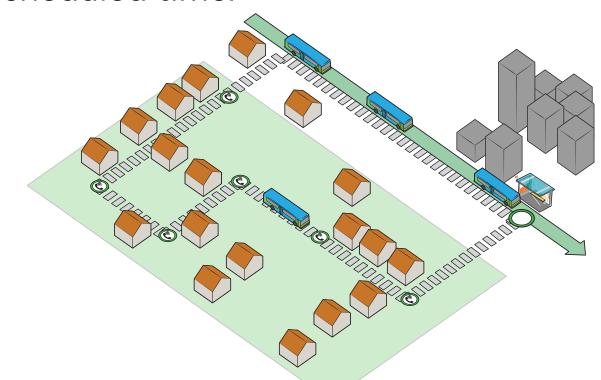
NEIGHBORHOOD CIRCULATOR

Create neighborhood circulators connecting communities to the BRT service and other trip generators.



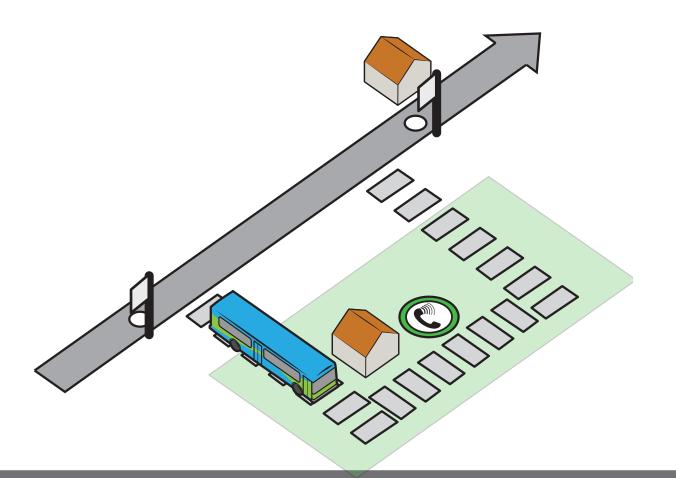
FLEX ZONES

A zone where passengers can call to request a pick up or drop off. A vehicle will be routed to serve all passengers and connect them to the BRT at a scheduled time.

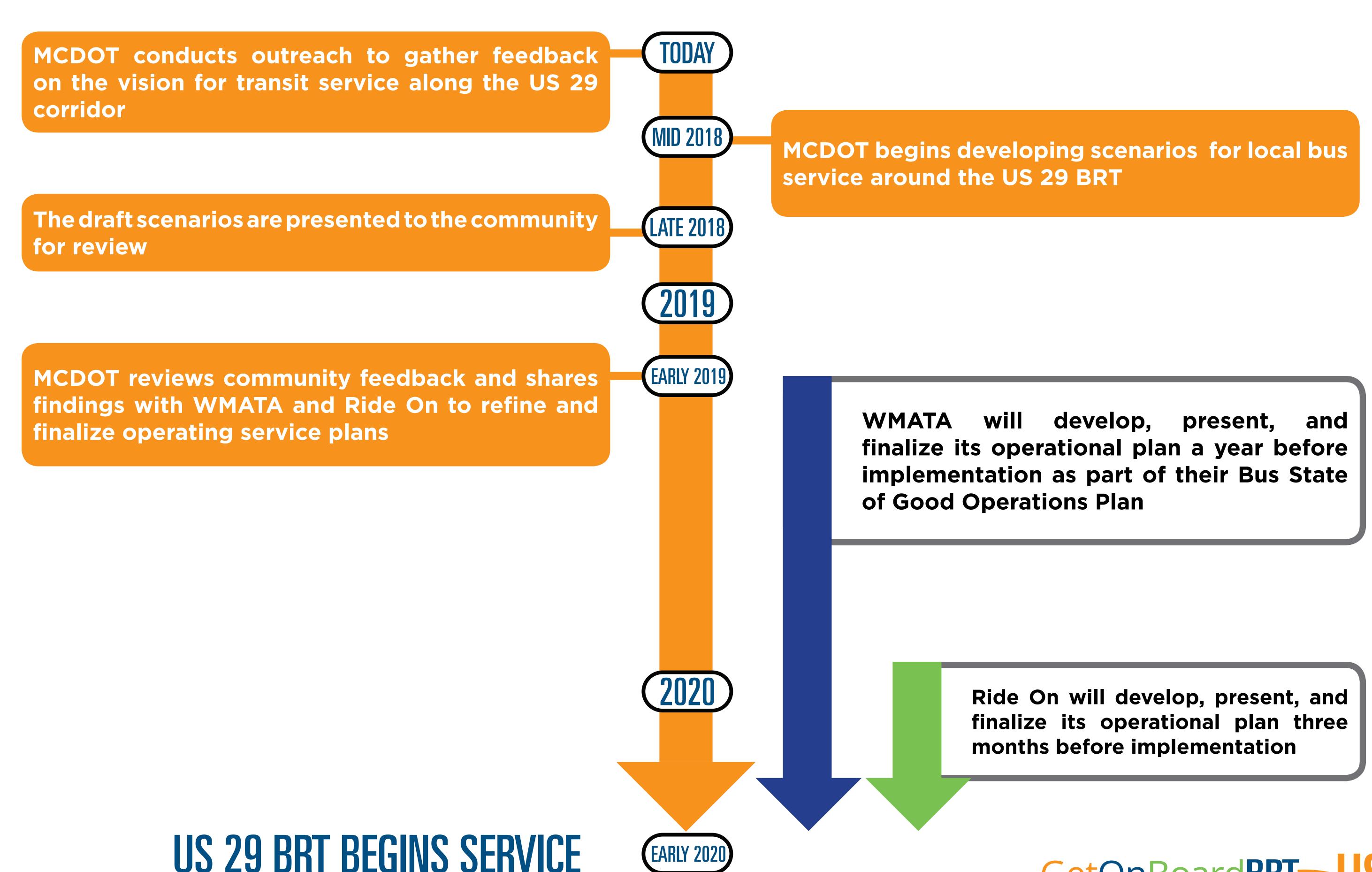


DEVIATED FLEX ZONE

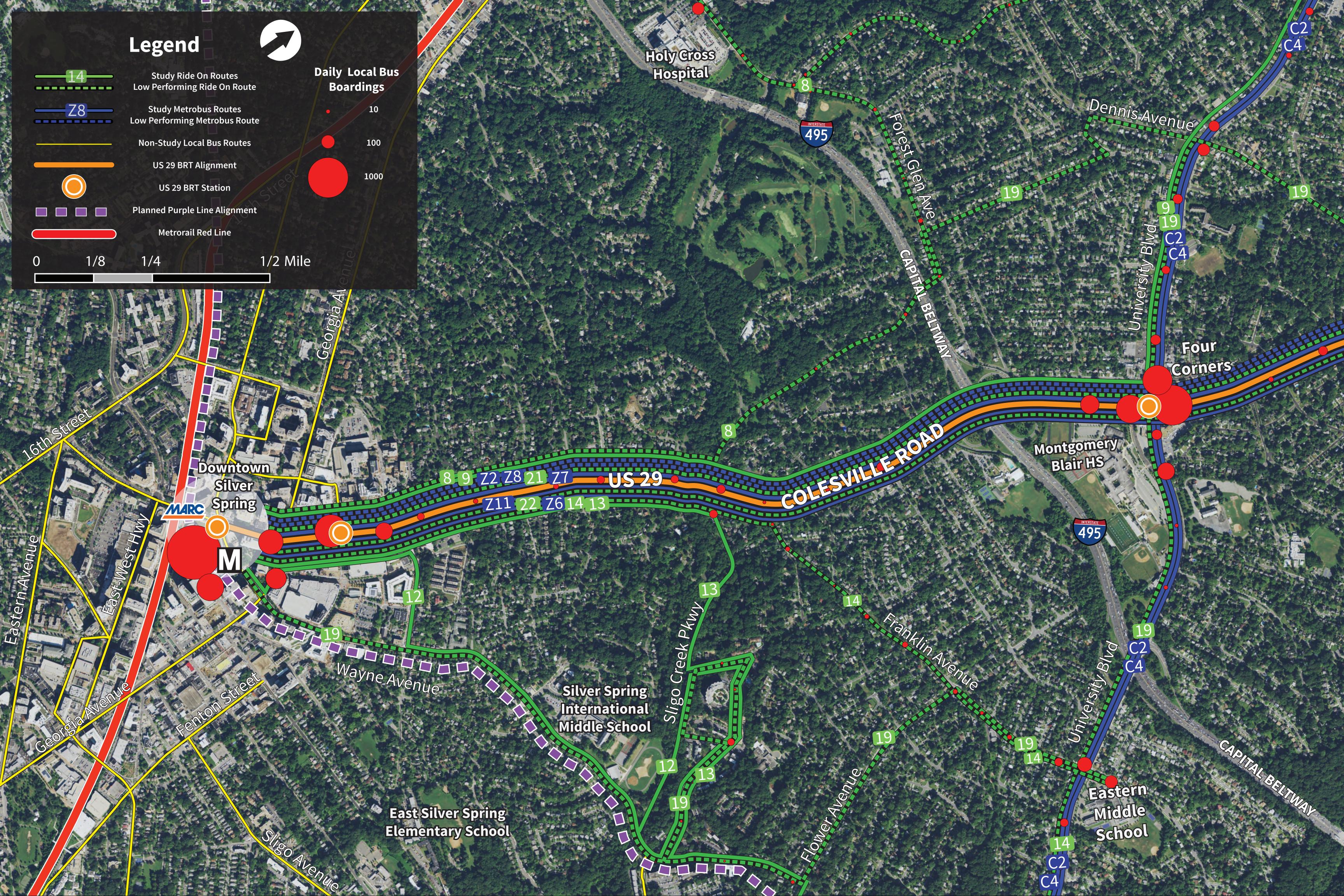
Create zones along a fixed bus route within which passengers may call to request a pick up or drop off.

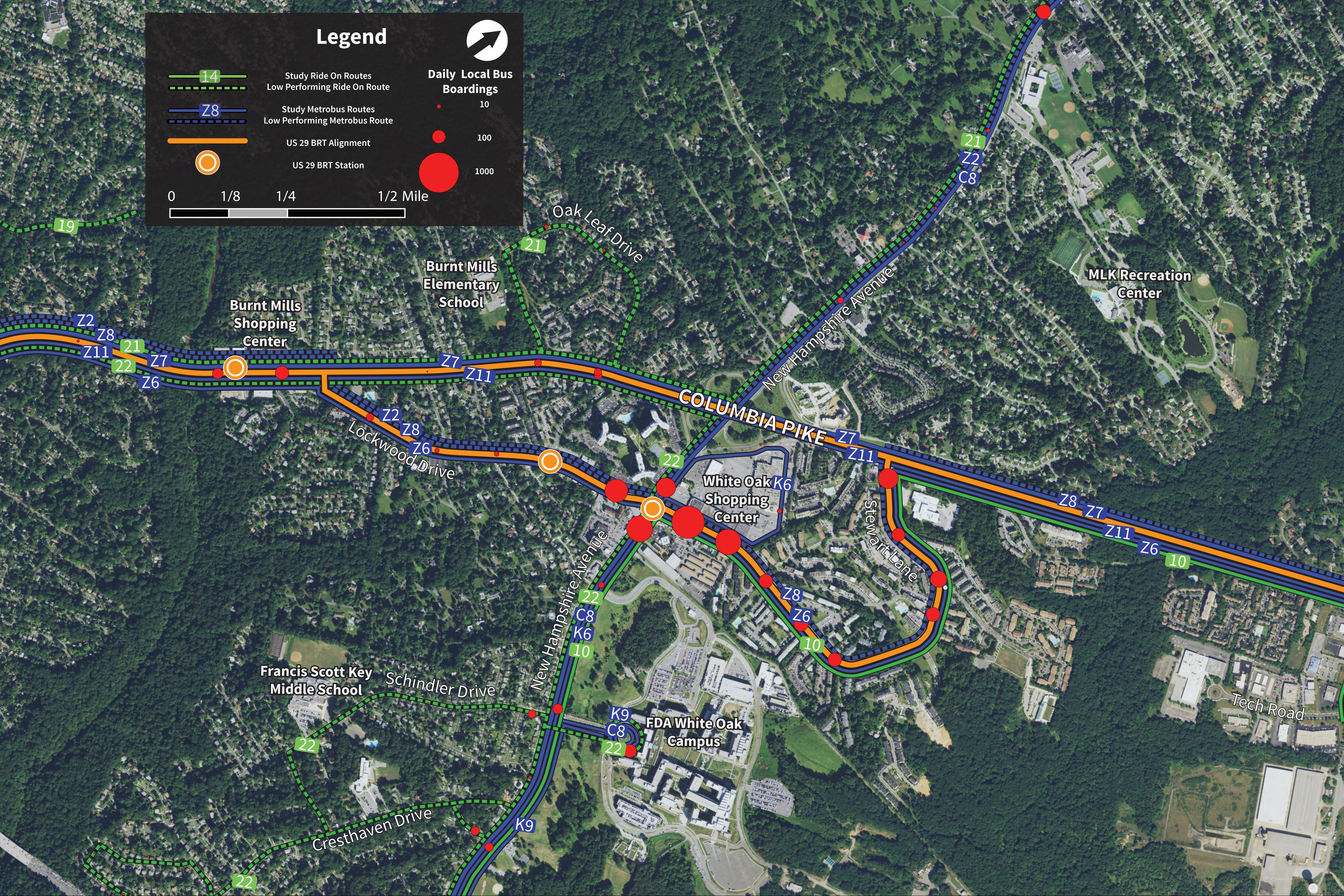


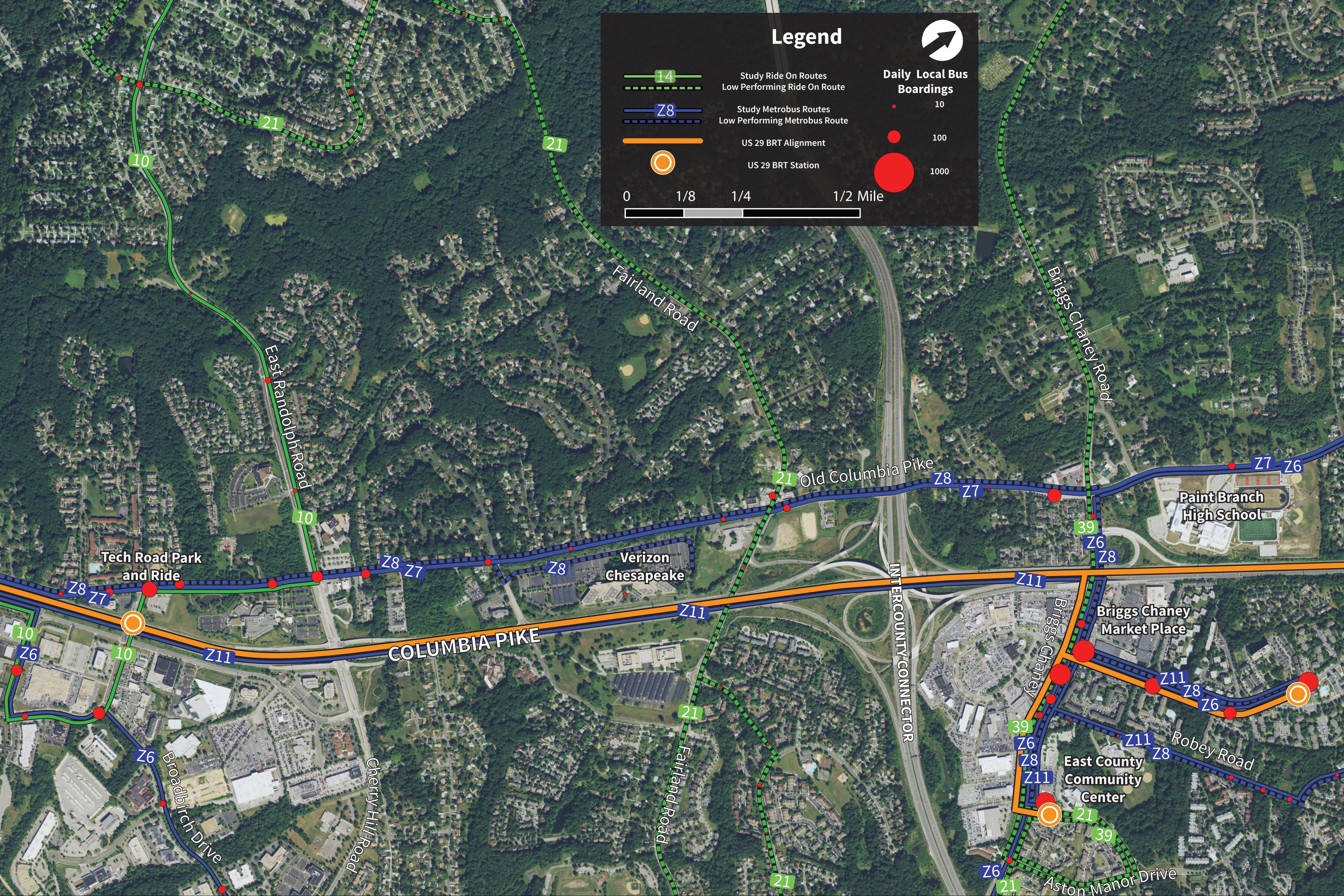
TRANSIT SERVICE TIMELINE

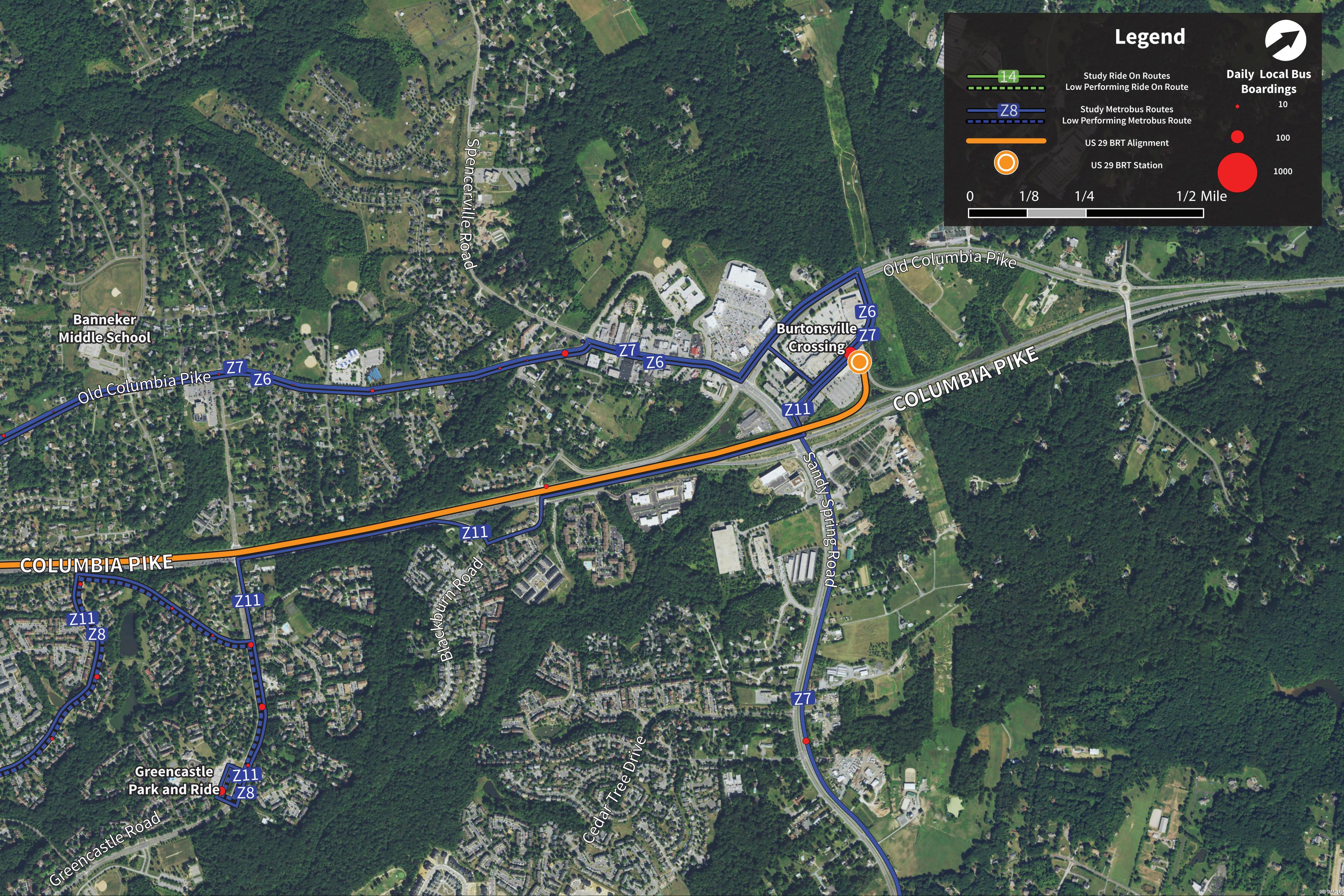


GetOnBoardBRT US 29









HOW TO GET INVOLVED















We are meeting with local stakeholders and community members to gather meaningful feedback during planning and design

Learn more about how to participate!

COLLABORATE AT TODAY'S EVENT

Staff working on all aspects of the US 29 BRT project are available today to answer your questions and receive your input. MCDOT will also be hosting other events related to the project in the future, where you will be able to get up-to-date information about the project. We hope to see you again soon!

REQUEST A FOCUS GROUP

If you are an employer, employee, or resident along the US 29 corridor and would like to participate in or host a focus group to give more in-depth feedback, please visit: **GetOnBoardBRT.com/get-on-board**

REQUEST A COMMUNITY UPDATE

If you represent an organization such as a civic or homeowners association, chamber of commerce, community advocacy organization, or are a member of the community that wants to learn more about the US 29 BRT project, please request a project update from MCDOT at our website: **GetOnBoardBRT.com/get-on-board**

STAY UPDATED ON THE PROJECT

We want to make sure everyone's voice is heard!

If you can't attend a meeting, there are many ways to stay updated on the project.



#GetOnBoardBM

FIND US AT LOCAL EVENTS

Find us at community events and festivals, such as National Night Out, Silver Spring Farmers Market, and more!

SIGN UP TO RECEIVE PROJECT UPDATES

Please sign up to receive project updates at GetOnBoardBRT.com. We can also provide project information and updates for e-newsletters to your community and business groups upon request.

FOLLOW US ON SOCIAL MEDIA

Project updates and events are shared on our Facebook and Twitter pages. You can get up-tothe-minute details as we share live video, pictures, and details from events, and informational posts about the project.

@GetOnBoardBRT 👔 GetOnBoardBRT 🎯 GetOnBoardBRT



SHARE YOUR FEEDBACK

Visit us at www.GetonBoardBRT.com/Feedback to share your thoughts and ideas about the US 29 Project. We will capture your comments and respond to questions regarding Montgomery County's BRT program and the US 29 BRT project.