



EPTA Silver Line Connection

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TPB Regional Public Transportation Subcommittee - June 27, 2023

Agenda

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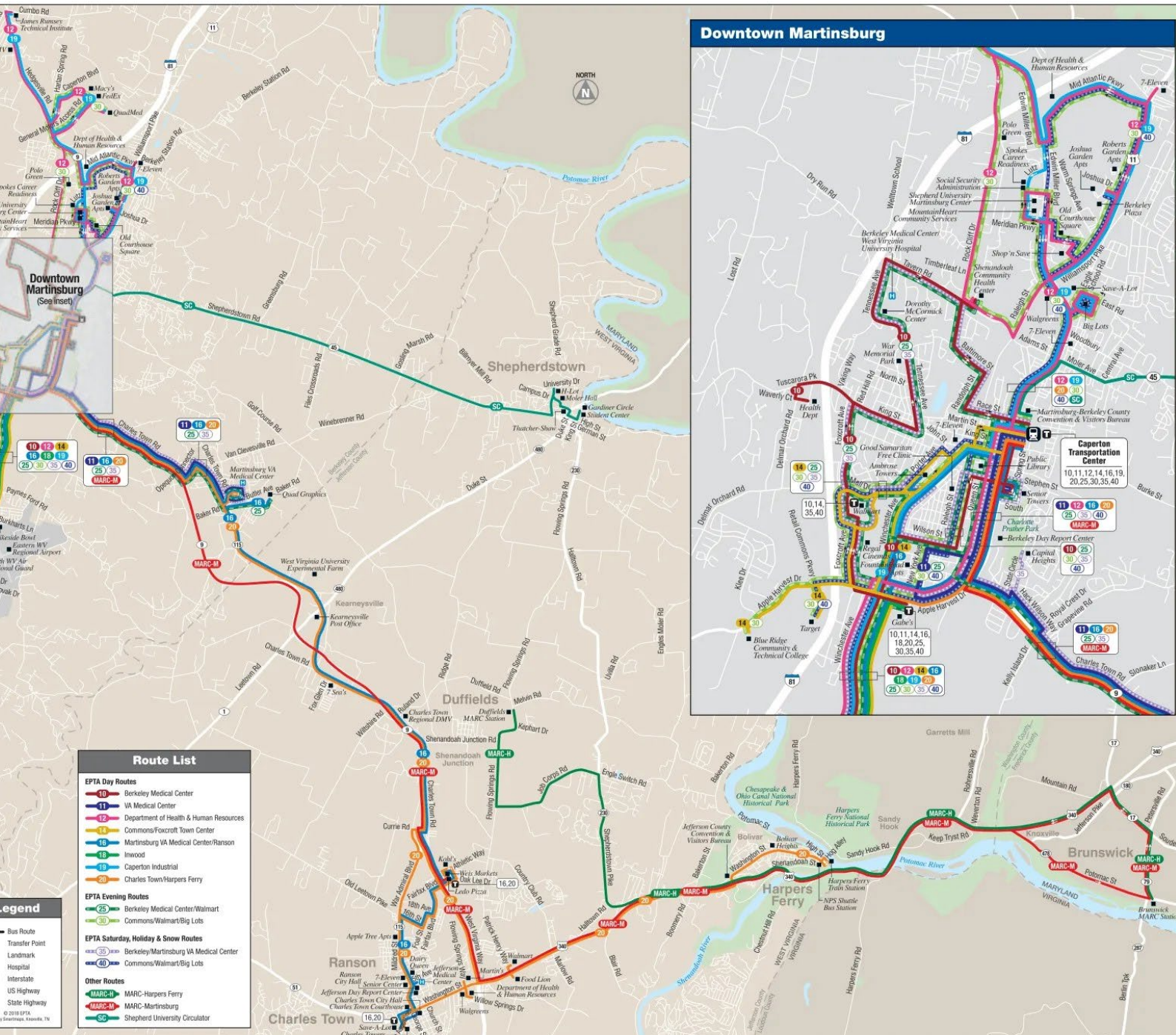
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EPTA System Overview

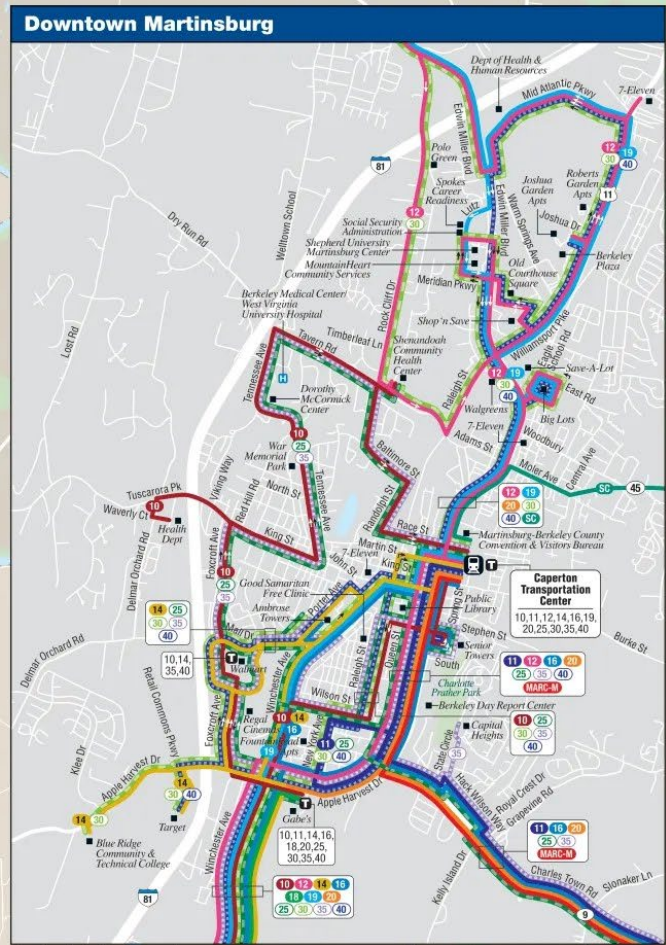
- **Eastern Panhandle Transit Authority (EPTA) is a small urban system operating in Berkeley and Jefferson Counties, West Virginia**
- **EPTA provides contracted route service to Harpers Ferry National Historical Park, Shepherd University and Maryland Area Regional Commuter (MARC) train.**
- **> 150,000 annual ridership**
- **26 Vehicles**





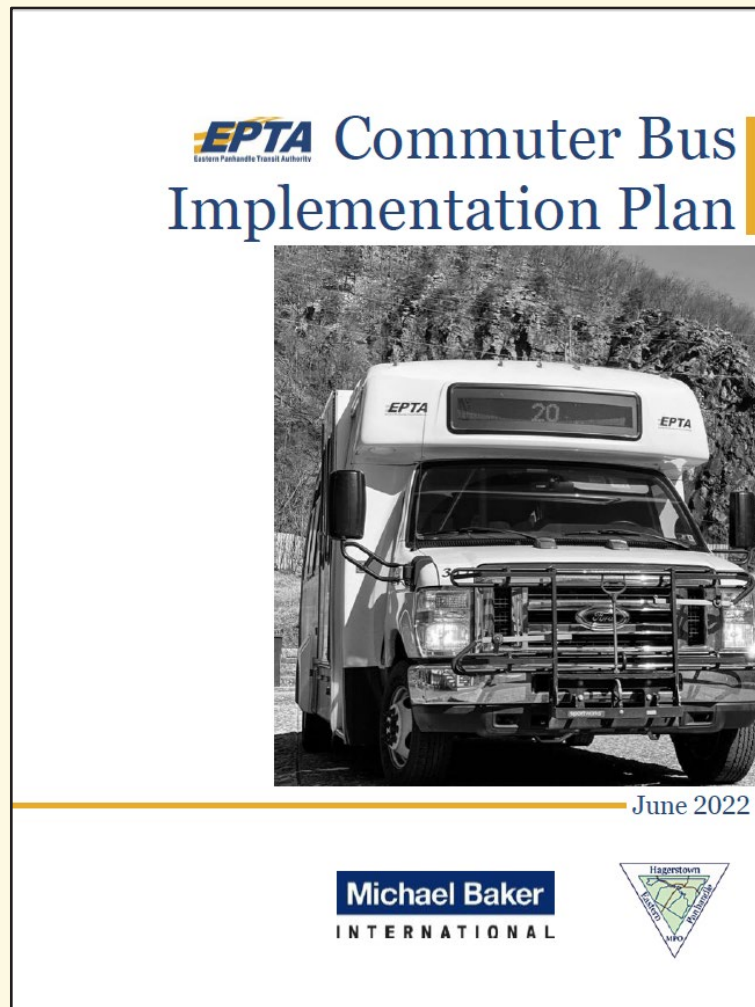
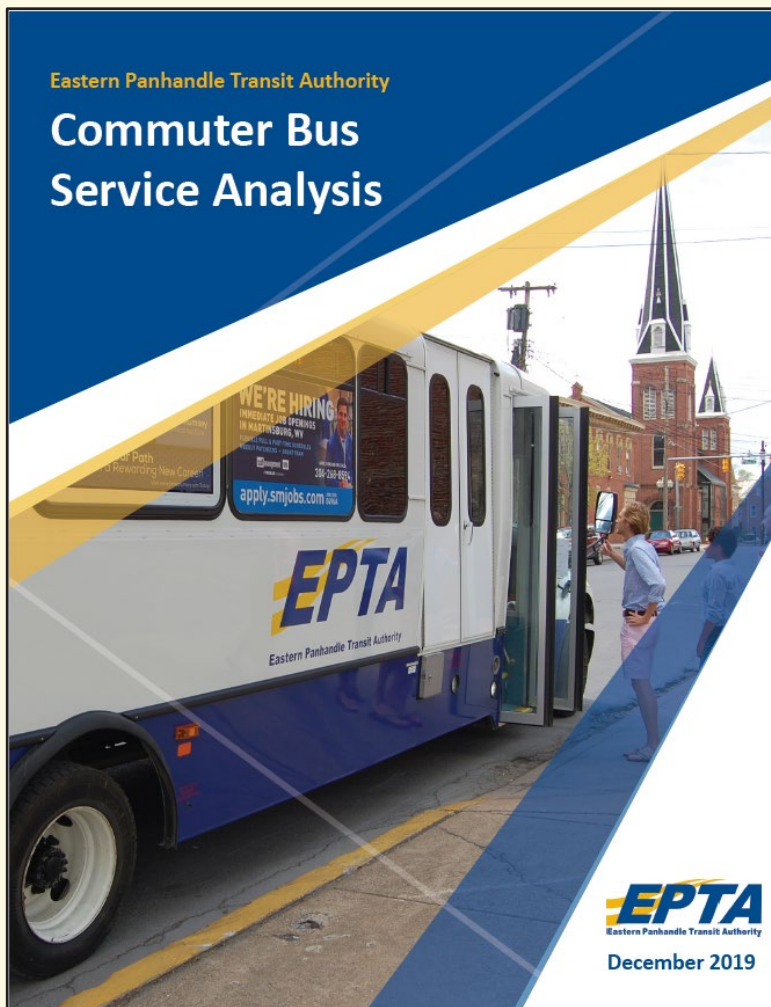
| Route List | |
|---|--|
| EPTA Day Routes | |
| 10 | Berkeley Medical Center |
| 11 | VA Medical Center |
| 12 | Department of Health & Human Resources |
| 13 | Commons/Foxcroft Town Center |
| 14 | Martinsburg VA Medical Center/Ranson |
| 15 | Inwood |
| 16 | Caperton Industrial |
| 18 | Charles Town/Harpers Ferry |
| EPTA Evening Routes | |
| 25 | Berkeley Medical Center/Walmart |
| 30 | Commons/Walmart/Big Lots |
| EPTA Saturday, Holiday & Snow Routes | |
| 35 | Berkeley/Martinsburg VA Medical Center |
| 40 | Commons/Walmart/Big Lots |
| Other Routes | |
| MARC-H | MARC-Harpers Ferry |
| MARC-M | MARC-Martinsburg |
| SC | Shepherd University Circulator |

| Legend | |
|--------|----------------|
| | Bus Route |
| | Transfer Point |
| | Landmark |
| | Hospital |
| | Interstate |
| | US Highway |
| | State Highway |





Commuter Bus Service





Project Activities

- **Public Survey – 228 Participants**
 - **Interest in taking this service (78%)**
 - **Preferred morning and afternoon departure times**
 - **Home and work ZIP codes**
 - **Start and end of the workday**
 - **Impact of COVID-19 on commuting patterns**
 - **Deciding factors for choosing to take the commuter service**
 - **Current transit usage.**

 Hagerstown/Eastern Panhandle Metropolitan Planning Organization
November 15, 2021 · 🌐

PUBLIC NOTICE: The [Eastern Panhandle Transit Authority](#) and the Hagerstown/Eastern Panhandle MPO (HEPMPO) hereby notify all interested persons that an input survey on the proposed EPTA Commuter Bus Service is open to the public. The public survey will be open from November 15 to December 15, 2021. The survey is available online at: <https://forms.office.com/r/DUTEqBGxgA>. ... [See more](#)

Commuter Bus Route

The commuter bus would provide service between Martinsburg and the Ashburn Station with a stop in Ranson. Commuters would be able to transfer to WMATA's Silver Line or other local transit service at the Ashburn Station.

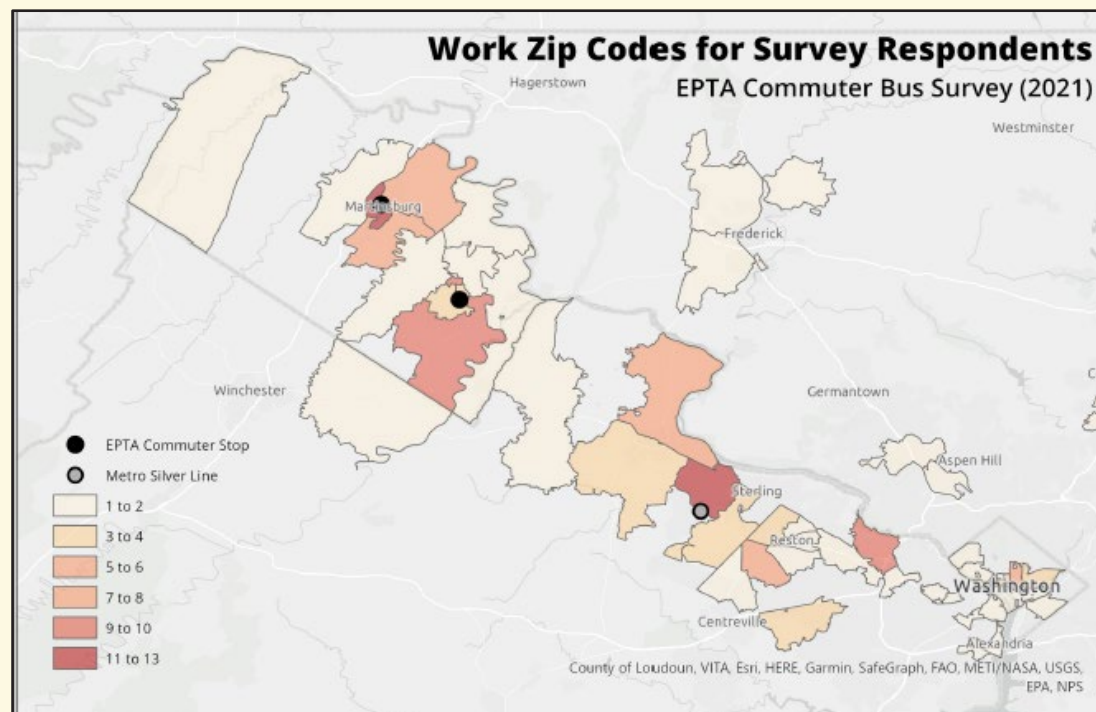
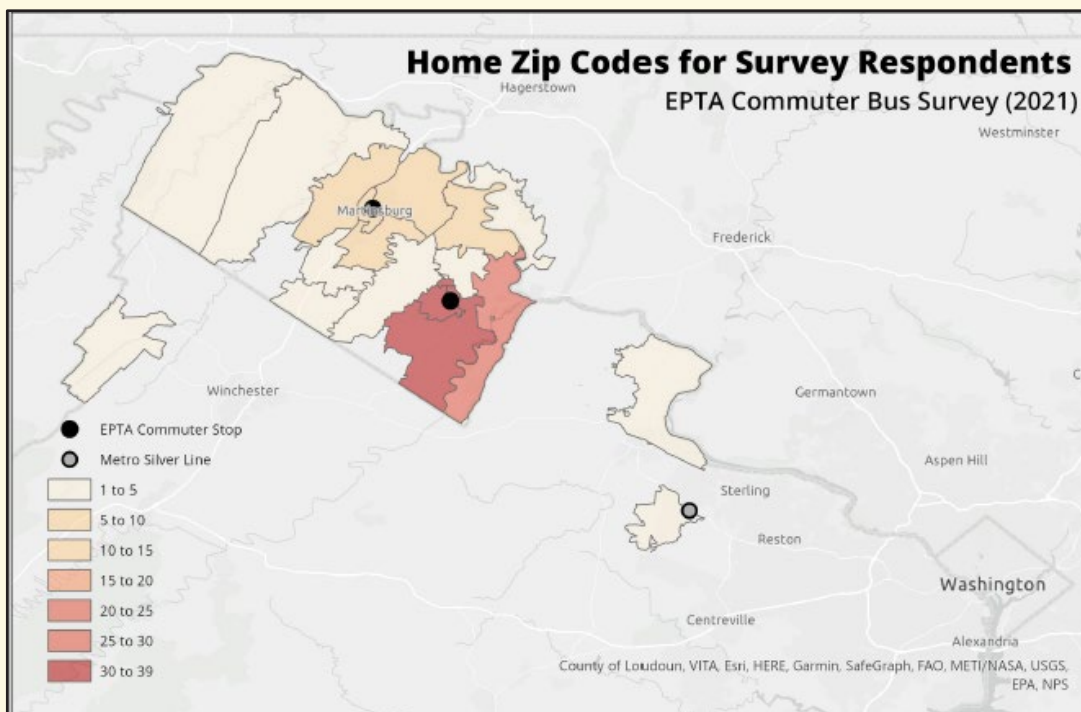


Ashburn Station - Connection to Silver Line

16 8 comments 42 shares



Survey Results





Schedule

- **Two Medium Duty Commuter Buses - 1 Trip Each**

Morning Southbound Service

| Martinsburg, WV | | Ranson, WV | | Ashburn, VA | | Martinsburg, WV | |
|-----------------|----------------|------------|---------|-------------|---------|-----------------|--------|
| Arrive | Depart | Arrive | Depart | Arrive | Depart | Arrive | Depart |
| - | 6:00 AM | 6:25 AM | 6:30 AM | 7:25 AM | 7:35 AM | 8:50 AM | - |
| - | 7:00 AM | 7:25 AM | 7:30 AM | 8:35 AM | 8:45 AM | 10:00 AM | - |

Afternoon Northbound Service

| Martinsburg, WV | | Ashburn, VA | | Ranson, WV | | Martinsburg, WV | |
|-----------------|---------|-------------|----------------|------------|---------|-----------------|--------|
| Arrive | Depart | Arrive | Depart | Arrive | Depart | Arrive | Depart |
| - | 4:45 PM | 5:50 PM | 6:00 PM | 6:55 PM | 7:00 PM | 7:25 PM | - |
| - | 5:45 PM | 6:50 PM | 7:00 PM | 7:50 PM | 7:55 PM | 8:20 PM | - |



Operating Costs

Martinsburg to Silver Line via 9

| | Morning | | Afternoon | | Total | | Cost | | |
|----------|----------|----------|-----------|---------|----------|----------|--------------|--------------|--------------|
| | Miles | Hours | Miles | Hours | Miles | Hours | \$/Mi | \$/Hr | Total |
| Per Day | 190.4 | 4.92 | 191.4 | 5.25 | 381.8 | 10.17 | \$908.68 | \$439.40 | \$1,348.09 |
| Weekly | 952.0 | 24.58 | 957.0 | 26.25 | 1,909.0 | 50.83 | \$4,543.42 | \$2,197.02 | \$6,740.44 |
| Annually | 49,504.0 | 1,278.33 | 49,764.0 | 1365.00 | 99,268.0 | 2,643.33 | \$236,257.84 | \$114,244.87 | \$350,502.71 |

Martinsburg to Silver Line via 9

| | Total Miles | Total Hours | Mileage Based Cost | Hourly Based Cost | Total Cost |
|----------|-------------|-------------|--------------------|-------------------|--------------|
| Per Day | 381.8 | 10.2 | \$908.68 | \$439.40 | \$1,348.09 |
| Weekly | 1,909.0 | 50.8 | \$4,543.42 | \$2,197.02 | \$6,740.44 |
| Annually | 99,268.0 | 2,643.3 | \$236,257.84 | \$114,244.87 | \$350,502.71 |



Ridership & Fare Structure

- **Two 34' Buses**
 - **Capacity of 33 Passengers per bus**
- **Max Ridership – 66 Passengers**
- **Potential Ridership – 126 Passengers**
 - **Exceeds bus capacity**
- **Daily One-way Fare: \$7.00**
- **Discounted Daily Pass: \$10.50**

| | Year 1 | Year 2 | Year 3 |
|--|--------|--------|--------|
| Total Riders per Bus | 23 | 30 | 33 |
| Total Riders in Morning/Afternoon Period | 46 | 60 | 66 |
| Total Daily Riders | 92 | 120 | 132 |

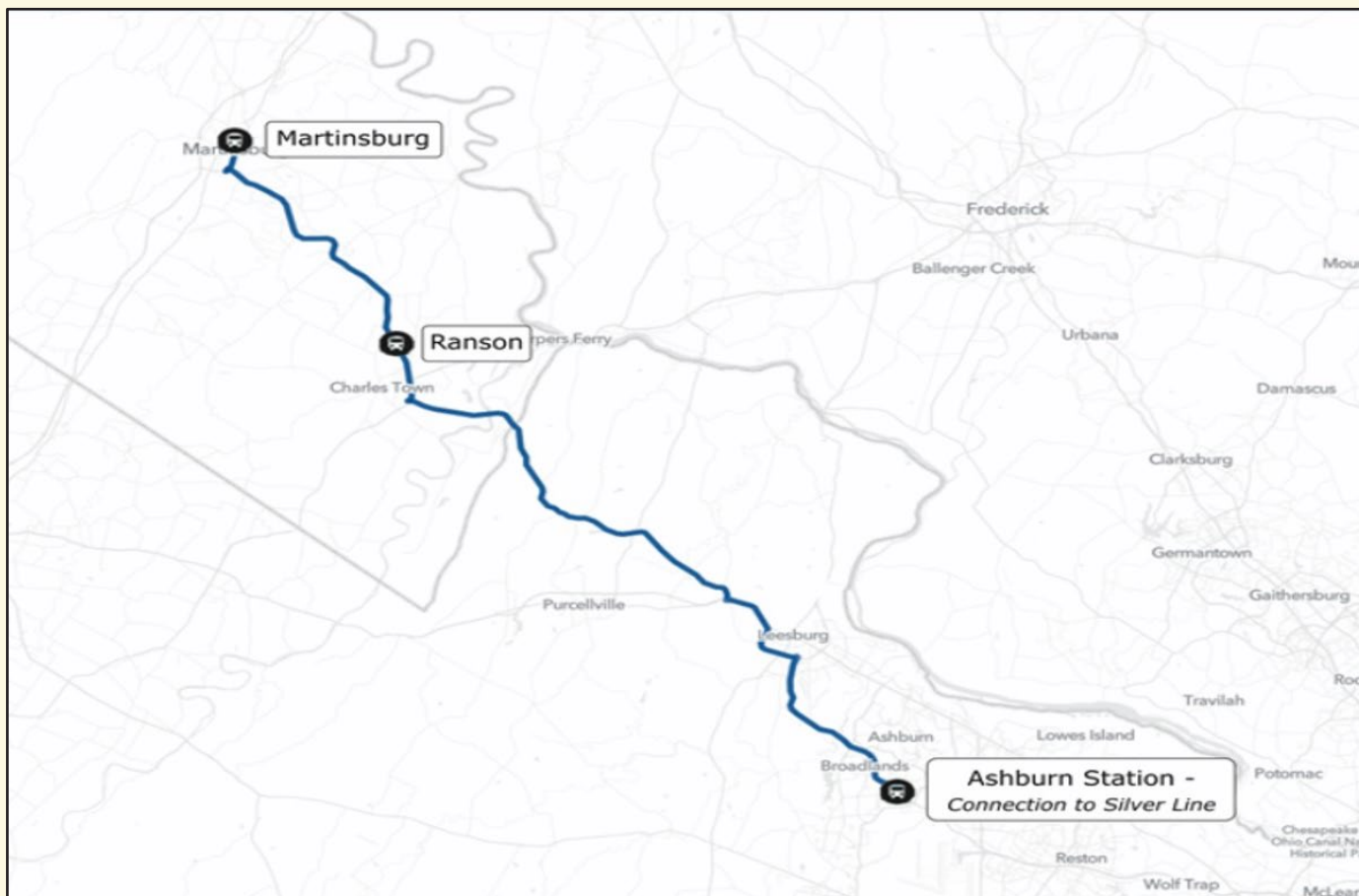


Emissions Benefits

| Pollutant | Total kg/day |
|--|-------------------------|
| Carbon Monoxide (CO) | 6.120 |
| Particulate Matter <2.5 μm (PM _{2.5}) | 0.018 |
| Particulate Matter <10 μm (PM ₁₀) | 0.082 |
| Nitrogen Oxide (NO _x) | 0.012 |
| Volatile Organic Compounds (VOC) | 0.048 |
| | |
| Carbon Dioxide Equivalents (CO ₂ e) | 8.700 |
| Total Energy Consumption (MMBTU) | 649.057 |



Proposed Stops





Martinsburg, WV

- **EPTA's New Transit Center at 90% Design**
- **6,200 ft² Administration Building**
- **24,000 ft² Maintenance & Storage Facility**
- **5,700 ft² Bus Transfer Center w/ six bus bays**
- **Increased parking, ADA parking and EV in Downtown area.**
- **Construction completion anticipated March 2025.**





Ranson, WV

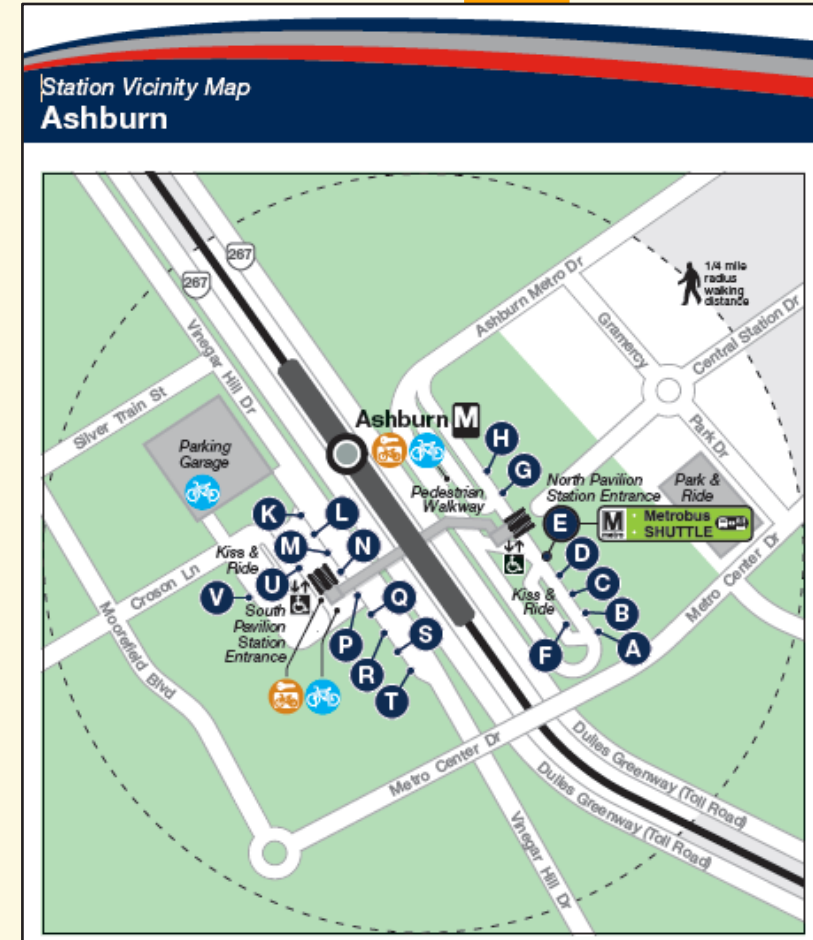
- **Adjacent to Weis Gas N GO**
 - **Minimize conflicts with patrons**
- **49 dedicated parking spots**
- **Signs denoting parking & stop**





Ashburn, VA

- **South Pavilion**
- **Dedicated Bus Bay V**
- **Signs denoting parking & stop**
- **Connecting Service:**
 - **WMATA's Silverline**
 - **Loudoun County Transit**





Leesburg, VA (potential future connection)

- **Identified as a potential future connection**
- **Proposed route can be adjusted slightly to reach this identified employment destination**





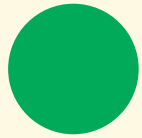
Funding Opportunities

CMAQ

**Carbon
Reduction
Program**

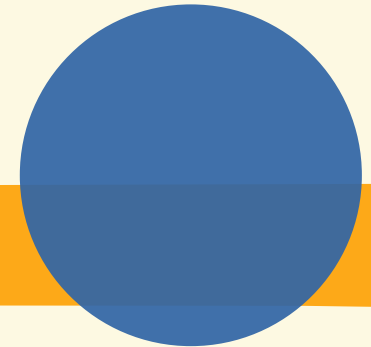
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5307**

**WV State
Budget**



Next Steps

| Task | Subtask | Timeframe |
|-------------------------------|--|---|
| Funding | Secure funding for the vehicles | - |
| | Continue to scan for NOFOs for competitive grants | Ongoing / Monthly |
| Bus Procurement & On-boarding | Purchase and order commuter buses | 18 Months |
| | Delivery of commuter buses | 6 Months |
| | PASSIO Transit Software installation and integration | 5-6 Months |
| | Prepare training materials for drivers | 4 Months |
| | Driver training | 1-2 Months |
| Marketing | Work with WV DPT to finalize logo and bus branding | 18-20 Months |
| | Identify potential partners and events for targeted outreach | 8-12 Months |
| | Develop marketing materials and signage | 4-5 Months |
| | Update website to include route & schedule information | 3 Months |
| | Begin marketing commuter bus service | 3 Months |
| | Fabrication of bus stop signage/wayfinding | 2 Months |
| | Install bus stop signage/wayfinding | 2-3 Weeks |
| Service | Test run of commuter service | 5 Months |
| | Finalize bus schedules based on test run | 4 Months |
| | Finalize MOUs | 3 Months |
| Post-Implementation | Evaluate service and ridership | On-going beginning 1 Month After Start of Service |





Thank you!

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