

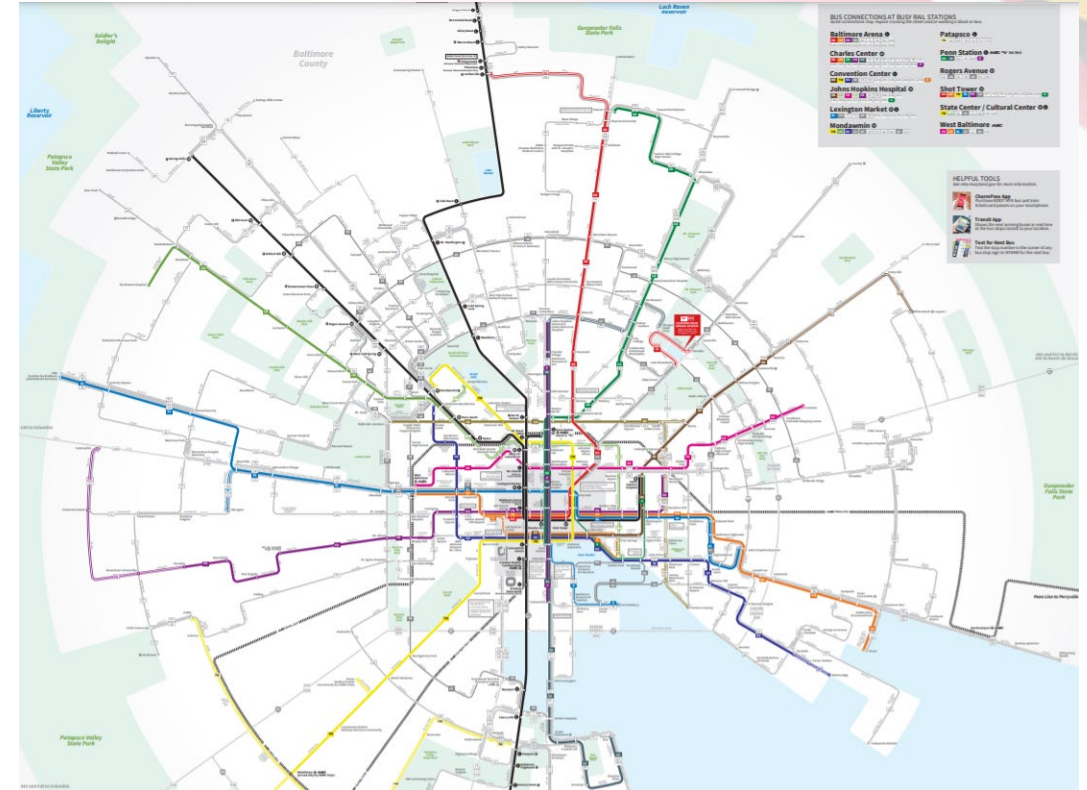


BENEFITS OF THE INFRASTRUCTURE INVESTMENT AND JOBS ACT ON **MARYLAND'S TRANSPORTATION SYSTEMS**

October 15, 2021

WHAT I WILL COVER TODAY

- On-going Transit Development
 - Customer Enhancements
 - Operational Adjustments
- IIJA Latest Status
- Potential Benefits of IIJA for Maryland's Transit
 - Facility Enhancements
 - Fleet Replacement
 - New and Improved Transit Connections
 - LOTS Funding



CUSTOMER ENHANCEMENTS

- As the state riders return to transit, MDOT wants to welcome back transit riders to an improved customer experience
- MDOT MTA Customer Experience Enhancement Program
 - \$43 million investment to enhance reliability, safety, accessibility, and the overall customer experience

Dedicated Bus Lanes



Bus Stops & Transit Hubs



Wayfinding & The Customer Experience



Bike & Shared Mobility

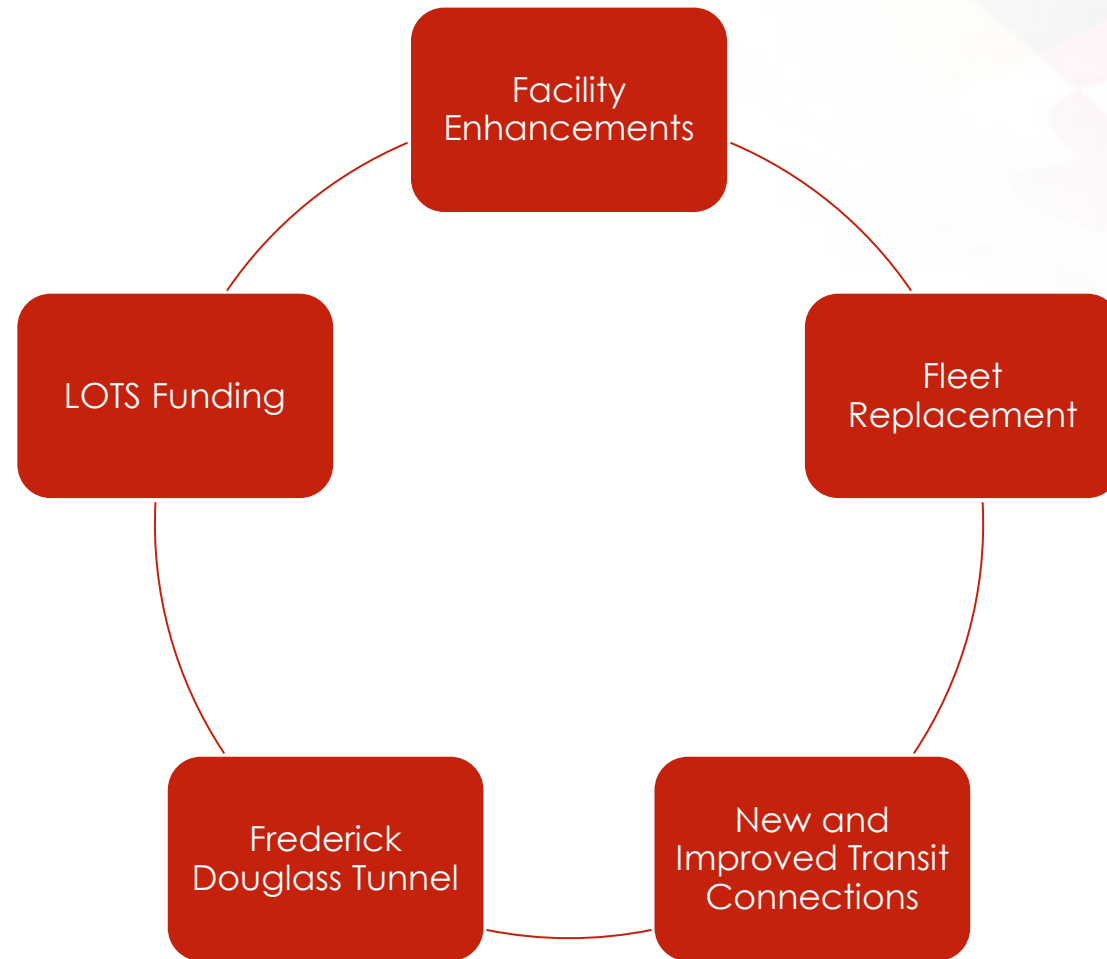


OPERATIONAL IMPROVEMENTS

- Focus on Operators
 - Adjusted training practices in the COVID-19 Pandemic, combined with a national shortage of CDL Drivers, resulted in decline in the number of operators
 - We will continue to take the strong steps to recruit and retain so we can provide the service our community deserves
- Our goal is to achieve at least 80% On-Time Performance
- Entirely New Fare Collection System
 - A \$64M investment
 - Phased-in beginning 2023 with anticipated full operation 2025



IIJA POTENTIAL BENEFITS FOR MARYLAND TRANSIT



FACILITY ENHANCEMENTS

- **Eastern Bus Facility**

- Re-develop as an Electric Bus Division
- 110,000 sq ft of maintenance, washing, fueling, and bus operations space for about 200 buses
- Would also include:
 - Battery electric bus charging infrastructure
 - Solar energy collection system
 - 16-18 repair bays
 - 2 wash lanes



FACILITY ENHANCEMENTS

- **Penn Station Improvements**
 - Coordinated efforts by the private and public sector to modernize the station and surrounding area
 - Station enhancements will improve passenger experience, expand capacity, and ensure efficient operation
 - This will leverage private sector investment to improve the surrounding area and improve community access



Image Source: Penn Station Partners

FLEET REPLACEMENT

- **New Zero-Emission Bus Fleet**

- Goal is to have 50% of fleet (approx. 380 buses) converted by 2030
- In addition, we will have already replaced the other half of the fleet with more fuel-efficient clean-diesel buses by 2023
- This will complement Light Rail, Metro, and MARC fleets that are continuing to be upgraded now
 - By 2024, we will have:
 - 53 Light Rail vehicles overhauled
 - 63 MARC Coaches overhauled and 6 MARC Locomotives
 - 78 Metro Railcars replaced



NEW AND IMPROVED TRANSIT CONNECTIONS

- **RTP Corridors**

- Recently completed an ambitious 25-year Regional Transit Plan for Central Maryland
- 30 immediate strategies to implement over the first 5 years along with 11 Early Opportunity Corridors
- Currently creating implementation plans for 2 key Early Opportunity Corridors (North-South, East-West)
 - Draft CTP adds \$19.1 million for planning and design of these corridors
- Additional funding would allow for these corridor projects to advance into final design and implementation
- USDOT RAISE grant application with BCDOT



NEW AND IMPROVED TRANSIT CONNECTIONS

- **Penn-Camden Connector**

- Creating a connection between the Penn and Camden MARC lines would allow for significant operational benefits
- As the Penn Line also serves along Amtrak's Northeast Corridor, this improvement would optimize both services
- It would eliminate the need to store overnight cars at Penn Station by having them at Mt. Clare Yard



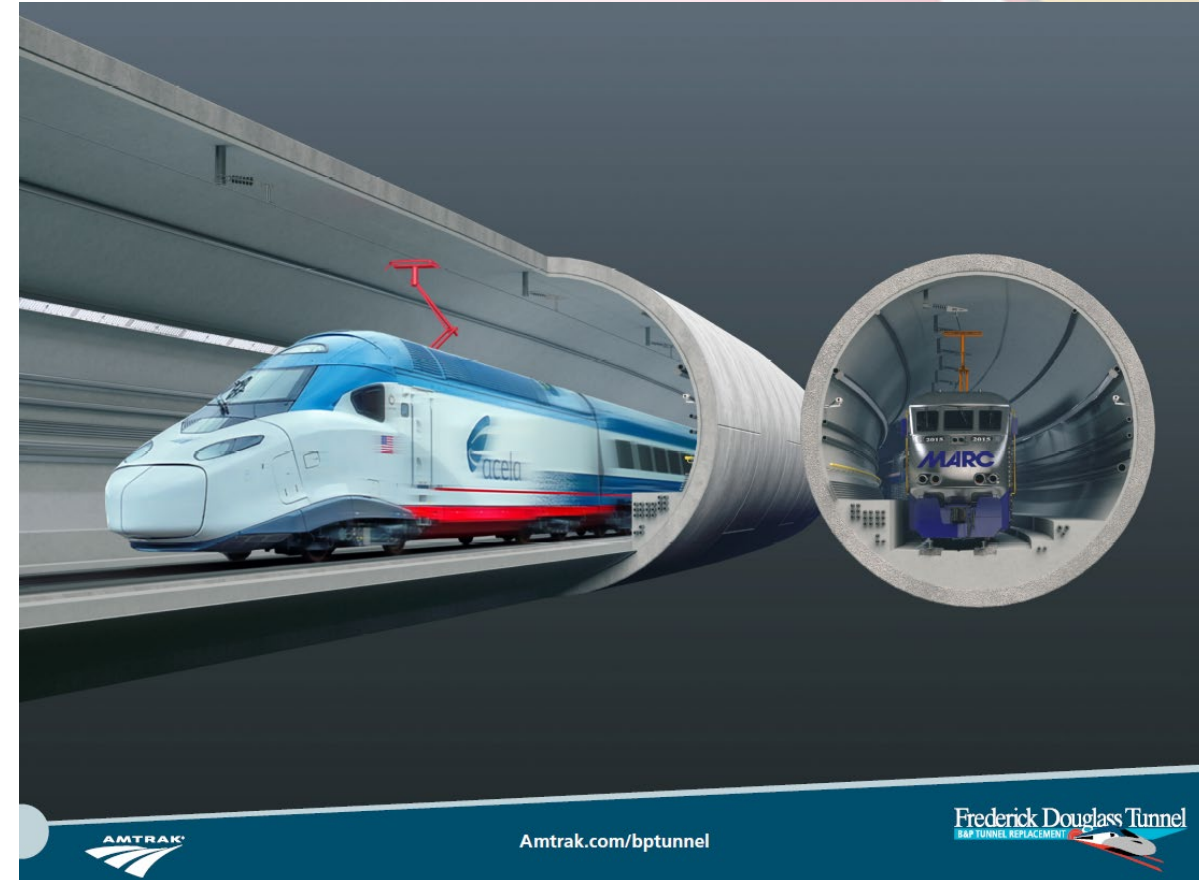
B&P TUNNEL

- Structural deterioration
- No fire/life safety systems
- Excessive maintenance
- Single point of failure
- Bottleneck & Chronic Delays
 - More than 10% of weekday trains are delayed



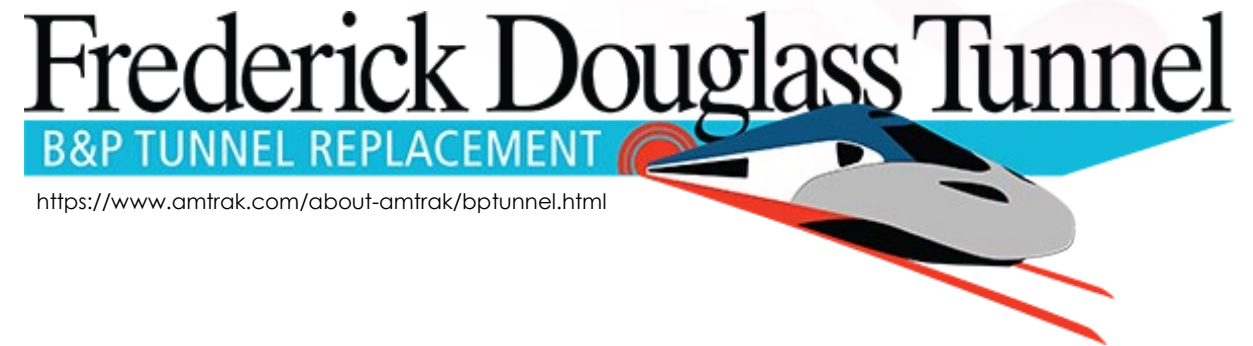
BENEFITS OF NEW FREDERICK DOUGLASS TUNNEL

- **Safety, Reliability, and Efficiency**
 - Will allow for installation of modern life/fire safety systems
 - Speed and capacity improvements will save 7 hours of train delays per weekday
- **Local Jobs Boost**
 - Will generate 30,000 jobs, including 20,000 construction jobs
- **Community Development**
 - Amtrak would invest more than \$50M for community improvements in West Baltimore
 - New West Baltimore MARC Station will be fully accessible and ADA-compliant
- **Economic Catalyst**
 - Enable 30-minute MARC service between Baltimore and Washington, D.C.



FREDERICK DOUGLASS TUNNEL SUPPORTING EFFORTS

- IIJA could potentially provide a significant investment to Amtrak for this project
- Efforts to support the new tunnel:
 - In the process of acquiring dual-mode locomotives (can run electric or gas)
 - Coordinating with Amtrak on design/phasing



LOTS BENEFITS

- IIJA could provide potentially a 30%+ increase to LOTS funding over the 5-year period (FY22-27)
- The FTA will still have to make final determinations after the bill becomes law, but there is the possibility



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QUESTIONS?