



MDOT Attainment Report Advisory Committee (ARAC)

October 18, 2023

Meeting #5

01

Roll Call



ARAC Members

Dr. Mansoureh Jiehani, Transportation Demand Management (ARAC Chair)
Morgan State University

Deborah Price, Maryland Counties Demographic Planner, Harford County

Louis Campion, Goods Movement Industry
Maryland Motor Truck Association

Alexander Austin, Business
Prince George's County Chamber of Commerce

Dennis Enslinger, Maryland Municipalities
Gaithersburg Deputy City Manager

Ragina Ali, Auto Users Group
AAA Mid-Atlantic

Ben Groff, Transit Users
MTA Citizens Advisory Committee, Chair
Red Line Now PAC Chair

Derrick Waters, Disabled Citizens
US Treasury IRS

Robert A. Holsey, Jr., Construction Industry
International Union Of Operating Engineers
Local 37

Brian Patrick Wivell, Transportation Labor
Maryland State & DC AFL-CIO, Legislative & Political Director

Gustavo Torres, Immigrant Community
Executive Director, CASA Maryland

Sheila Somashekhar, Transit Users
University of Maryland
Purple Line Coalition

Charlotte Davis, Rural Interests
Rural Maryland Council

Jacqueline Allsup, NAACP
Vice President, Maryland State NAACP

Dr. Shima Hamidi, Health Equity
Johns Hopkins University
Environmental Health & Engineering

Chester Harvey, Pedestrian/Bicyclists
National Center for Smart Growth, University of Maryland

Jaime McKay, Transit Users
Transit Services Division, Frederick County

Dr. Ting Ma, Transportation Performance Management
TRB Standing Committee
on Performance Management

Charles Boyd, Planning
Director of Planning Coordination, Maryland Department of Planning

Lindsey Mendelson, Environmental Advocacy
Sierra Club Maryland

** Information on the ARAC at www.mdot.Maryland.gov/ARAC*

Agenda



- Roll Call
- Update on 2024 Attainment Report
- Review of Draft 2050 MTP, the “Playbook”
- Overview of Draft 2050 Bicycle & Pedestrian Master Plan
- Public Comments

02

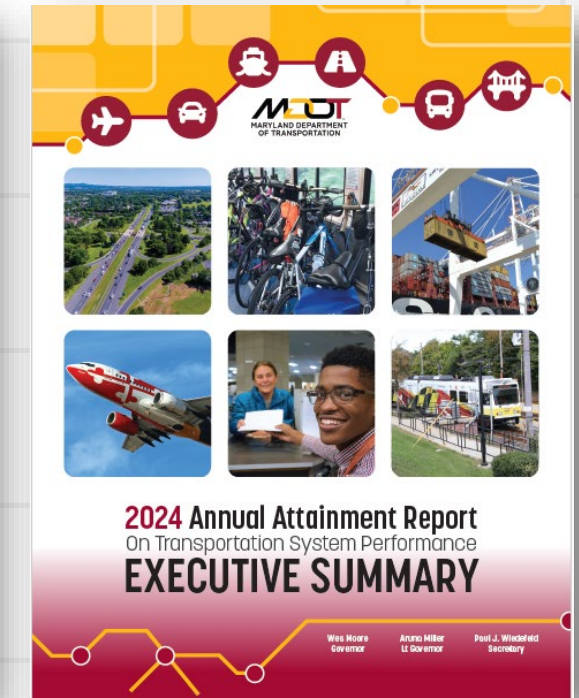
Update on the 2024 Attainment Report (AR)



ARAC Draft Report



- **2024 Attainment Report (AR)**
 - Working on collecting the new data / updating trends, etc.
 - Revised cover / Executive Summary cover
 - Performance Status / Spreads
 - Newer Equity Measures (example)
- **Measures to be added for the 2025 AR**
 - On-Time, On-Budget Projects
 - MDOT EV Fleet Vehicle Transition



GOAL: DELIVER SYSTEM QUALITY: DELIVER A RELIABLE, HIGH-QUALITY, INTEGRATED TRANSPORTATION SYSTEM

Key Outcomes for this Goal to achieve through the 2050 MTP: If we deliver a reliable, high-quality, integrated transportation system, the budget will be effectively managed to deliver the greatest impact for our investments.

Millions of Maryland residents and visitors drive a vehicle, take public transit, walk, bike, and use Maryland's transportation system and services to get where they need to go.

Performance Measures

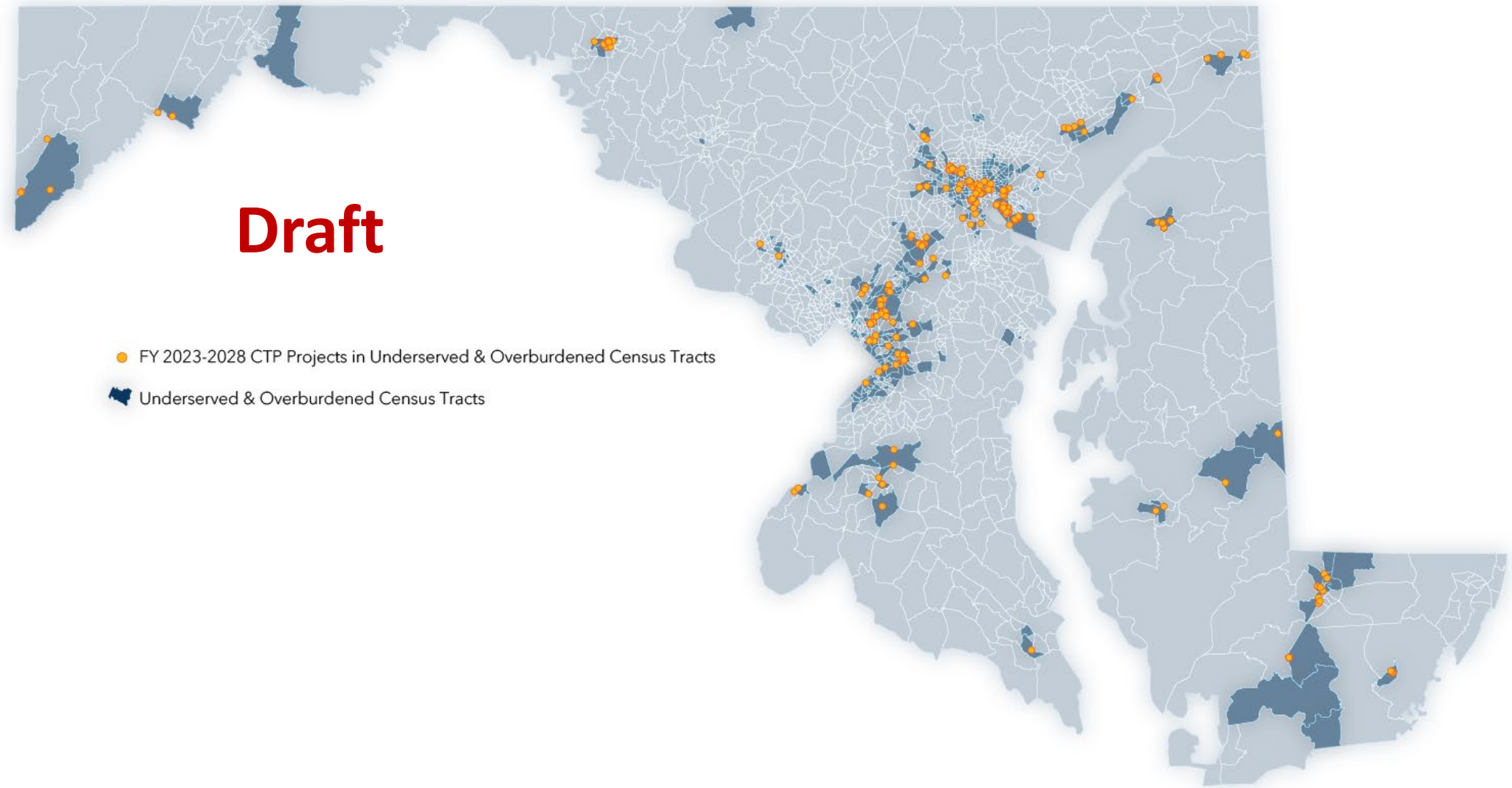
OBJECTIVES	PERFORMANCE MEASURE	RATING
Provide a multimodal system resilient to changing conditions and hazards	Preparedness of the transportation system for weather conditions and hazards	TARGET ACHIEVED
	Percentage of lane-mile of fixed guideway transit systems susceptible to flooding and storm surge	ON TARGET
Increase the percentage of state-owned or funded facilities and assets in a state of good repair	Unfunded state of good repair backlog	FACING CHALLENGES
	Percentage of the Maryland state highway network in overall preferred maintenance condition (MFR)	MAKING PROGRESS
	Overall Acceptable Pavement Condition (MFR)	MAKING PROGRESS
	Percentage of all Maryland Bridges that are in Poor Condition (MFR)	FACING CHALLENGES

Sample

ARAC Draft Report: Example Measure



- **PM: Relative percentage of CTP investment that is in overburdened and underserved communities**
 - **DRAFT 2023 data: 31.4%**



03

Review of the Draft 2050 Maryland Transportation Plan, “The Playbook”



MDOT 2050 MTP

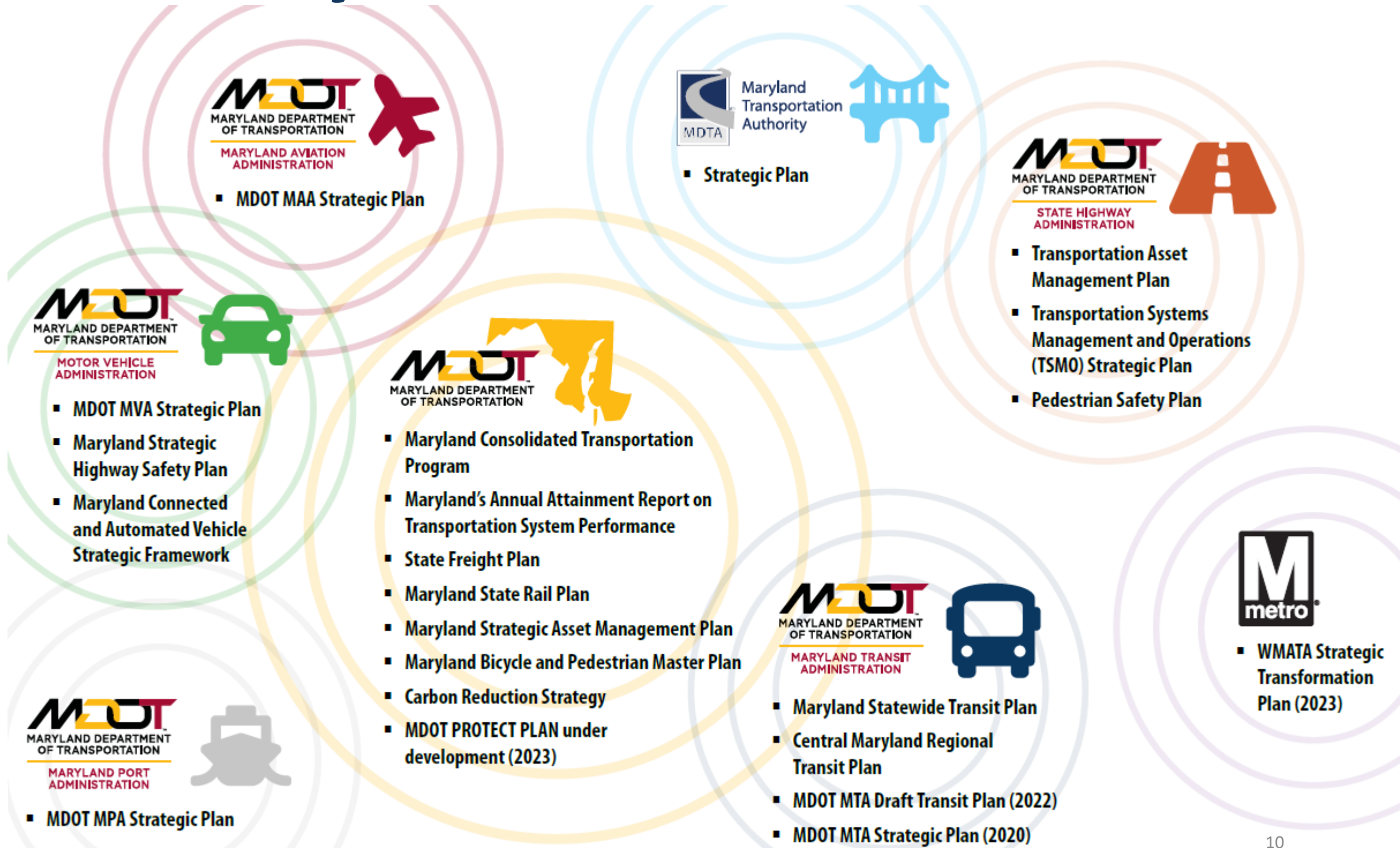
THE PLAYBOOK

Bold Calls. Strategic Moves. Effective Results.



MDOT Family of Plans

The MTP is informed by and informs the Family of Plans.



MDOT
MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND AVIATION ADMINISTRATION

- MDOT MAA Strategic Plan

MDTA
Maryland Transportation Authority

- Strategic Plan

MDOT
MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

- Transportation Asset Management Plan
- Transportation Systems Management and Operations (TSMO) Strategic Plan
- Pedestrian Safety Plan

MDOT
MARYLAND DEPARTMENT OF TRANSPORTATION
MOTOR VEHICLE ADMINISTRATION

- MDOT MVA Strategic Plan
- Maryland Strategic Highway Safety Plan
- Maryland Connected and Automated Vehicle Strategic Framework

MDOT
MARYLAND DEPARTMENT OF TRANSPORTATION

- Maryland Consolidated Transportation Program
- Maryland's Annual Attainment Report on Transportation System Performance
- State Freight Plan
- Maryland State Rail Plan
- Maryland Strategic Asset Management Plan
- Maryland Bicycle and Pedestrian Master Plan
- Carbon Reduction Strategy
- MDOT PROTECT PLAN under development (2023)

MDOT
MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION

- Maryland Statewide Transit Plan
- Central Maryland Regional Transit Plan
- MDOT MTA Draft Transit Plan (2022)
- MDOT MTA Strategic Plan (2020)

M metro

- WMATA Strategic Transformation Plan (2023)

MDOT
MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND PORT ADMINISTRATION

- MDOT MPA Strategic Plan



The Playbook

The Playbook clearly outlines Maryland's vision to provide safe, reliable, accessible, equitable, and sustainable transportation options to Marylanders across the State.





What is in the Playbook?

The Playbook

<p>1 COACH'S CORNER</p> <p>PG 06 An introduction to the Playbook.</p>	<p>2 SCOUTING REPORT</p> <p>PG 10 Analysis of the transportation system's existing conditions, trends, revenues, and needs.</p>
<p>3 GAME PLAN</p> <p>PG 36 Our approach to implementing the Playbook and improving the transportation system over the next five years.</p>	<p>4 TEAM RECORD +PLAYER STATS</p> <p>PG 50 How we will measure successful implementation of the Playbook.</p>



Implementing the Playbook

MDOT will implement the Playbook through the strategies and our key multimodal projects, our Game Changers, identified in the Plan.





Strategies – Policies, processes, and programs MDOT will implement over the short- to mid-term to work toward the 4 goals while complying with our 5 guiding principles.

GUIDING PRINCIPLES

- Equity
- Resilience
- Experience
- Preservation
- Modernization

MTP GOALS

- Enhance Safety and Security
- Deliver System Quality
- Promote Environmental Stewardship
- Serve Communities & Support the Economy





ENHANCE SAFETY AND SECURITY

Objectives

Strategies

Reduce the number of lives lost and injuries sustained on Maryland's transportation system

- » Implement safety improvements on roadways where the Crash Severity index is high.
- » Develop and implement effective engineering and technology solutions to reduce aggressive and distracted driving, using data-driven methods and proven best practices.
- » Identify best practices for reducing transit assaults.
- » Expand work zone enforcement and work with partners to enhance all enforcement.

Minimize disparities in Safety across Maryland's diverse communities

- » Pursue community engagement with diverse communities to understand their safety concerns.
- » Implement system-wide roadway safety improvements and technology approaches that address the safety of vulnerable user groups (e.g., bicyclists, pedestrians, motorcyclists, older and younger drivers, etc.).

Address multimodal safety needs to support a safe, secure, and low stress transportation system

- » Provide support for safe transit stops and vehicles, including Crime Prevention Through Environmental Design.
- » Implement sustained sidewalk building program to fill in gaps in pedestrian networks.
- » Expand active transportation network connections and ensure active transportation routes are protected from vehicular traffic.

Maintain a safe system during adverse weather events, man-made threats, and other system disruptions

- » Standardize operations, response, and scene safety practices with first responders and other key partners.
- » Implement unified incident command with first responders.

DELIVER SYSTEM QUALITY

Objectives

Strategies

Increase the percentage of State-owned or funded facilities and assets in a State of good repair

- » Invest in MDOT roadways to maintain pavement quality.
- » Invest in MDOT bridges to improve the condition of bridges and preserve existing bridges in fair or good condition.
- » Leverage MDOT's asset management program and data-driven analyses to prioritize investments in vital infrastructure and transit assets.

Minimize travel delays and improve reliability and quality

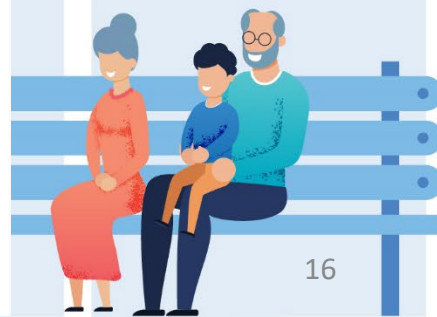
- » Work with local jurisdictions to prioritize the movement of transit vehicles in congested areas.
- » Implement improvements to enhance the existing transportation system and reduce congestion on highway systems, focusing on integrated freeway and arterial management and operations.
- » Improve MTA transit on-time performance through operational and staffing policies.
- » Address congestion and bottlenecks on nationally and regionally significant corridors to facilitate access to major employment, freight, and activity centers.

Provide a multimodal system resilient to changing conditions and hazards

- » Identify assets that are vulnerable to flooding and inundation, and develop adaptation strategies such as reconstruction, relocation, and protective infrastructure.
- » Invest in technology to facilitate 24/7 roadway clearance and public information of incidents through the Coordinated Highway Action Response Team (CHART).
- » Prepare for future climate impacts on transportation infrastructure through site and stressor Identification, risk assessment, and adaptation development.

Accelerate project completion through improved project delivery

- » Leverage State and federal infrastructure funding with public, private, and other partners.
- » Refine MDOT's project delivery practices to improve decision making and reduce project risks..
- » Partner with local jurisdictions to implement a comprehensive federal grant strategy.
- » Develop a project prioritization system that strategically allocates resources to maximize return on investments and align with policy goals.



SERVE COMMUNITIES AND SUPPORT THE ECONOMY

Objectives	Strategies
<p>Enhance Marylanders' satisfaction with the transportation system and MDOT services</p>	<ul style="list-style-type: none"> » Improve the tracking, responsiveness, and time-to-resolution of all electronic, telephone, written, and in-person correspondence. » Improve traveler service transactions by implementing the MVA Customer Service Plan. » Provide enhanced training and employee development for MDOT employees interacting directly with our users. » Implement a new fare collection system that allows for fare capping and transfers between MTA services and Locally Operated Transit Systems (LOTS).
<p>Apply enhanced technologies to improve communication and relay real-time information</p>	<ul style="list-style-type: none"> » Improve the quality, accuracy, and accessibility of real-time travel information for all modes. » Provide reliable and accessible real-time modal choice information to customers and stakeholders. » Improve MobilityLink, the MDOT app for paratransit riders to book, manage trips, and monitor vehicle location in real time. » Address the causes of missed transit trips.
<p>Increase transit use, active transportation, and transit-oriented development (TOD)</p>	<ul style="list-style-type: none"> » Rethink the role of commuter bus service to meet customers' needs in a post-COVID-19 environment. » Support Locally Operated Transit Systems (LOTS) to enhance their service to meet local needs. » Develop a statewide bicycle network through the Maryland Pedestrian and Bicycle Plan. » Jumpstart TOD activity at key locations in coordination with local jurisdictions.



SERVE COMMUNITIES AND SUPPORT THE ECONOMY

Objectives	Strategies
<p>Improve quality of life by providing active transportation and transit access to jobs and opportunities</p>	<ul style="list-style-type: none"> » Increase transit, high-occupancy vehicle, carpool, and vanpool options to connect communities to jobs at key employment centers. » Coordinate with MTA, WMATA, and local transit agencies to enhance scheduling, station stops/hubs, and ticket integration to create seamless regional service. » Strategically invest to improve connectivity and comfort of pedestrian and bicycle networks within and between jurisdictions and for both on and off-road facilities to increase use. » Update and apply a complete streets policy on all applicable projects » Partner with Amtrak to invest in passenger rail improvements in the Northeast Corridor. » Evolve MARC to serve as a true regional rail system that connects to interregional job hubs and supports Maryland's economy.
<p>Prioritize the transportation needs of underserved and overburdened communities in project selection</p>	<ul style="list-style-type: none"> » Identify opportunities to prioritize underserved and overburdened communities in project selection, scoping, and design. » Ensure language accessibility in transportation planning and operation. » Improve paratransit and fixed-route service for people with disabilities.
<p>Improve the efficiency and competitiveness of the Port of Baltimore and BWI Marshall Airport</p>	<ul style="list-style-type: none"> » Undertake robust engagement with airport, port, business, and community stakeholders to inform development plans, with a particular focus on inclusive engagement. » Improve access for cargo and the supply chain to the port, airport and statewide to accommodate growth, with considerations of ways to limit impacts to neighboring communities. » Advance airport development plans to enhance competitiveness and customer experience.



PROMOTE ENVIRONMENTAL STEWARDSHIP

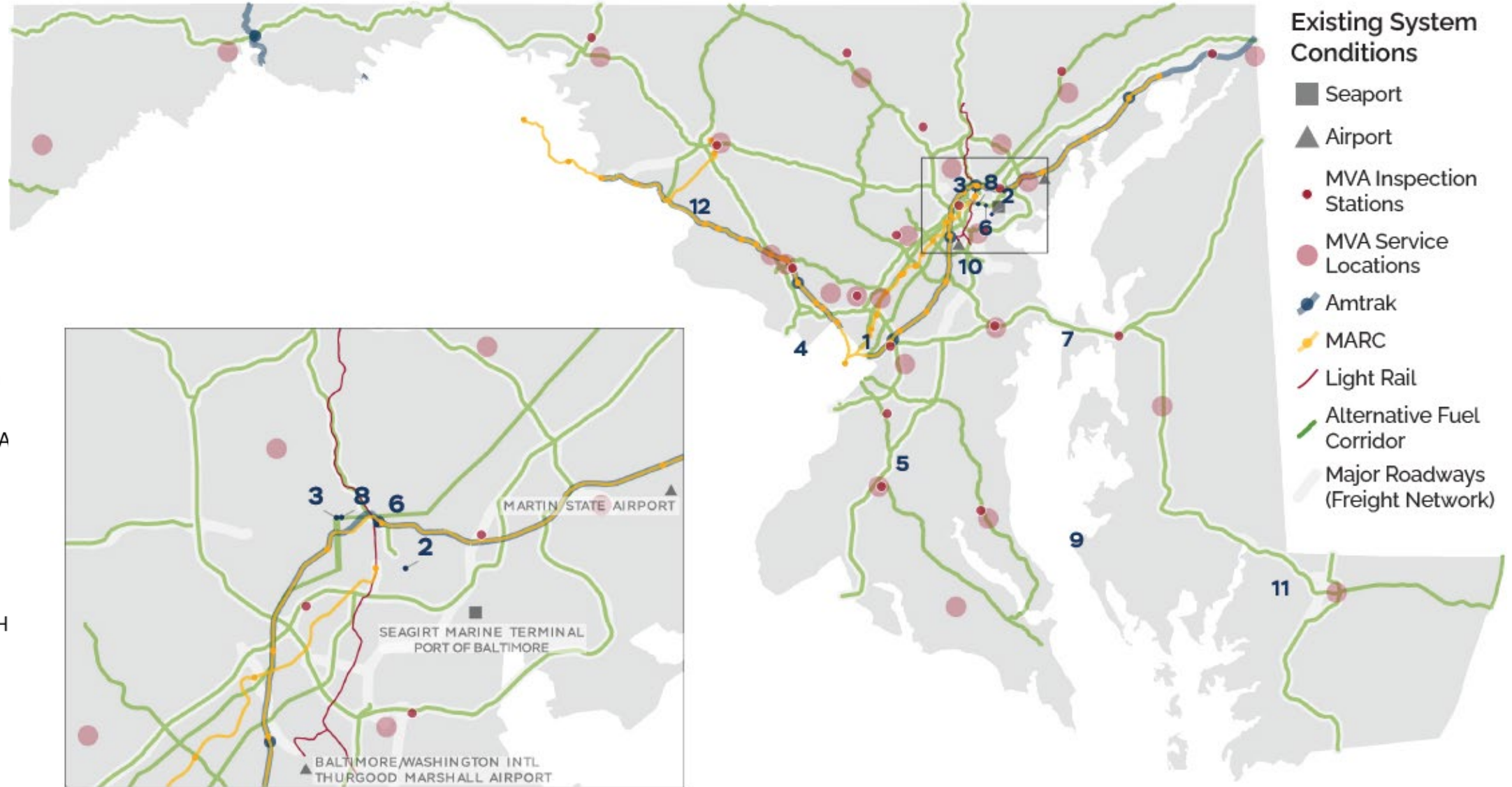
Objectives	Strategies
<p>Minimize fossil fuel consumption, reduce greenhouse gas emissions, and improve air quality</p>	<ul style="list-style-type: none"> » Lean on Travel-Demand Management (TDM) to reduce vehicular trips. » Implement policies and incentives to encourage mode shift. » Address air pollution through emissions compliance. » Promote and/or incentivize fuel-efficient technologies for medium and heavy-duty trucks.
<p>Support the widespread adoption of alternative fuels, electric vehicles and innovative technologies</p>	<ul style="list-style-type: none"> » Increase electric vehicle charging infrastructure, including in rural areas and overburdened and underserved areas. » Convert the MDOT fleet to EVs and alternative fuels.
<p>Protect and enhance the natural environment through avoidance, minimization, and mitigation Adverse impacts related to transportation infrastructure</p>	<ul style="list-style-type: none"> » Conduct thorough environmental impact assessments for transportation projects to identify potential adverse impacts on the natural environment. » Continue to coordinate with other State agencies to heighten the awareness of the value and vulnerability of the State's water and natural resources. » Develop and implement a "Green Port Strategy" consistent with industry trends and initiatives including U.S. EPA's Strategy for Sustainable Seaports.
<p>Employ resource protection and conservation practices in project development, construction, operations, and maintenance of transportation assets</p>	<ul style="list-style-type: none"> » Incorporate innovative practices, including the efficient reuse of construction materials, to protect and conserve natural resources in the maintenance and operations of the transportation system. » Mitigate stormwater runoff with green infrastructure features to protect sensitive aquatic ecosystems like the Chesapeake Bay. » Develop a comprehensive Environmental Management System. » Implement a comprehensive transportation resilience program aligned with the federal PROTECT initiative.

Game Changers – Key multimodal transportation projects to implement the plan and work toward the goals

1. Purple Line (MTA)
2. Baltimore Red Line (MTA)
3. Frederick Douglass Tunnel (MTA)
4. American Legion Bridge (SHA)
5. Southern Maryland Rapid Transit (MTA)
6. Howard Street Tunnel (MPA)
7. Bay Crossing NEPA (MDTA)
8. Baltimore Penn Station Redevelopment (MTA)
9. Mid-Bay Dredge Placement Project (MPA)
10. BWI Marshall Terminal A/B Connector Project (MA)
11. ROUTE on U.S. 50 (SHA)
12. Brunswick Line (MTA)

Statewide

13. Complete Streets Program (SHA)
14. Pedestrian Safety Action Plan Implementation (SH)
15. Statewide Trail Network (SHA/TSO)
16. Transit Oriented Development Program (TSO)
17. EV Charging Infrastructure
18. Carbon Reduction Strategy
19. Resilience Improvement Plan



Next Steps

Help us spread the word about the Playbook!



Public Comment Period



Please spread the word about the Playbook!

Visit our site –

www.mdot.maryland.gov/mtp

- Public Comment period through November 20th

Resources include:

- A video about the Playbook
- A downloadable version of the Playbook for review
- Information about ways to provide comments (survey and email)
- Additional related resources



Next Steps

Questions and Comments



MDOTMTP@mdot.Maryland.gov

04

Overview of the Draft 2050 Bicycle and Pedestrian Master Plan





- Updating and strengthening MDOT's bicycle, micromobility and pedestrian policies, practices and tools.
- Identify gaps on Maryland's low stress network of shared-use paths, protected bikeways and sidewalks.
- Develop an implementation plan to guide infrastructure investments and policy changes.

Plan Development

2050marylandbpmp.com



Public Outreach



94% take walking trips for exercise or recreation



93% take a bike trip for exercise or recreation



62% would bike more with less traffic interaction



81% want more shared-use path, wider sidewalks

72% want more protected bike lanes

Vision & Goals

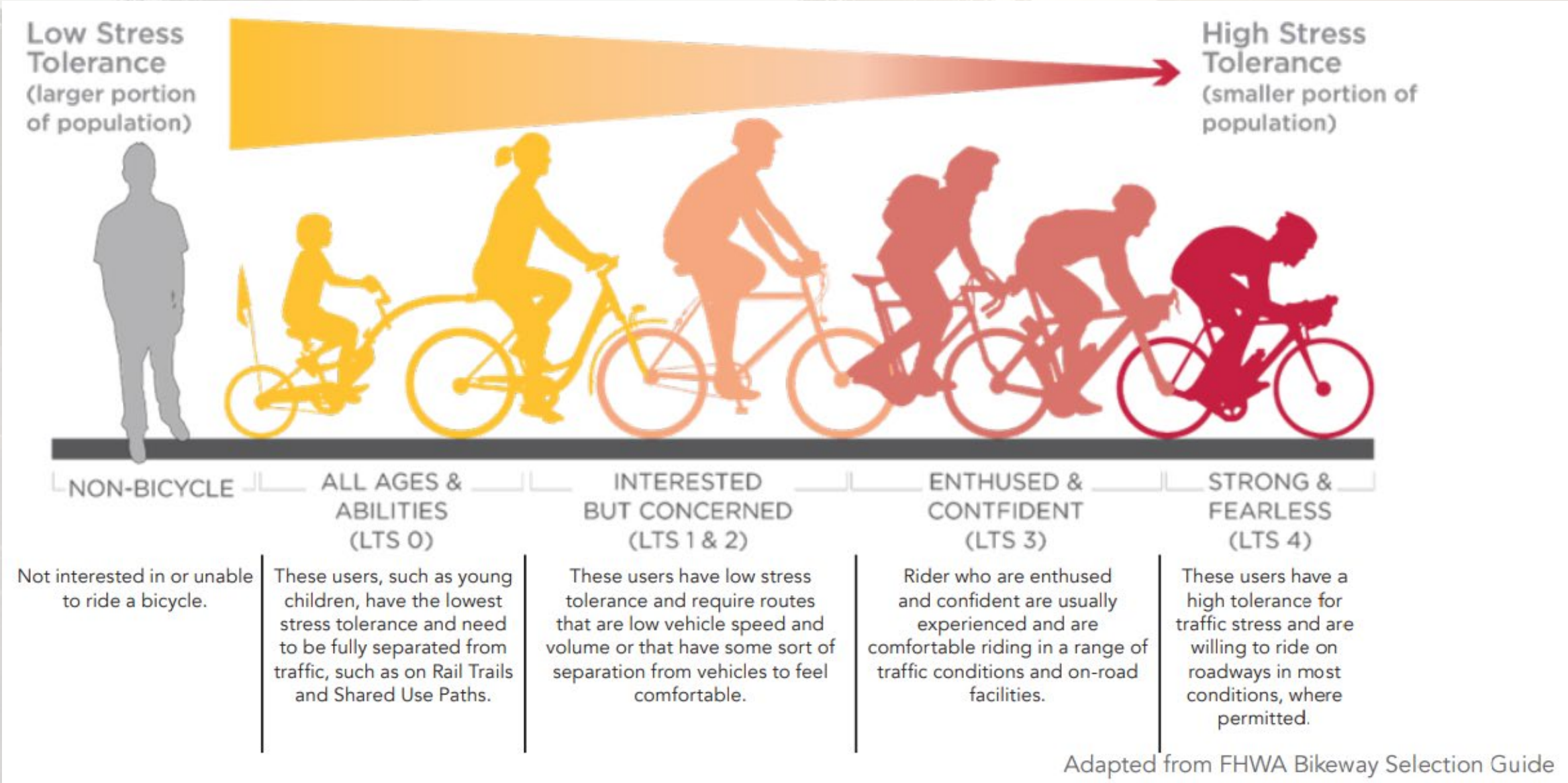
Maryland will provide safe and convenient active transportation that supports equitable access for all.

- **Safety** through infrastructure & evaluation
- **Process** improvements to integrate active transportation considerations
- **Connections** in the network for short- and long-distance trips
- **Equitable & Sustainable Communities** support with tools and funding

Recommendations

- Complete Streets Policy & Program
- Statewide Trail Network and Trails Team
- Revisit facility maintenance policies & mandates
- Railbanking Procedures
- Pedestrian Network Digital Inventory
- Pedestrian Safety Action Plan (PSAP) Implementation
- Pedestrian Safety Task Force
- Prioritize high-use transit stops for accessibility improvements
- Bicycle Facility Selection Guidance

Bicycle Facility Selection Guidance



Draft Plan

Public comment through
November 20, 2023

Final Plan to be adopted
January 2024

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2050
DRAFT
MARYLAND
Statewide Bicycle & Pedestrian
Master Plan



05

Public Comments





**Thank you again for
your Time and Input!**