Topics for Discussion

Freight Plan Overview
- Freight Plan Tasks
- Milestone Meetings
- Peer Assessment

Freight Plan Outreach
- Stakeholder Groups
- State Freight Advisory Committee

Input on Vision, Goals and Priorities
- Polling

Questions
Polling – Poll Everywhere

Join by Web

1. Go to PollEv.com
2. Enter MDOT253
3. Respond to activity
Freight Plan Overview
Purpose

To examine existing and projected conditions, and identify policy positions, strategies, and freight projects to improve freight movement efficiency and safety.

A safe and reliable freight system leads to lower costs of goods that consumers and companies need for good quality of life and successful enterprise. Ensuring that the network of highways, railways, waterways, and airports are ready to handle the current level and anticipated growth of goods movement is a priority of the Maryland Department of Transportation (MDOT).
Overview

The State Freight Plan update will focus on:

- **Federal freight planning requirements** of MAP-21, FAST Act, or beyond
- **Comprehensive overview of freight movement** in Maryland
- **Freight supply chain** or **technology** influences
- Identifying policy needs and strategies
- Identifying freight project priorities and related **investment plans** for a five-year forecast period
- Collaborative effort amongst freight stakeholders
- Coordination with existing/ongoing plans and resources
FAST Act Requirements

1. Freight System Trends, Needs, and Issues
2. Freight Policy, Strategy, and Performance Measure Evaluations
3. Freight Network
4. Implementation Alignment with National Freight Policy Goals
5. Innovative Technologies
6. Asset Preservation and Improvement Strategies
7. Freight Bottlenecks, Mobility Issues, and Mitigation Strategies
8. Freight Congestion and Mitigation Strategies
9. Freight Investment Plan
10. Freight Advisory Committee Consultation

* Pending any changes due to Reauthorization
Freight Plan Tasks
Freight Plan Outline and Related Tasks

Sections 1-2 (Milestone 1)
Strategic Guidance

1. Introduction
   - Purpose and Vision
   - Recent Actions and Highlights
   - Stakeholders and Partnerships
2. Strategic Goals and Objectives
   - Federal Requirements
   - National Freight Policy
   - 2040 Maryland Transportation Plan
   - MDOT State Freight Plan

Sections 3-6 (Milestone 2)
Freight System and Assessments

3. Freight Demand and the Economy
   - Overall Freight Demand
   - Agriculture and Mining
   - Construction and Industry Manufacturing
   - Wholesale Trade and Transportation
   - Retail Trade and Health Care
   - Government and Knowledge
4. Freight Network and Infrastructure
   - Roadway Infrastructure
   - Railroad Infrastructure
   - Port and Waterway Infrastructure
   - Air Cargo Infrastructure
   - Energy Infrastructure
5. Freight System Performance
   - Performance Measures
   - Overview and Tracking
   - Safety, Security, and Resilience
   - Economic Opportunity and Efficiency
   - System Preservation and Modernization
   - Quality of Service, Efficiency, and Customer Experience
   - Environmental Protection and Sensitivity
   - Transportation Choices and Connections
   - Fiscal Responsibility
6. Freight System Trends, Needs, and Issues
   - Statewide
   - Western Maryland
   - Eastern Shore
   - Southern Maryland
   - Baltimore Metro Region
   - Washington Metro Region

Sections 7-9 (Milestone 3)
Freight Action Plan

7. Freight Investment Plan
   - Financial Plan
   - Investment Plan Priorities
   - Unfunded Needs
8. Freight Focus Areas and Strategies
   - Freight Congestion and Mitigation
   - Innovation and Technology Opportunities
   - Freight and Asset Management
   - Truck Parking
   - Other Areas
9. Implementation
   - Planning and Programming
   - Data and Analysis
   - Communication and Partnerships
   - Next Steps

* Appendices will be expanded to house relevant supporting details where applicable.
Schedule/Milestones

- Milestone 1: April 2021
  Visioning
- Milestone 2: August 2021
  Projects and Programs
- Milestone 3: December 2021
  Draft Plan Development
- Milestone 4: April 2022
  Final Plan Reviews
- Milestone 5: October 2022
  Federal Approval

Kickoff: Fall 2020
Peer Assessment
# Peer Assessment / Best Practices

## Peer Review Sources

<table>
<thead>
<tr>
<th>Policy / Industry Perspectives</th>
<th>Statewide Perspectives</th>
<th>Regional Perspectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAST Act Requirements</td>
<td>Delaware</td>
<td>DVRPC</td>
</tr>
<tr>
<td>ATRI Best Practices *</td>
<td>Virginia</td>
<td>NYMTC</td>
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<tr>
<td>ATRI Critical Issues</td>
<td>West Virginia</td>
<td>OKI</td>
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<td>APA Policy Outcomes</td>
<td>Pennsylvania</td>
<td>SPC</td>
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<td>Florida</td>
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<td>Minnesota</td>
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<td>Washington</td>
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* Included insights from TX, GA, CA, MS, IA, FL, WA, MI, OH, NV, MD, AL
Peer Assessment Considerations

General Perspectives

• No “one size fits all”
• Common themes - Plan organization, Use of freight data, External planning partners

- Plan Linkages and Libraries
- Streamlined Freight Documentation
- Alignment of Goals and Objectives
- Active External Partnerships
- Full Freight Network Coverage

- Strategic Use of Freight Data and Performance Measures
- Freight Corridors and Sub-Areas
- Planning for Economic Influences
- Planning for Resiliency
- Planning for Technology

- Freight Project Screening and Prioritization
- Action Item Planning
- Interactive Online Freight Data Resources
Freight Plan Stakeholder Outreach
# Stakeholder Outreach

<table>
<thead>
<tr>
<th>Stakeholder Group</th>
<th>Meetings</th>
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<tbody>
<tr>
<td>MDOT TBU internal Freight Roundtable</td>
<td>Internal Quarterly Coordination Meetings in advance of key milestones, briefings with MDOT leadership at key milestones to discuss draft and final plans</td>
</tr>
<tr>
<td>State Freight Advisory Committee (SFAC)</td>
<td>March and September meetings or more, as needed</td>
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<tr>
<td>MPO Roundtable</td>
<td>Quarterly MPO Roundtable meetings</td>
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<tr>
<td>MPOs</td>
<td>Invitations/inclusion via Milestone Meetings and work sessions with each MPO</td>
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<tr>
<td>FHWA</td>
<td>Initial briefing and key milestones, as appropriate</td>
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<tr>
<td>Regional Stakeholders</td>
<td>Invitation/inclusion via Milestone Meetings only</td>
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<tr>
<td>Additional Stakeholders</td>
<td>Upon Request</td>
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</tbody>
</table>
# Members of State Freight Advisory Committee

<table>
<thead>
<tr>
<th>Aberdeen Proving Ground</th>
<th>HEPMPO</th>
<th>Maryland and Delaware Railroad</th>
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<tbody>
<tr>
<td>Amazon</td>
<td></td>
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<tr>
<td>Aviation Facilities Company Management, LLC</td>
<td></td>
<td>Maryland DOC, DOE, DOL, DOP, DOT</td>
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<tr>
<td>Baltimore City</td>
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<td>Maryland Motor Truck Association</td>
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<tr>
<td>Baltimore Development Corporation</td>
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<td>Norfolk Southern</td>
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<tr>
<td>Baltimore Industrial Group</td>
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<td>Pennsylvania DOT</td>
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<tr>
<td>BMC</td>
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<td>Perdue Agri Business</td>
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<tr>
<td>Belt’s Transportation Services</td>
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<td>Ports America Chesapeake</td>
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<tr>
<td>Calvert-St. Mary’s MPO</td>
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<td>Salisbury/Wicomico</td>
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<td>CAMPO</td>
<td></td>
<td>Specialized Carrier and Rigging Association</td>
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<tr>
<td>Canton Railroad Company</td>
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<td>SYSCO Eastern Maryland</td>
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<tr>
<td>Community College of Baltimore</td>
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<td>The Terminal Corporation</td>
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<tr>
<td>Consumer Brands Association</td>
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<td>Tradepoint Atlantic</td>
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<td>Cowan Systems, LLC</td>
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<td>UPS</td>
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<td>CSX</td>
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<td>Virginia DOT</td>
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<td>Delaware DOT</td>
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<td>Wallenius Wilhelmsen Line</td>
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<tr>
<td>D.M. Bowman, Inc</td>
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<td>Weller Development</td>
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<tr>
<td>FedEx</td>
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<td>WILMAPCO</td>
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<tr>
<td>FHWA</td>
<td></td>
<td>W.R. Grace Inc.</td>
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<tr>
<td>FMCSA</td>
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<td>MWCOG</td>
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<td>WVDOT</td>
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</table>
Role of State Freight Advisory Committee (SFAC)

Advise
Serve
Communicate
Promote

Participate
Provide
Review
State Freight Advisory Committee: Goals & Objectives

Goal of the State Freight Advisory Committee (SFAC)
To represent the freight community at large and advise the State on freight-related priorities, policies, issues, projects, and funding needs in order to advance freight Goals and Objectives in Maryland.

➢ Support State Freight Plan Update.
➢ Provide feedback on freight project prioritization.
➢ Provide guidance on freight program activities.
➢ Communicate freight experience and bottlenecks.
➢ Advise on next generation supply chain operations and how the State can support industry.
➢ React to Freight Performance and advise on solutions to address bottlenecks.
SFAC Meeting #1 (3/3/21)

- Introduction & Mission of SFAC
- State of the Practice:
  - COVID Supply Chain Public Sector Perspective
  - COVID Supply Chain Industry Perspective
- Federal Update
- Maryland State Update:
  - Rail Plan
  - Port of Baltimore Howard Street Tunnel
  - Truck Parking
- Updates from the Committee
- Housekeeping & Administration

Next meeting: Wednesday September 2, 2021 at 2:00 PM
SFAC Meeting #1 (3/3/21): Poll Results

State Freight Advisory Committee
Importance of Freight

State Freight Advisory Committee
Areas of Focus for Future Meetings

- Innovative Technologies: 52%
- Industry Spotlight (ex. Agriculture, Retail): 26%
- Economic / Workforce Development: 22%
- Freight Data Visibility:

Words:
- efficiency
- safety
- economic
- movement
- free
- keeping
- activity
- use
- goods
- rail
- land
- efficiency
- vitality
- reduced
- utilization
- transportation
- goods
- flow
- planned
- dependable
- reuse
- scheduling
Polling – Poll Everywhere

Join by Web

1. Go to PollEv.com
2. Enter MDOT253
3. Respond to activity
What is the most important thing about freight to you?
What is the most important thing about freight to you?

• Economy – Keeping the economy running/economic vitality/economy/growth/economic activity/economic competitiveness

• Efficiency of Movement – Safe and efficient movement of goods/seamless/efficient/dependable/free flow/goods movement/deliveries

• Safety – Safe efficient movement/safe/safety
Vision

2017 Freight Vision:
Freight travels freely and safely through an interconnected network contributing to economic viability and growth for Maryland businesses.

POLLING:
- What is missing from the 2017 Freight Plan Vision?
What is missing from the 2017 Freight Plan Vision?

2017 Freight Vision:
Freight travels freely and safely through an interconnected network contributing to economic viability and growth for
What is missing from the 2017 Freight Plan vision?

- Infrastructure investment
- Incorporation of technology
- Maryland citizens/people
- Understanding of the cost of movement of goods, impacts of tolling, congestion, infrastructure requirements
- Freight isn’t just about business – it’s about people. Everyone relies on freight...
### 2040 MTP GOALS

<table>
<thead>
<tr>
<th>Goal</th>
<th>2017 Strategic Goods Movement Plan Goals</th>
</tr>
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<tbody>
<tr>
<td>Ensure a Safe, Secure, and Resilient</td>
<td>Improve the safety and security of goods movers, the public at large, transportation assets, and cargo</td>
</tr>
<tr>
<td>Facilitate Economic Opportunity</td>
<td>Maintain and improve Maryland’s economic competitiveness</td>
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<tr>
<td>Maintain a High Standard &amp; Modernize</td>
<td>Maintain and improve the performance of Maryland’s multimodal freight system</td>
</tr>
<tr>
<td>Improve Quality and Efficiency</td>
<td>Maintain and enhance the service experience for users of Maryland’s multimodal freight system</td>
</tr>
<tr>
<td>Ensure Environmental Protection &amp; Sensitivity</td>
<td>Support economic stewardship</td>
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<tr>
<td>Promote Fiscal Responsibility</td>
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<tr>
<td>Provide Better Choices &amp; Connections</td>
<td>Support the vitality of Maryland’s communities</td>
</tr>
</tbody>
</table>

**POLLING:**

What would you change or add to the goals?
What would you change or add to the goals?
Freight Word Cloud - SFAC Meeting Poll Results
What would you change or add to the goals?

• Last 50 feet deliveries/last mile delivery especially for consumers/local deliveries
• Innovation/encouraging the use of AV solutions
• What is being done to prepare for the next generation of alternative fueling options
• People need to be at the heart of everything.... Land use, sustainability, curb use, etc.
• Urban freight issues
• Benchmarking performance with other ports and regions/competitive rankings with other states/data driven
• Climate change/carbon neutrality/emission reduction strategies/emissions
• Environmental justice
• Incentive programs to attract industry/manufacturing
• Personal delivery devices and drone deliveries
• EV infrastructure
• Freight and land use tie in
• Include warehouse and distribution centers as the freight movement plan
• Additional capacity
• Grant funding for freight projects
• Truck parking
What are your freight priorities?
Freight Word Cloud - SFAC Meeting Poll Results

What are your freight priorities?

- Modernizing freight network
- Emissions reduction/noise
- Multimodal transportation/regional coordination/interconnectivity/balance/integration/global connectivity
- Ensuring the Port of Baltimore has the ability to provide supply chain solutions (with e-commerce)
- CAV/automation/permit automation
- Get rid of Broening Highway Toll
- Truck Parking
- Safety
- Decrease roadway congestion/access to routes for efficient deliveries/reduce congestion/travel time reliability
- Training/education
- Economics/supporting essential service/P3 strategies
- Efficiency/more efficiency in local delivery/last mile delivery
- Finding qualified drivers
- Making goods affordable, accessible and available to consumers (reduce time, cost, complexity of freight)
Questions?

For more information visit the project website:

Email:
MDStateFreightPlan@mdot.maryland.gov

Thank You!
Resources


Analyzing Freight Challenges in MD - https://www.nap.edu/read/22336/chapter/19


AADT, AAWDT & Truck Percentages + Vehicle Classification by Functional Class


Freight Analysis Framework - https://www.bts.gov/faf

Maryland’s Freight Story - https://maryland.maps.arcgis.com/apps/MapJournal/index.html?appid=4426d366a4a14db4a0d0c14886df646c or https://data.maryland.opendata.arcgis.com/pages/transportation

Maryland highway freight network - https://data.imap.maryland.gov/datasets/maryland-freight-network

Other resources:


