MARYLAND DEPARTMENT OF TRANSPORTATION

Maryland State Freight Plan

Maryland Freight Plan Update

Baltimore Metropolitan Council
Freight Task Force Meeting
Gladys Hurwitz, MDOT TSO
March 25, 2021

Topics for Discussion

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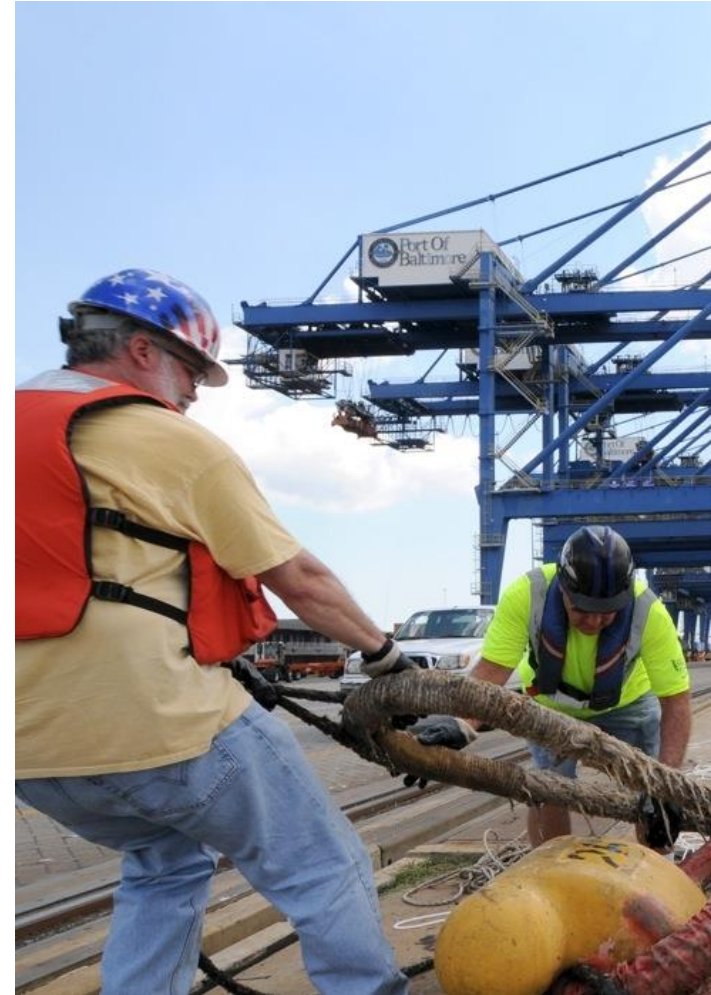- Milestone Meetings
- Peer Assessment

Freight Plan Outreach
- Stakeholder Groups
- State Freight Advisory Committee

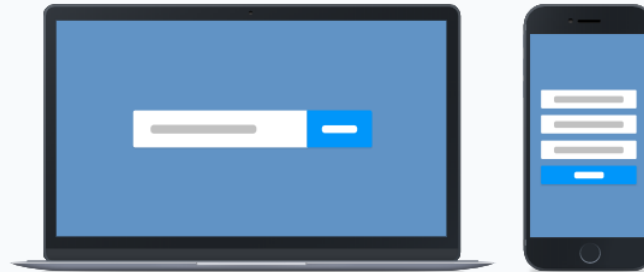## Input on Vision, Goals and Priorities
- Polling

Questions

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StateFreight Plan

Polling – Poll Everywhere

Join by Web

1. Go to **PollEv.com**

2. Enter **MDOT253**

3. Respond to activity

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State**Freight** Plan

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).

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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

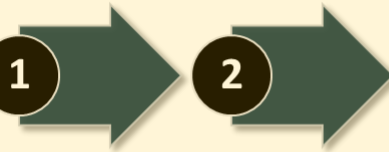** Pending any changes due to Reauthorization*

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Freight Plan Tasks

Freight Plan Outline and Related Tasks

Sections 1-2 (Milestone 1)
Strategic Guidance

Introduction

- *Purpose and Vision*
- *Recent Actions and Highlights*
- *Stakeholders and Partnerships*

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

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*

Freight Network and Infrastructure

- *Roadway Infrastructure ***
- *Railroad Infrastructure*
- *Port and Waterway Infrastructure*
- *Air Cargo Infrastructure*
- *Energy Infrastructure*

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*

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

Freight Investment Plan

- *Financial Plan*
- *Investment Plan Priorities*
- *Unfunded Needs ***

Freight Focus Areas and Strategies

- *Freight Congestion and Mitigation ***
- *Innovation and Technology Opportunities ***
- *Freight and Asset Management ***
- *Truck Parking ***
- *Other Areas*

Implementation

- *Planning and Programming*
- *Data and Analysis*
- *Communication and Partnerships*
- *Next Steps*

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

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Schedule/Milestones

Peer Assessment

Peer Assessment / Best Practices

Peer Review Sources

Policy / Industry Perspectives	Statewide Perspectives	Regional Perspectives
FAST Act Requirements	Delaware	DVRPC
ATRI Best Practices *	Virginia	NYMTC
ATRI Critical Issues	West Virginia	OKI
APA Policy Outcomes	Pennsylvania	SPC
	Florida	
	Minnesota	
	Washington	

Included insights from TX, GA, CA, MS, IA, FL, WA, MI, OH, NV, MD, AL

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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	

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Freight Plan Stakeholder Outreach

Stakeholder Outreach

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

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Members of State Freight Advisory Committee

Aberdeen Proving Ground
Amazon
Aviation Facilities Company Management, LLC
Baltimore City
Baltimore Development Corporation
Baltimore Industrial Group
BMC
Belt's Transportation Services
Calvert-St. Mary's MPO
CAMPO
Canton Railroad Company
Community College of Baltimore
Consumer Brands Association
Cowan Systems, LLC
CSX
Delaware DOT
D.M. Bowman, Inc
FedEx
FHWA
FMCSA

HEPMPO
Maryland and Delaware Railroad
Maryland DOC, DOE, DOL, DOP, DOT
Maryland Motor Truck Association
Norfolk Southern
Pennsylvania DOT
Perdue Agri Business
Ports America Chesapeake
Salisbury/Wicomico
Specialized Carrier and Rigging Association
SYSCO Eastern Maryland
The Terminal Corporation
Tradepoint Atlantic
UPS
Virginia DOT
Wallenius Wilhelmsen Line
Weller Development
WILMAPCO
W.R. Grace Inc.
MWCOG
WVDOT

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Role of State Freight Advisory Committee (SFAC)

Advise

Serve

Communicate

Promote

Participate

Provide

Review

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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.**

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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

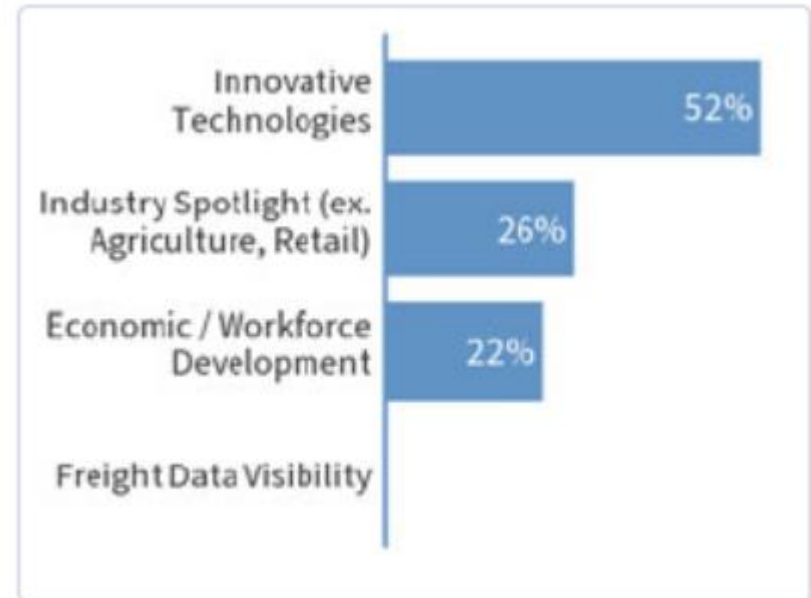- Updates from the Committee

- Housekeeping & Administration

Next meeting: Wednesday September 2, 2021 at 2:00 PM

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SFAC Meeting #1 (3/3/21): Poll Results

State Freight Advisory Committee
Importance of Freight

State Freight Advisory Committee
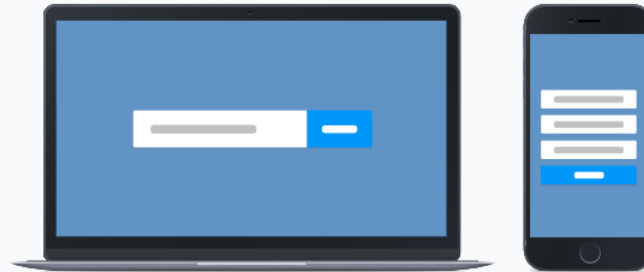**Areas of Focus for Future Meetings**

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Polling – Poll Everywhere

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What is the most important thing about freight to you?

Freight Word Cloud- SFAC Meeting Poll Results

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

MARYLAND DEPARTMENT OF TRANSPORTATION

StateFreight Plan

Vision

MTP GOALS

- Ensure a Safe, Secure, and Resilient Transportation System
- Facilitate Economic Opportunity and Reduce Congestion in Maryland Through Strategic System Expansion
- Maintain a High Standard and Modernize Maryland's Multimodal Transportation System
- Improve the Quality and Efficiency of the Transportation System to Enhance the Customer Experience
- Ensure Environmental Protection and Sensitivity
- Promote Fiscal Responsibility
- Provide Better Transportation Choices and Connections

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?

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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

Freight Word Cloud- SFAC Meeting Poll Results
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…

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Goals

2040 MTP GOALS	2017 Strategic Goods Movement Plan Goals
Ensure a Safe, Secure, and Resilient	*Improve the safety and security of goods movers, the public at large, transportation assets, and cargo*
Facilitate Economic Opportunity	*Maintain and improve Maryland's economic competitiveness*
Maintain a High Standard & Modernize	*Maintain and improve the performance of Maryland's multimodal freight system*
Improve Quality and Efficiency	*Maintain and enhance the service experience for users of Maryland's multimodal freight system*
Ensure Environmental Protection & Sensitivity	*Support economic stewardship*
Promote Fiscal Responsibility	
Provide Better Choices & Connections	*Support the vitality of Maryland's communities*

POLLING:

What would you change or add to the goals?

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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**

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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)

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Questions?

For more information visit the project website:
https://www.mdot.maryland.gov/tso/pages/Index.aspx?PageId=166

Email:
MDStateFreightPlan@mdot.maryland.gov

Thank You!

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Resources

MDOT SHA 2019 Mobility Report - https://www.roads.maryland.gov/OPPEN/2019_mobility_report.pdf

Freight Transp. In MD - https://www.bts.gov/sites/bts.dot.gov/files/legacy/publications/freight_transportation_by_state/maryland/entire.pdf

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

SHRP2 C2O – Freight Modeling in MD - https://www.baltometro.org/sites/default/files/bmc_documents/committee/presentations/fmtf/FMTF180329pres_SHRP2-Freight-Modeling-System.pdf

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

Commodity Flow Survey (2017) - https://www.bts.gov/cfs

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:

2009 Freight plan - http://www.mdot.maryland.gov/newMDOT/Freight/Documents/Freight_Plan_Final.pdf

2015 Freight plan – http://www.mdot.maryland.gov/newMDOT/Freight/Documents/Strategic%20Goods%20Movement%20Plan.pdf

2017 Freight plan (FAST act compliant – being updated now) - https://www.mdot.maryland.gov/newMDOT/Freight/Documents/2018/Strategic_Goods_Movement_Plan_2017.pdf

2015 Maryland Rail Plan - http://www.mdot.maryland.gov/newMDOT/Freight/Documents/2018/State_Rail_Plan_2015.pdf

Rail Plan update – 2020 - http://www.mdot.maryland.gov/newMDOT/Freight/Rail_Plan.html

2013 Freight Performance Report - http://www.mdot.maryland.gov/newMDOT/Freight/Documents/2013%20Maryland%20Freight%20System%20Annual%20Report.pdf

2015 Freight Performance Report - http://www.mdot.maryland.gov/newMDOT/Freight/Documents/2015%20Freight%20System%20Performance%20Annual%20Report.pdf