

UPDATE ON DRAFT FREIGHT PLAN AND DRAFT FREIGHT POLICY LANGUAGE

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Freight Subcommittee
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Presentation Items

- Draft Freight Policy Language Update
- Draft Freight Plan Update



Draft Freight Policy Language

- Presented as informational item to the TPB in March
- Outreach to Access for All Committee and Freight Subcommittee in March
- Three comments received (see memo handout)
 - VRE: for policy #4, replace “expand transportation options with “increase capacity”
 - Access for All Committee: add policy to emphasize need for safe pedestrian crossing, well-maintained tracks, lights and/or gates at all crossings...
 - Access for All Committee: for policy #5, rephrase to emphasize the positive impacts of freight be broadly distributed for the benefit of minority and low-income populations



Draft Freight Policy Language

- Actions taken based on comments received (see memo handout)
 - Added a new policy: *“The TPB supports the use of best practices for safety, engineering, and maintenance of freight related transportation infrastructure.”*
 - Added a clause to (existing) policy #5: *“The TPB supports the consideration of potential social, economic, and environmental effects of freight-related programs, policies, and activities on minority populations, low-income populations, and people with disabilities.”*



Draft Freight Plan - Background

- Preliminary draft presented last July
- The TPB expressed interest in providing freight policy guidance at an early stage of plan development
 - Led to a collaborative effort with Board members to develop policy language – now largely complete
- New “complete” draft of the National Capital Region Freight Plan today



Draft Freight Plan – Changes since July

Executive Summary		<ul style="list-style-type: none"> • Under development
Section 1.0: Introduction	<p>Section 1.1: About this Plan</p> <p>Section 1.2: Freight Planning in the National Capital Region</p>	<ul style="list-style-type: none"> • Section updated to reflect passage of FAST Act
Section 2.0: The Multimodal Freight System	<p>Section 2.1: Freight System Overview</p> <p>Section 2.2: Trucking and the Region's Roads</p> <p>Section 2.3: Railroads</p> <p>Section 2.4: Air Cargo</p> <p>Section 2.5: Intermodal Connectors</p>	<ul style="list-style-type: none"> • Text added on Truck Types • Text and map added on Truck Parking • Text added on Truck Safety • Text added on Rail Car Types • Text added on Rail System • Map added on Rail Intermodal Terminals • Text added on Warehousing & Distribution • Subsection added on Air Cargo • Subsection added on Intermodal Connectors
Section 3.0: Freight Demand	<p>Section 3.1: Freight Analysis Framework</p> <p>Section 3.2: National Capital Region Commodities</p> <p>Section 3.3: The National Capital Region's Freight Transportation Modes</p> <p>Section 3.4: The National Capital Region's Freight Origins & Destinations</p> <p>Section 3.5: Freight Transportation Forecasts</p>	
Section 4.0: Freight Trends and Issues	<p>Section 4.1: Trends Impacting Freight in the Region</p> <p>Section 4.2: Regional Freight Issues, Challenges, and Opportunities</p>	<ul style="list-style-type: none"> • Text added on Freight in Regional Activity Centers
Section 5.0: Regional Freight Policies	<p>Section 5.1: Freight Policy Background</p> <p>Section 5.2: TPB Freight Policies</p>	<ul style="list-style-type: none"> • Entire Section added
Section 6.0: National Capital Region Projects Important to Freight		<ul style="list-style-type: none"> • Entire Section added
Section 7.0: Recommendations and Next Steps	<p>Section 7.1: Actions Related to Maintaining and Strengthening the Regional Freight Planning Process</p> <p>Section 7.2: Strategic Regional Freight Planning Activities</p>	
Appendices	Technical information and analysis that supports the main document	

Draft Freight Plan - Overview

- Builds on initial 2010 National Capital Region Freight Plan
- Supportive of MAP-21/FAST requirements
- Intended as both a technical reference and a guide to future TPB freight planning activities
- Describes the role of freight in the Region's economy
- Provides an overview of the multimodal freight transportation system
- Describes the drivers of freight demand and resulting freight flows
- Identifies significant freight issues
- Provides recommendations for future freight planning action

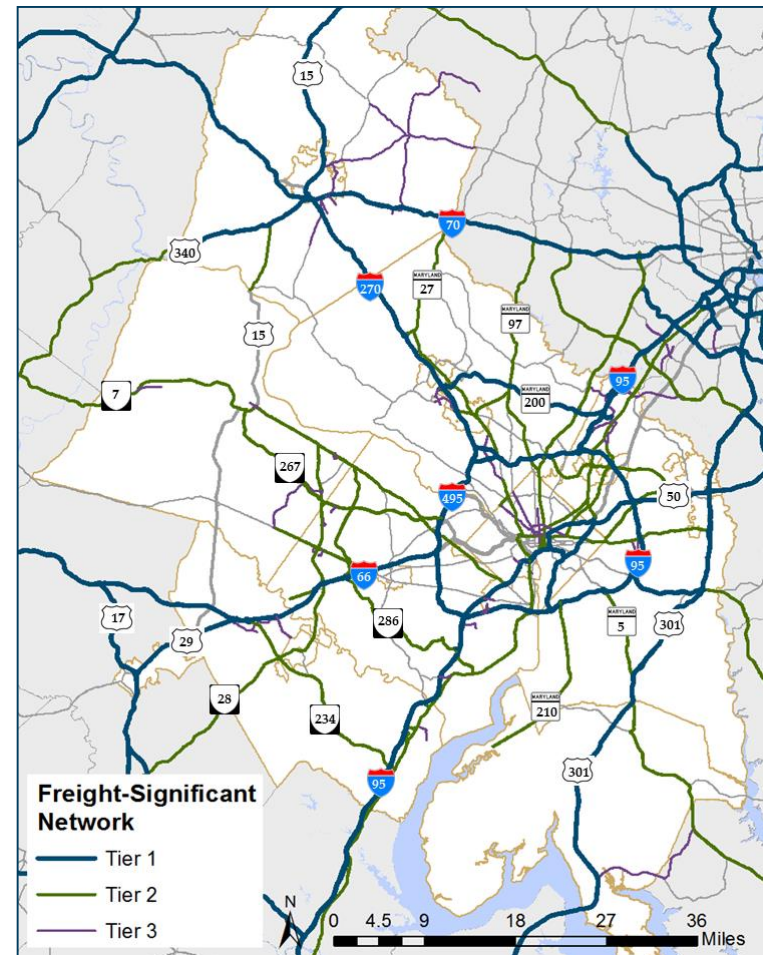


Draft Freight Plan – Regional Freight-Significant Network

Tier 1: state-designated truck routes, interstates, and other high volume roadways

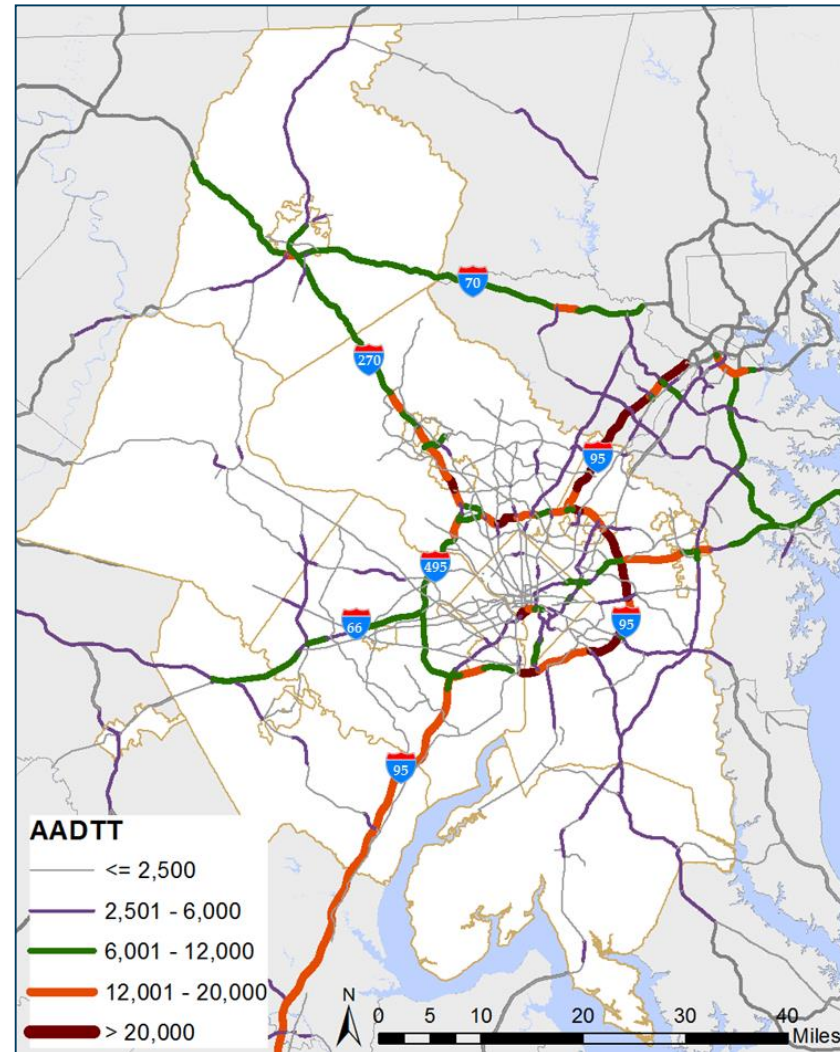
Tier 2: allows trucks to permeate the Region and provide access to important freight generators and attractors

Tier 3: last mile connectivity



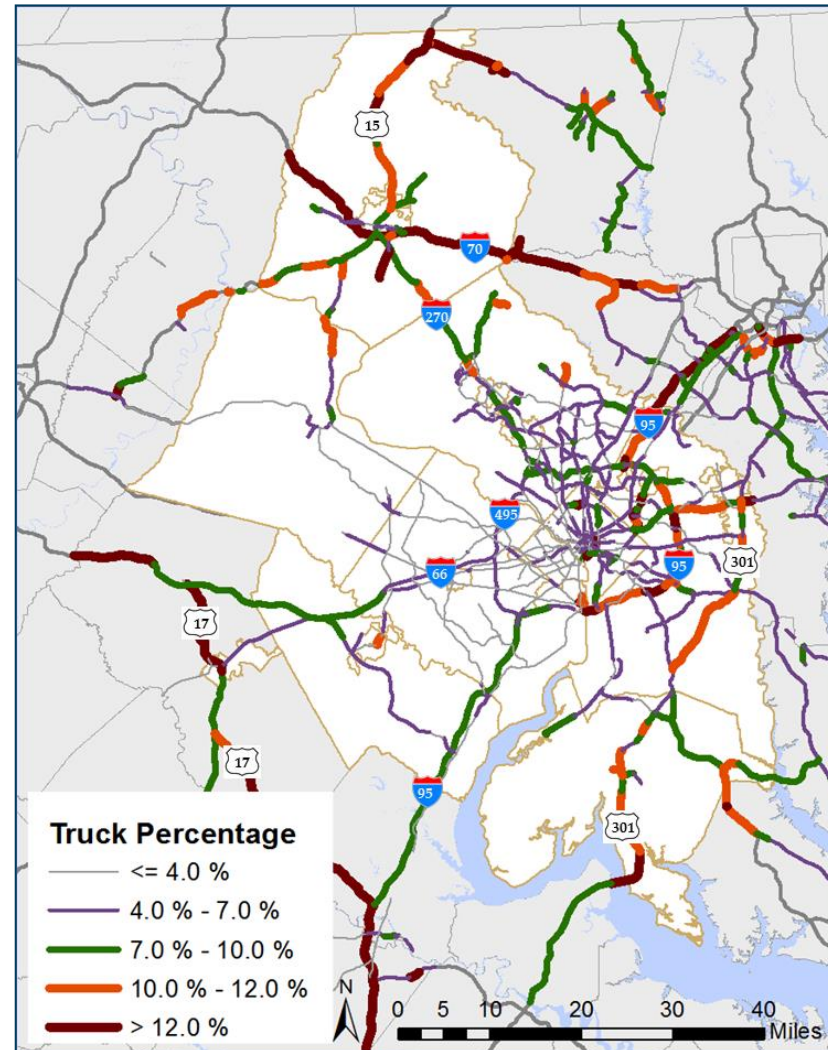
Draft Freight Plan – Truck Volumes

Truck Volumes, 2013



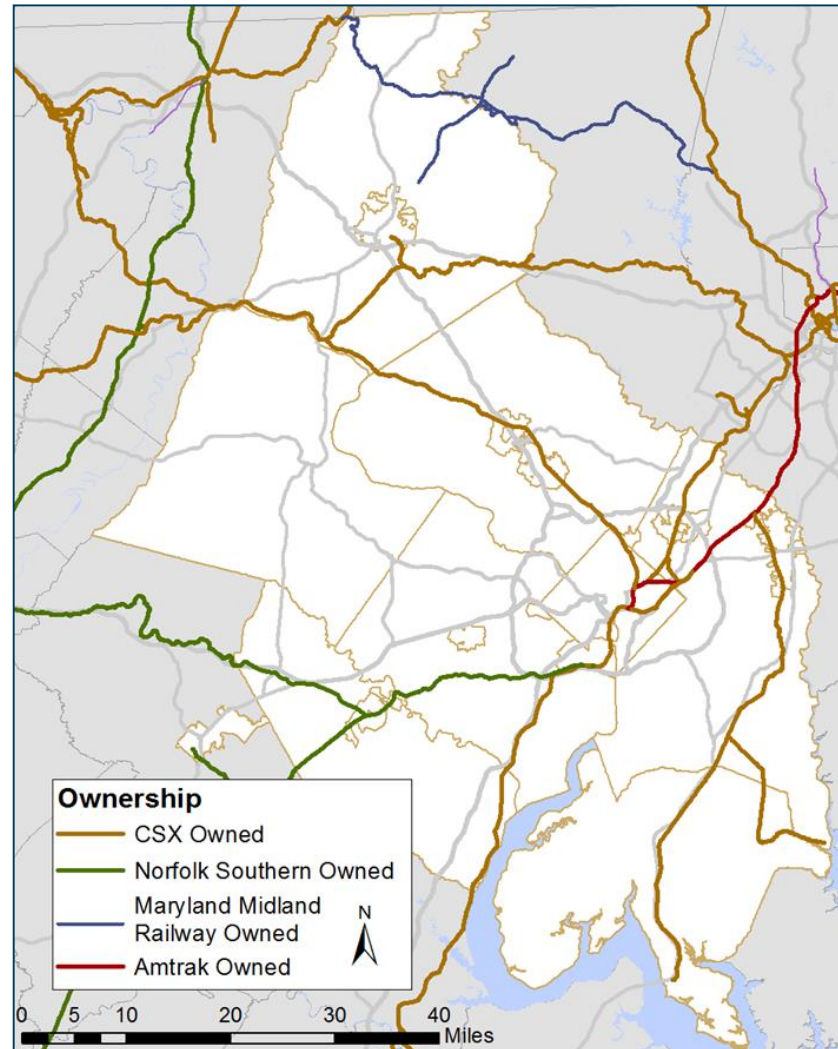
Draft Freight Plan – Truck Volumes

Truck Percentages, 2013



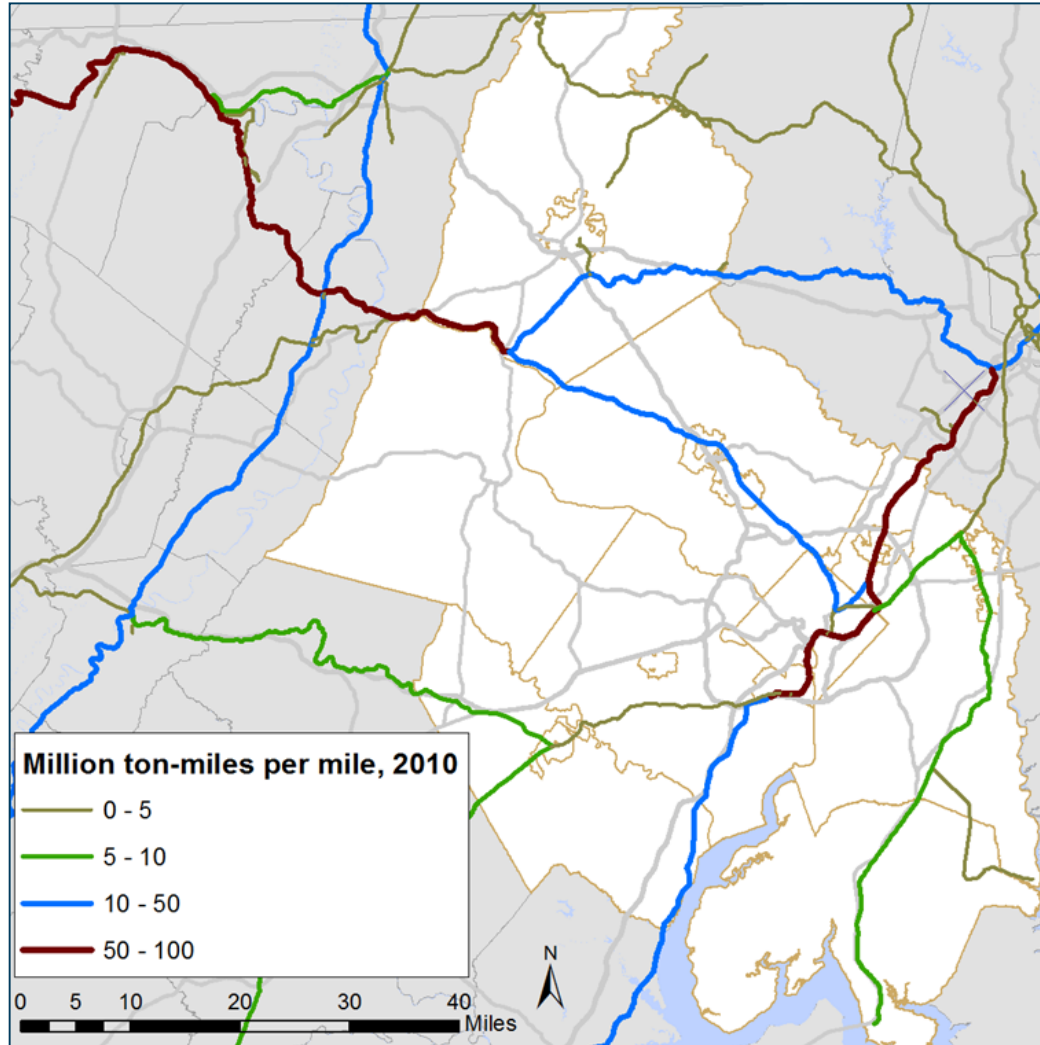
Draft Freight Plan – Rail Ownership

Rail Ownership



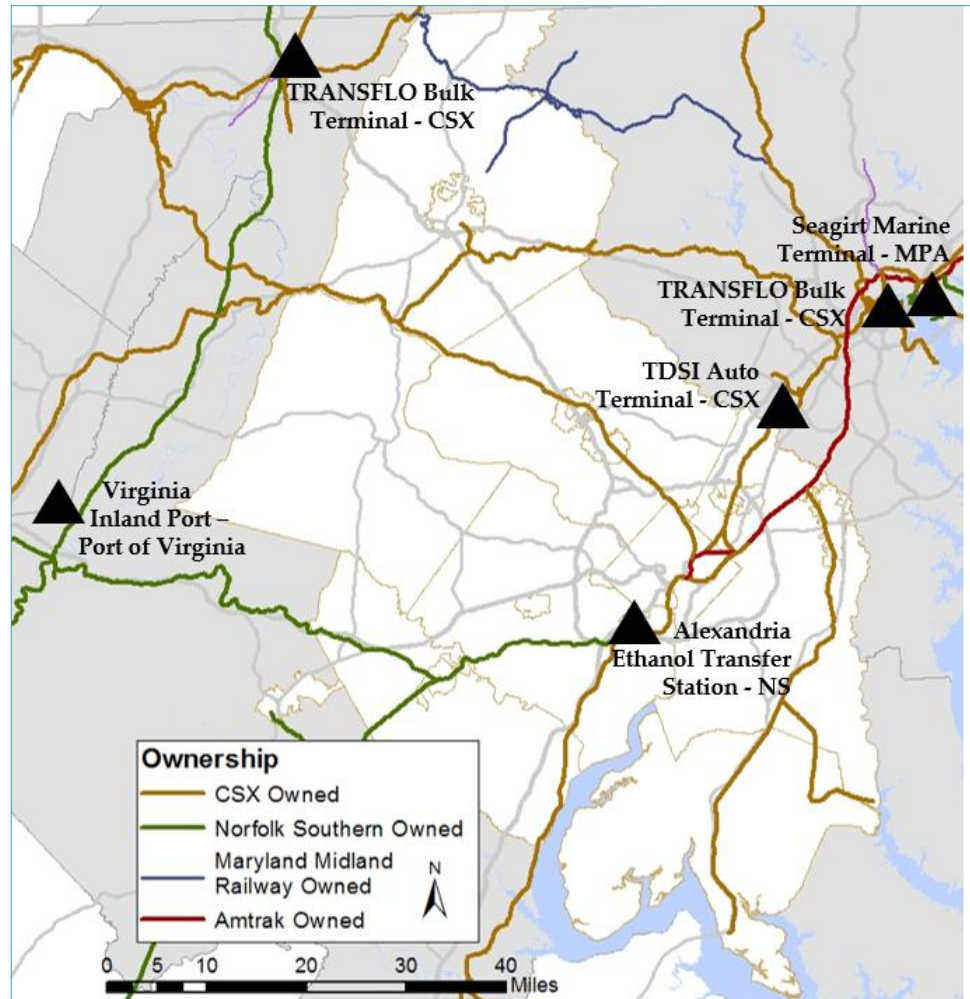
Draft Freight Plan – Rail Density

Rail Density



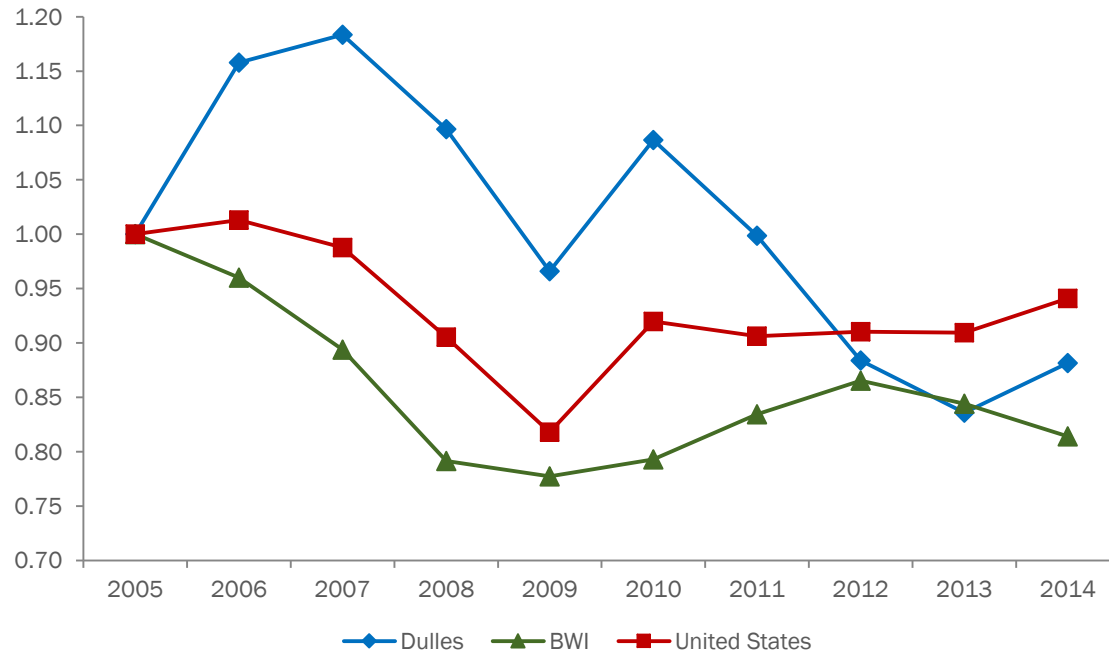
Draft Freight Plan – Rail Intermodal

Rail Intermodal Facilities



Draft Freight Plan – Air Cargo

Normalized Air Cargo Volume Trends



Draft Freight Plan – Freight Demand (FAF Analysis)

Commodities	<ul style="list-style-type: none">▪ Standard Classification of Transported Goods (SCTG) – 2 digit
Weight / Value	<ul style="list-style-type: none">▪ Weight is an indicator of the demand that freight places on transportation infrastructure▪ Value is an indicator of the economic activity associated with freight
Direction	<ul style="list-style-type: none">▪ Inbound▪ Outbound▪ Intraregional▪ Through
Mode	<ul style="list-style-type: none">▪ Truck▪ Rail▪ Multiple Modes▪ Water▪ Air▪ Pipeline



Draft Freight Plan – Trends and Issues

Population Growth	<ul style="list-style-type: none">▪ A growing population generates additional demand for goods of all kinds
GDP and Employment	<ul style="list-style-type: none">▪ Direct relationship between GDP growth and freight transportation demand▪ BTS Freight Transportation Intensity Index
Evolution of the Supply Chain	<ul style="list-style-type: none">▪ From a “push” to “pull” supply chain paradigm▪ New technology + demanding customer expectations▪ Evolving distribution center design and locations▪ The changing last mile
Transportation Industry Trends	<ul style="list-style-type: none">▪ Trucking – consolidations, technology, driver shortages, and profits▪ Rail – increasing productivity, growth of intermodal, and new crude oil markets▪ Ports and Shipping – Panama Canal, west coast labor issues, nearshoring



Draft Freight Plan – Regional Freight Policies

The Transportation Planning Board...

1. supports the prioritized advancement of freight-related transportation projects that provide maximum value, efficiency, and safety with particular emphasis on those that improve freight access to activity centers.
2. supports investments that maintain a state of good repair for the Region's freight transportation system.
3. supports the use of best practices for safety, engineering, and maintenance, of freight-related transportation infrastructure.
4. supports the alleviation of roadway bottlenecks where feasible to improve travel times and reliability for trucks and passenger vehicles.
5. supports maximizing opportunities to expand transportation options, address roadway congestion, and reduce pollution by increasing the use of passenger and freight rail.



Draft Freight Plan – Regional Freight Policies

The Transportation Planning Board...

6. supports the consideration of potential social, economic, and environmental effects of freight-related programs, policies, and activities on minority populations, low-income populations, and people with disabilities.
7. recognizes freight's role in economic development and supports efforts to maximize the use of important economic drivers, including airports, ports, and intermodal facilities serving the Region's residents and businesses.
8. supports the safe and community-friendly accommodation of freight deliveries within the Region's activity centers.
9. supports improvements in truck safety using education, enforcement, and engineering strategies.



Draft Freight Plan – Regional Freight Policies

The Transportation Planning Board...

10. supports efforts to route hazardous materials away from the National Capital Region; for hazardous materials that must be transported to, from, within, and through the Region, the TPB supports the selection of the safest and most secure modes and routes.

11. encourages information sharing on explosive, toxic by inhalation, and radioactive materials being shipped to, from, within, and through the Region, including real-time notifications and long-term planning information.

12. supports robust first responder training and exercise activities regarding freight in general and hazardous materials transport in particular.

13. supports collaboration among agencies and with the private sector on freight planning and operations concerns to support mutual goals.



Draft Freight Plan – Regional Freight Policies

The Transportation Planning Board...

14. supports the proactive analysis of freight-related performance measures in the context of overall regional performance measurement to identify lessons learned and promote regional goals.
15. promotes sustainable methods of freight operations that are sensitive to environmental, cultural, and community resources.
16. encourages collaboration among transportation planners, land use planners, private railroads, elected officials, and other stakeholders to find creative ways to facilitate community-beneficial land use development (residential, commercial, or industrial as appropriate) while providing space for necessary future rail expansion along key rail corridors.
17. supports the review and study of new freight-related technologies, emerging business practices, and evolving commodity mixes and mode shares to advance regional goals.



Draft Freight Plan – Projects Important to Freight

See Handout...

- Rail Projects
 - Sources: MARC Growth and Investment Plan Update, information from Norfolk Southern Corporation and CSX Transportation, Inc, Virginia Railway Express, the Long Bridge Phase II Study, and the Virginia Department of Rail and Public Transportation led DC2RVA study
 - Request feedback on this list and recommendations for additional projects
- Highway Projects
 - Sourced from the CLRP – projects on the Freight-Significant Network



Draft Freight Plan – Recommendations and Next Steps

- **Actions Related to Maintaining and Strengthening the Regional Freight Planning Process**
 - Continue to Support the TPB Freight Subcommittee
 - Maintain and Strengthen Private-Sector Participation in the TPB Freight Subcommittee
 - Create Opportunities to Hold Joint Meetings with Other TPB Subcommittees
 - Develop “Freight Around the Region” Brochures in Coordination with Member Jurisdictions
 - Organize Periodic Regional Freight Forums
 - Collect and Analyze Freight Data and Make Available to Member Jurisdictions and the Public
 - Continue Coordination with Federal, State, Local, and Private-Sector Freight Partners



Draft Freight Plan – Recommendations and Next Steps

- **Actions Related to Maintaining and Strengthening the Regional Freight Planning Process (continued)**
 - Coordinate TPB’s MAP-21/FAST Freight-Related Activities – Including Performance Measures
 - Identify and Communicate Freight-Related Infrastructure Issues to Member Agencies to Address in their Planning and Programming Activities
 - Strengthen Relationships with Local Jurisdiction Planners
 - Highlight Economic Development Aspects of Freight with Local Jurisdiction Planners



Draft Freight Plan – Recommendations and Next Steps

- **Strategic Regional Freight Planning Activities**
 - Raise Freight Profile within Local and Regional Planning Processes
 - Develop and Communicate Helpful Information about Accommodating Freight within Regional Activity Centers
 - Continue Participation in FHWA Effort to Develop Innovative Strategies for Improving Freight Movement in Urban Areas
 - Monitor Developments of Autonomous and Connected Freight Vehicles



Draft Freight Plan – Recommendations and Next Steps

- **Strategic Regional Freight Planning Activities (continued)**
 - Monitor Key Economic and Industry Trends Impacting Goods Movement
 - (NEW) Monitor the Development of New and Emerging Freight-Relevant Data Sources and Incorporate them into Transportation Planning Activities as Appropriate
 - (NEW) Provide Information to the TPB and Freight Stakeholders on the Status or Progress on this Plan’s Identified Freight Policies When Such Information Becomes Available



Next Steps

- Present this draft to the Technical Committee tomorrow
- Request comments by the Freight Subcommittee and the Technical Committee by Friday, May 20
- Address comments and provide updated Draft Freight Plan to Freight Subcommittee participants and include in June Technical Committee Mailout (updated draft by Wednesday, May 25)
- Present Draft Freight Plan to the TPB as an informational item at their June 15 meeting
- Present to TPB for action for approval at the July (or a later) meeting.



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