

**DRAFT**

**Elements to Consider for  
Inclusion in the Review of  
Strategic Freight Issues**

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**Information On the Following Slides is From:**

- **Previous TPB Publications**
- **Federal and National Sources**
- **Draft Freight Plan**

# **DRAFT** Elements to Consider for Inclusion in the Review of Strategic Freight Issues

## **TPB Vision**

**In the 21st Century, the Washington metropolitan region remains a vibrant world capital, with a transportation system that provides efficient movement of people and goods. This system promotes the region's economy and environmental quality, and operates in an attractive and safe setting - it is a system that serves everyone. The system is fiscally sustainable, promotes areas of concentrated growth, manages both demand and capacity, employs the best technology, and joins rail, roadway, bus, air, water, pedestrian and bicycle facilities into a fully interconnected network.**

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## **Freight Background (from the draft Regional Freight Plan)**

- **The multimodal transportation system is vital to the economy of the Region and to the quality of life of its residents**
- **Each year hundreds of millions of tons of freight valued in the billions of dollars move over the Region's roadways and railways and pass through its airports**
- **Growing employment, population, and wealth will continue to drive demand for freight**
- **Economic growth along the eastern seaboard, throughout the nation, and across the world will result in greater quantities of goods moving into, out of, and through the Region**

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### **Important Factors Impacting Freight Flows**

<b>Economic Drivers</b>	<b>Supply Chain Practices</b>	<b>Public Sector Actions</b>
Population growth and wealth	Containerization	Infrastructure
Gross Domestic Product growth	Multimodalism	Safety
Changing customer demands	Technology	Incentives
Global Geopolitics	Near Shoring	Land use policies
Urbanization	Fulfillment vs. Distribution Centers	Permitting
Panama and Suez Canal widenings	Shifting mode choices and routings	Building codes
Technological advances	Autonomous Vehicles / Drones	Policies / Regulations

# **DRAFT** Elements to Consider for Inclusion in the Review of Strategic Freight Issues Leads to Various Freight-Related Issues and Concerns

<b>Shared use</b>	Roadways	Rail	Accommodating freight in dense urban areas	Congestion	
<b>Safety</b>	Truck crashes	Train derailments	Hazardous materials		
<b>Environment</b>	Engine emissions	Noise	Runoff		
<b>Land Use</b>	Truck parking	Industrial preservation	Location of freight intensive land uses	Environmental justice	Site selection
<b>Economic Development</b>	Freight villages	Dulles airport	Economic development through freight employment		

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### **Leads to Various Freight-Related Issues and Concerns**

Shared Use	Safety	Environment	Land Use	Economic Development
Roadways	Truck crashes	Engine emissions	Truck Parking	Freight Villages
Rail	Train Derailments	Noise	Industrial preservation	Dulles Airport
Accommodating freight in dense urban areas	Hazardous materials	Runoff	Location of freight intensive land uses	Economic Development Through Freight Employment
Congestion			Environmental justice	
			Site selection	

# DRAFT Elements to Consider for Inclusion in the Review of Strategic Freight Issues Federal Environment

MAP-21	NFAC	Senate Bill
Focus on freight performance	Advising USDOT on National Freight Plan – 81 recommendations in the areas of:	National <i>multimodal</i> freight policy
Establishment of National Freight Policy	Funding	National <i>multimodal</i> freight network
National freight network ( <i>highway focused</i> )	Streamlining	National Freight Strategic Plan
Encourage state and regional freight plans	Data, research, and education	Freight investment grant program
Jason’s Law	Planning	Strengthen real time information about rail shipments to first responders
Develop and improve freight data	Capacity enhancements	New funding for grade separation projects



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## **MAP-21 National Freight Policy**

It is the policy of the United States to improve the condition and performance of the national freight network to ensure that the national freight network provides the foundation for the United States to compete in the global economy and achieve each goal described below.

- 1) to invest in infrastructure improvements and to implement operational improvements that--(A) strengthen the contribution of the national freight network to the economic competitiveness of the United States; (B) reduce congestion; and (C) increase productivity, particularly for domestic industries and businesses that create high-value jobs;
- 2) to improve the safety, security, and resilience of freight transportation;
- 3) to improve the state of good repair of the national freight network;
- 4) to use advanced technology to improve the safety and efficiency of the national freight network;
- 5) to incorporate concepts of performance, innovation, competition, and accountability into the operation and maintenance of the national freight network;
- 6) to improve the economic efficiency of the national freight network.
- 7) to reduce the environmental impacts of freight movement on the national freight network;

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## FOLLOW THAT... COFFEE

*An intermodal adventure with a delicious ending!*



### PART I

*Compliments of:*

**CAGTC**

Coalition for America's Gateways & Trade Corridors  
[www.tradecorridors.org](http://www.tradecorridors.org)

Departure Point:  
SANTOS PORT IN SAO PAULO, BRAZIL

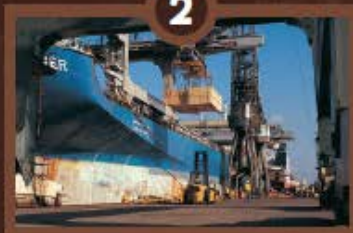


1

Containers of coffee beans are loaded onto SHIPS for United States delivery.



2



U.S. Port Facility

3



The coffee beans are picked up by TRUCK.

4



Then transferred to RAIL.

5



U.S. Distribution Center

Final Destination:  
STARBUCKS® CAFE - WASHINGTON, DC



6

The beans are again picked up by TRUCK and brought to local cafes, coffee houses and supermarkets, like those on Capitol Hill.

**Intermodal freight infrastructure and goods movement must be adequately funded through the transportation reauthorization bill!**

*Don't Forget Freight!*



Have a cup of coffee and remember the essential and multi-modal freight transportation system that brought it!

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## **Trends (from draft Regional Freight Plan)**

### **Key Trends Impacting Freight**

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