

Multimodal National Freight Policy

Freight Corridors

presented to

**TRB Executive Committee
Policy Session**

presented by

**Lance R. Grenzeback
Cambridge Systematics, Inc.**

January 26, 2011

Presentation

- **Framework**
- **Corridors**
- **Policy Issues**

Elements of the Freight Transportation System

Economic Structure
Type of Businesses, Number of Households

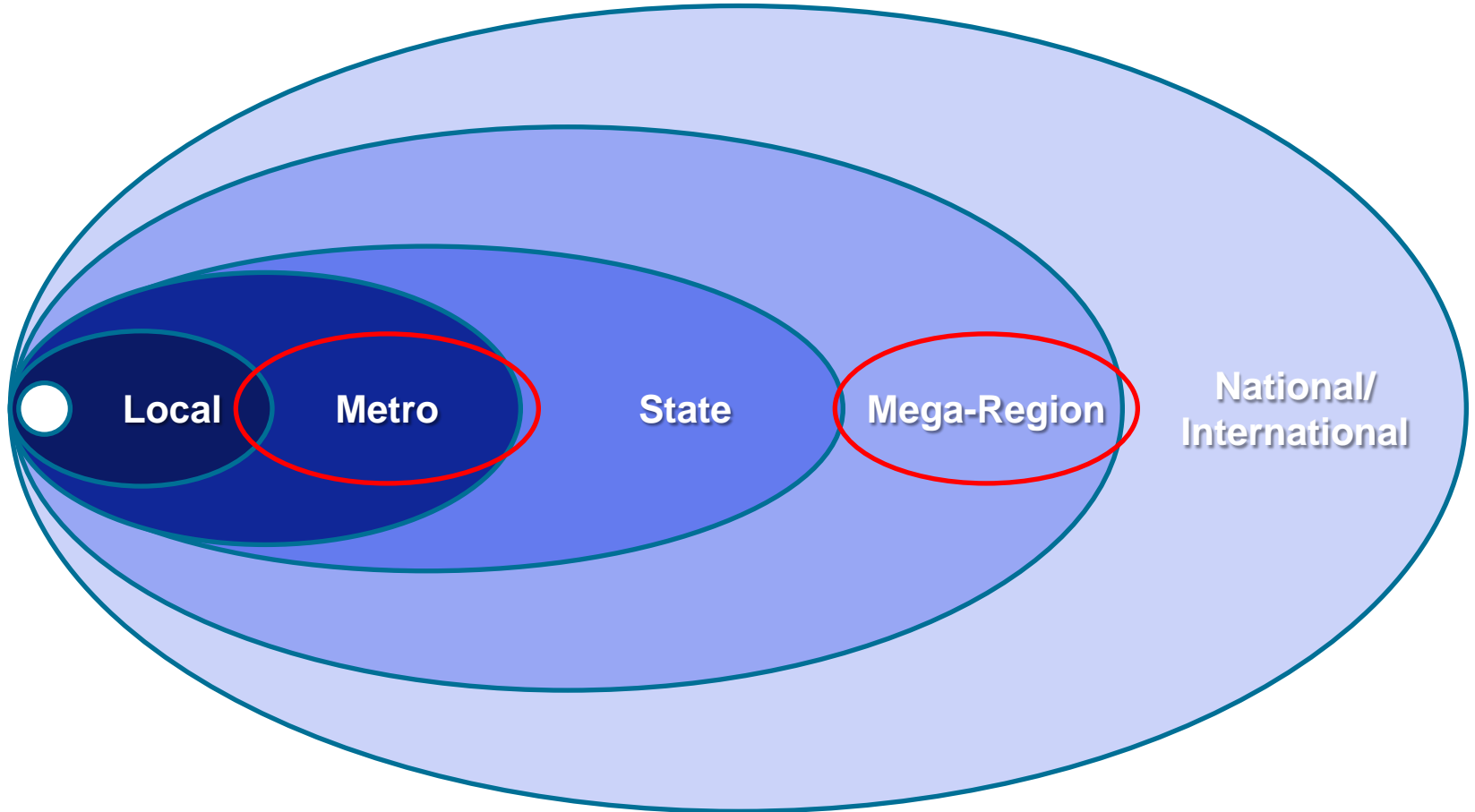
Industry Logistics Patterns
Supply Chains, Distribution Networks

Freight Infrastructure
Highways, Rail Lines, Ports, Airports...

Commodity/Vehicle Traffic Flows
Trucks, Planes, Rail Cars, Ships...

Organization and Public Policy
Ownership, Regulation, Pricing...

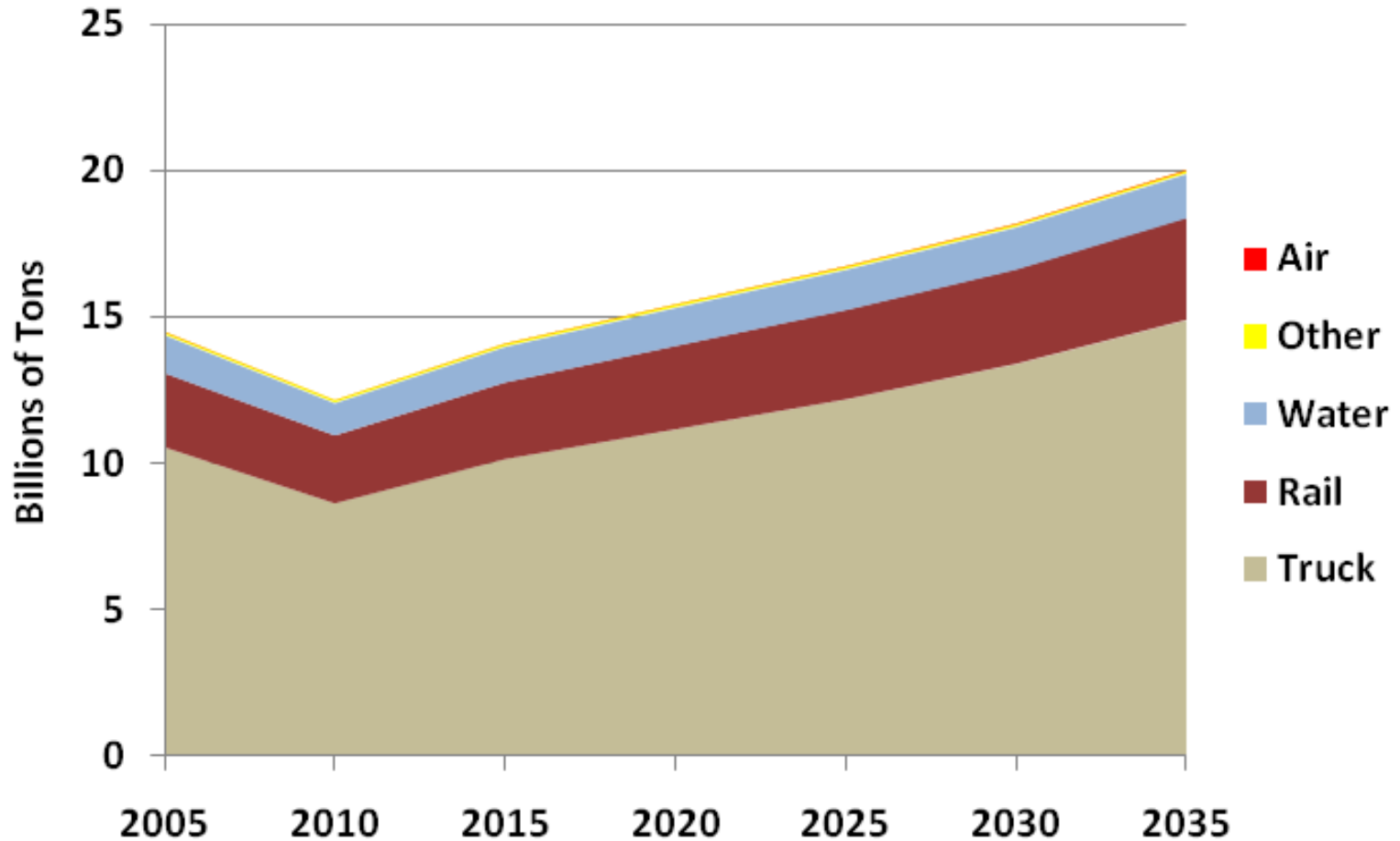
Freight Corridors



Presentation

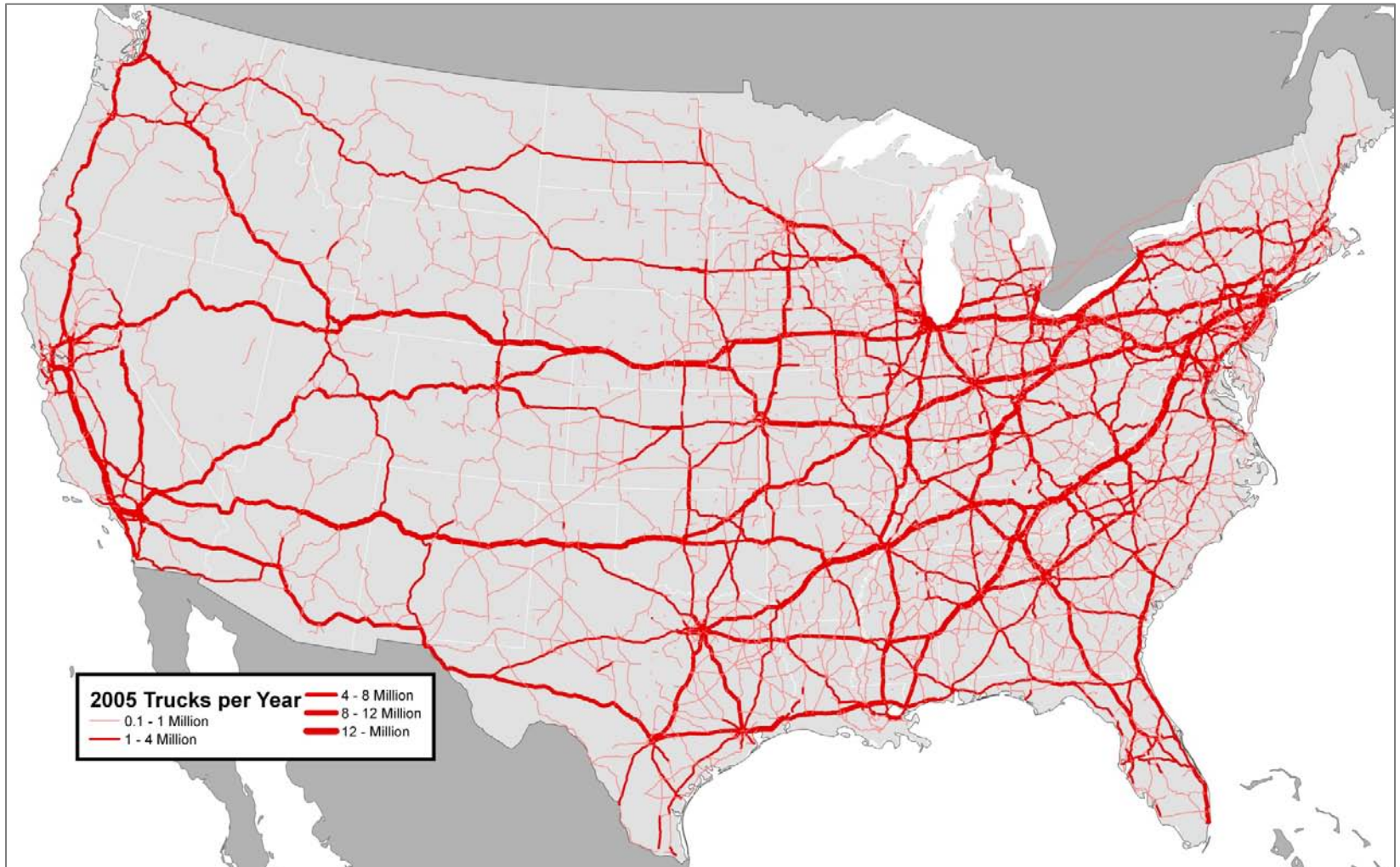
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Freight Transportation Demand

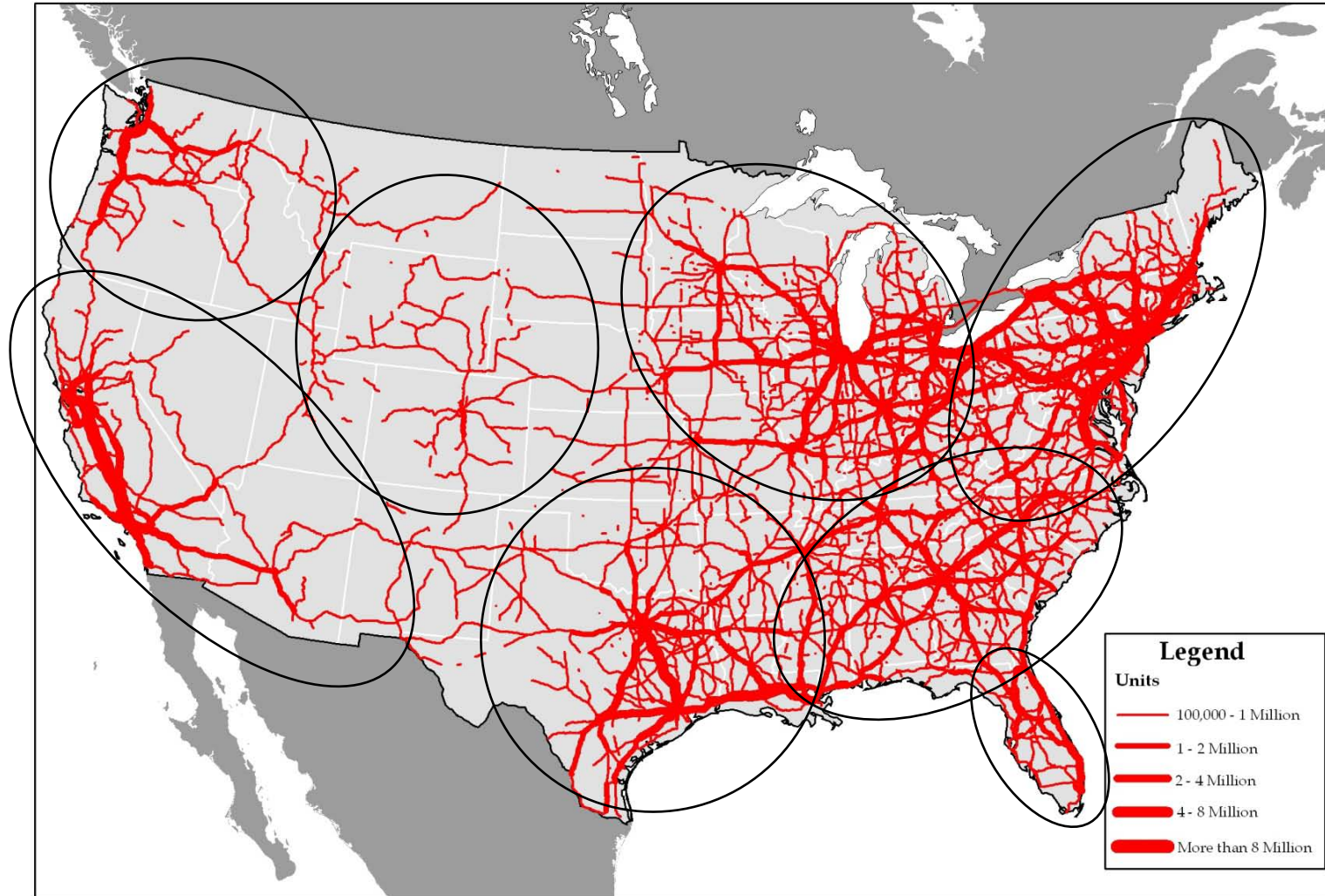


Source: IHS-Global Insight, Inc., 2007 TRANSEARCH and 2009 economic projections

National Truck Corridors

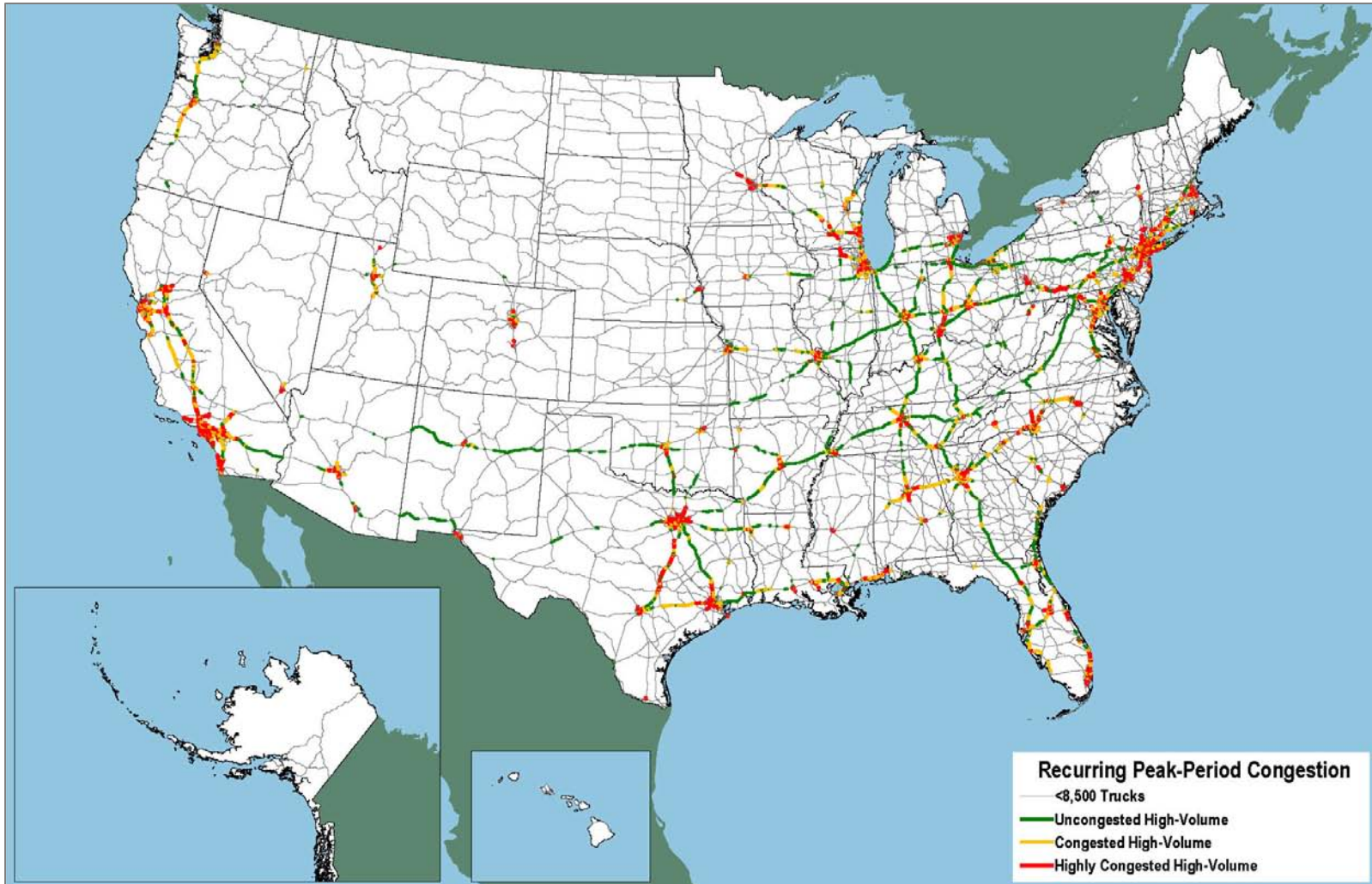


Mega-Region Truck Corridors



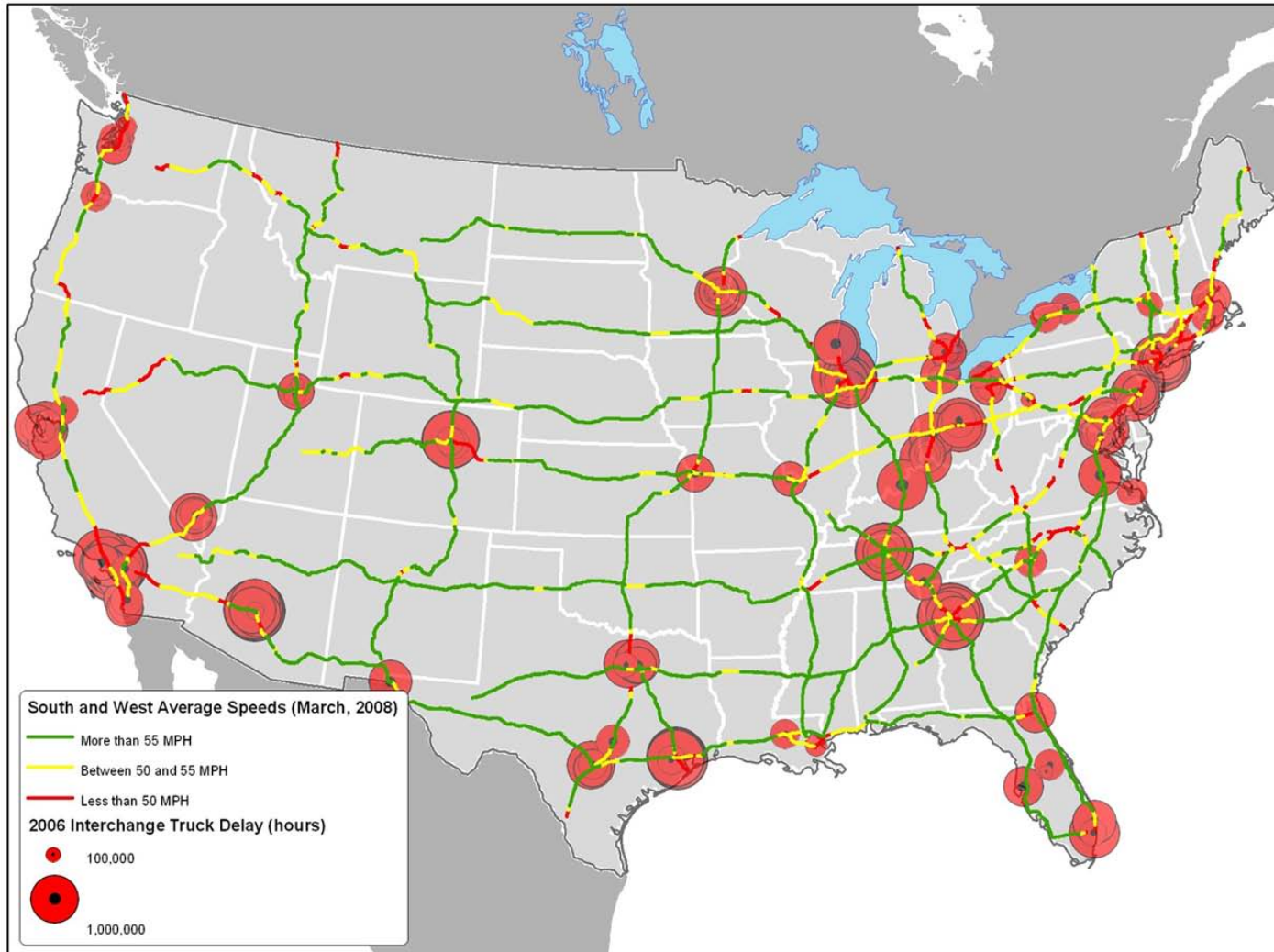
Source: Cambridge Systematics, Inc., based on IHS-Global Insight, Inc., 2004 TRANSEARCH data

Truck Corridor Congestion



Source: FHWA, "Peak-Period Congestion on High-Volume Truck Portions of the National Highway System, 2007," Freight Analysis Framework 3.1, 2010.

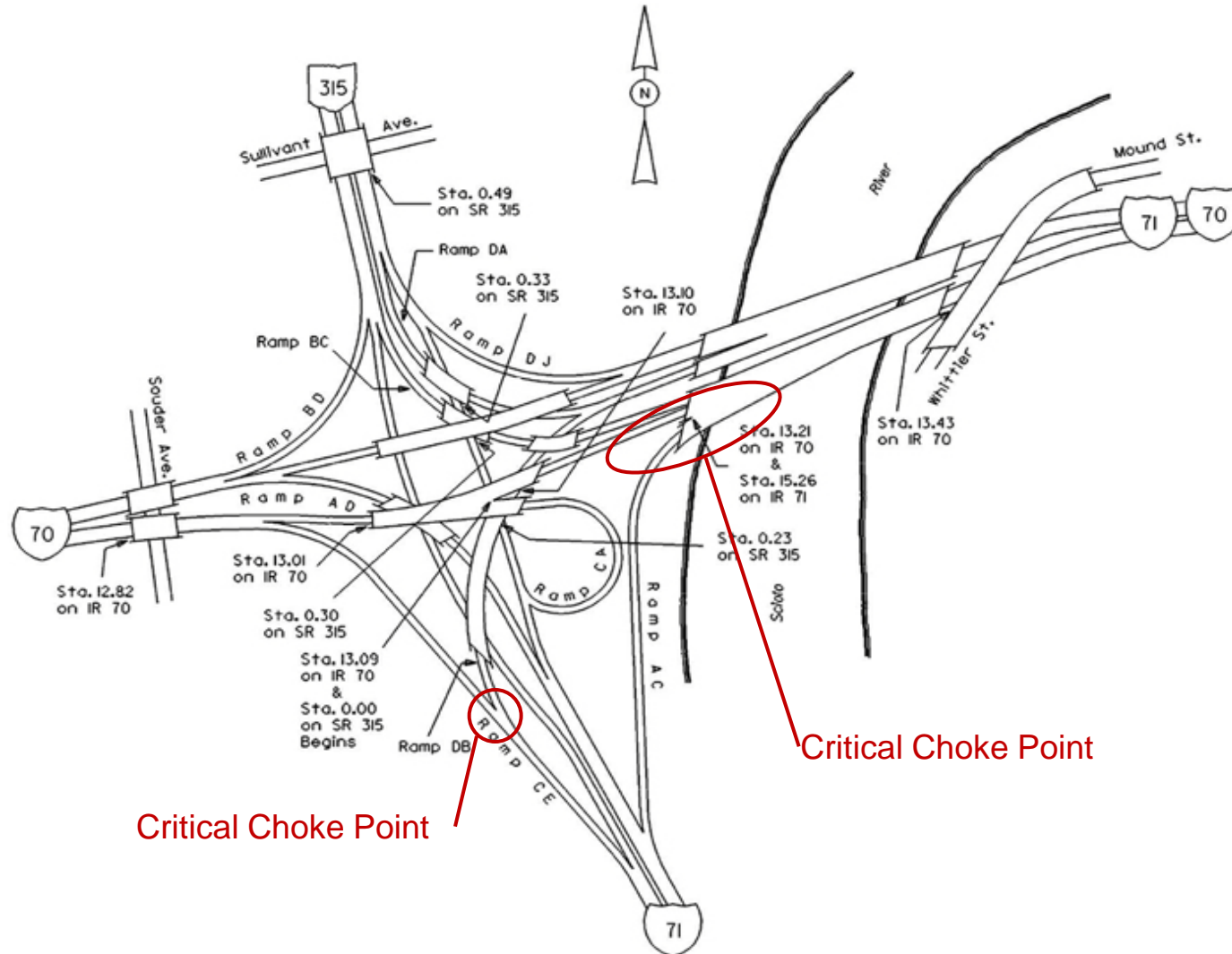
Truck Corridor Bottlenecks



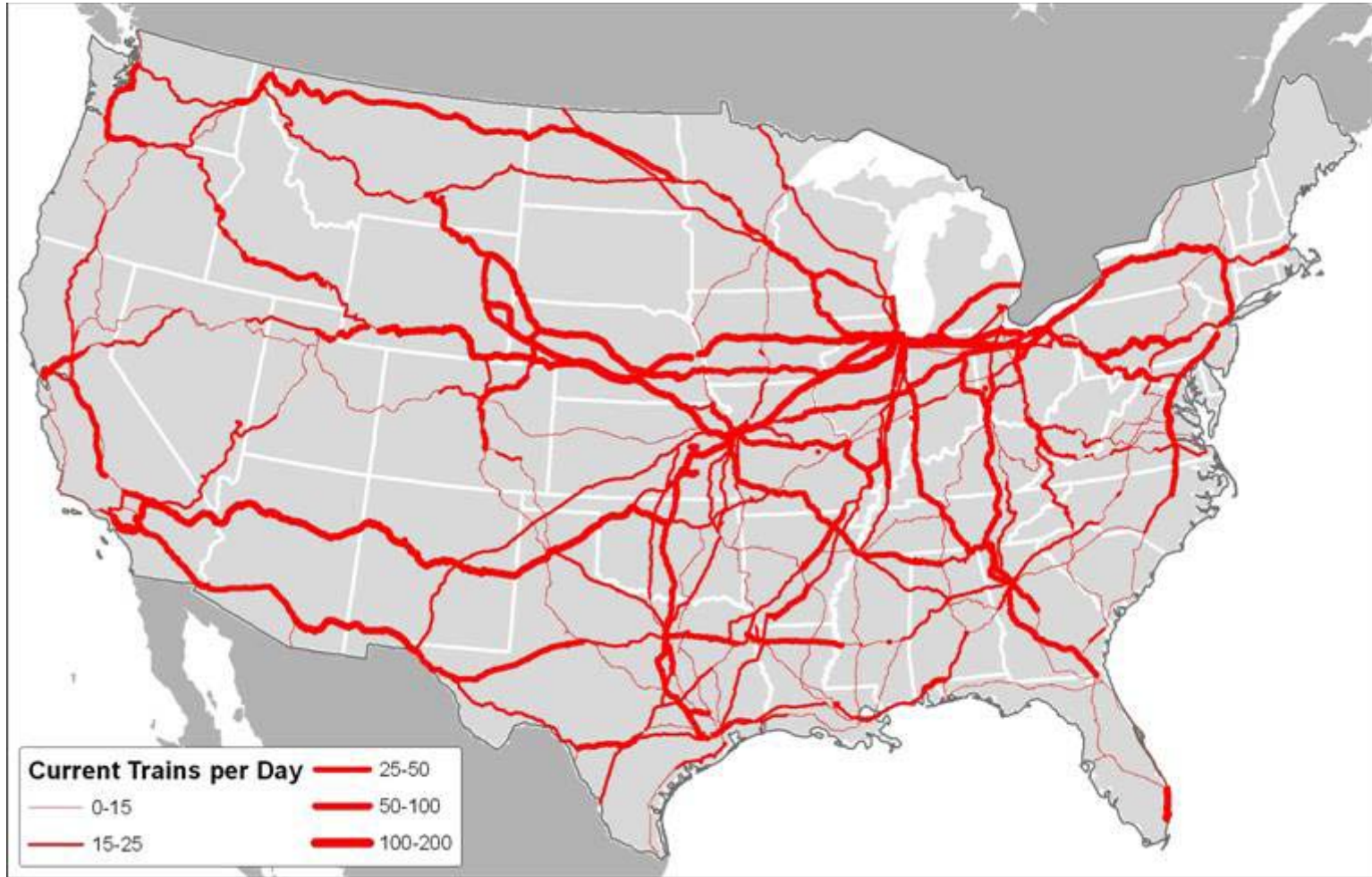
Source: Cambridge Systematics, Inc., "Estimated Cost of Freight Involved in Highway Bottlenecks." Report prepared for the Federal Highway Administration, Office of Transportation Policy Studies, November 12, 2008.

Truck Bottleneck Chokepoints

Columbus (OH) I-70, I-71, SR-315 Interchange

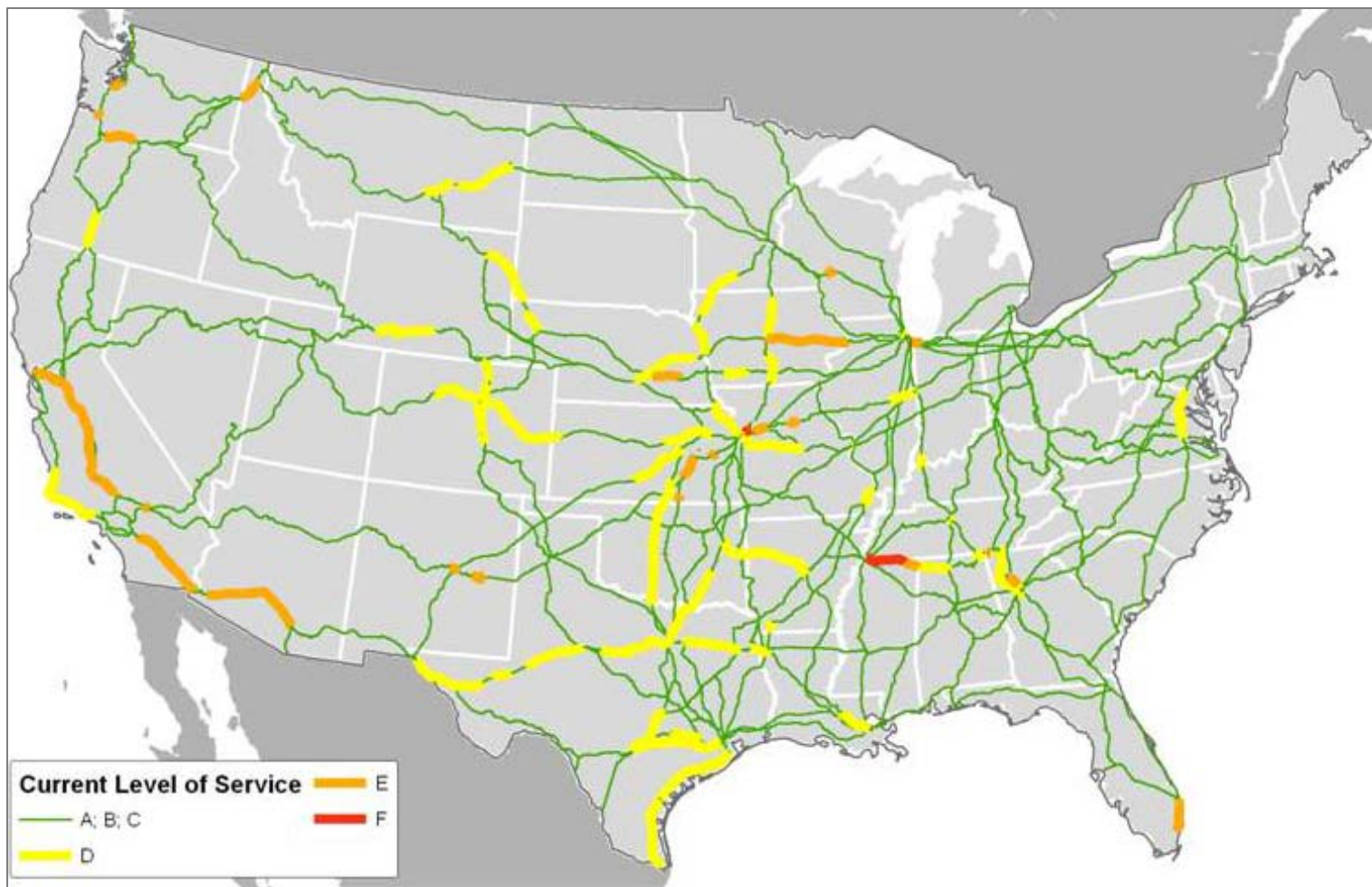


National Rail Corridors



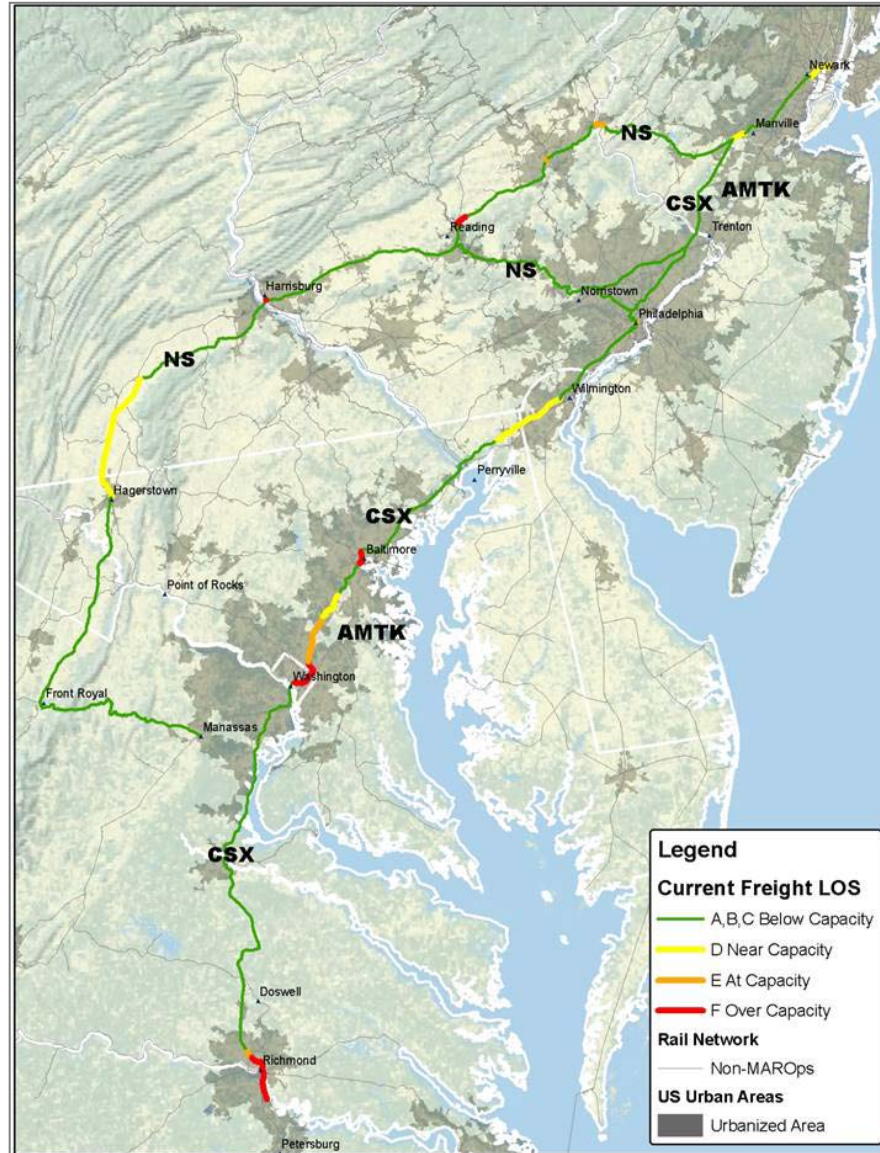
Source: Cambridge Systematics, Inc., *National Rail Freight Infrastructure Capacity and Investment Study*, prepared for the Association of American Railroads, 2007

Rail Corridor Congestion



Source: Cambridge Systematics, Inc., *National Rail Freight Infrastructure Capacity and Investment Study*, prepared for the Association of American Railroads, 2007

Rail Corridor Bottlenecks



Source: Cambridge Systematics, Inc., *Mid-Atlantic Rail Operations Phase II Study*, prepared for the I-95 Corridor Coalition, November, 2009

Rail Corridor Chokepoints



Source: Cambridge Systematics, Inc., *Mid-Atlantic Rail Operations Phase II Study*, prepared for the I-95 Corridor Coalition, November, 2009

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Freight Policy Issues: National

- **Weak policy mandate to maintain and improve freight corridors and connectivity**
- **Limited ability to trace the benefits, costs and risks of investment in freight corridors up the supply chain to the economy and jobs**
- **No sustained program to finance freight projects of national and regional significance**

Freight Policy Issues: State

- **Mismatch in scale between private sector and public sector planning and investment in freight transportation systems: the private sector thinks about multi-state markets and trade blocs; the public sector, about single jurisdictions**
- **Dearth of freight transportation planning expertise within state DOTs and state economic development agencies**

Freight Policy Issues: Metropolitan

- **Little data and less knowledge about urban goods movement**
- **Increasing tension between the demand for more freight transportation to support population and economic growth and the demand for less freight transportation to support livable communities**

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