

I-95 Corridor Coalition

Beyond Boundaries



presented to

**Metropolitan Washington Council of
Governments
Transportation Planning Board
Technical Committee**

presented by

**George Schoener, Executive Director
I-95 Corridor Coalition**

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

October 5, 2007



I-95 Corridor Coalition Beyond Boundaries



I-95 Coalition

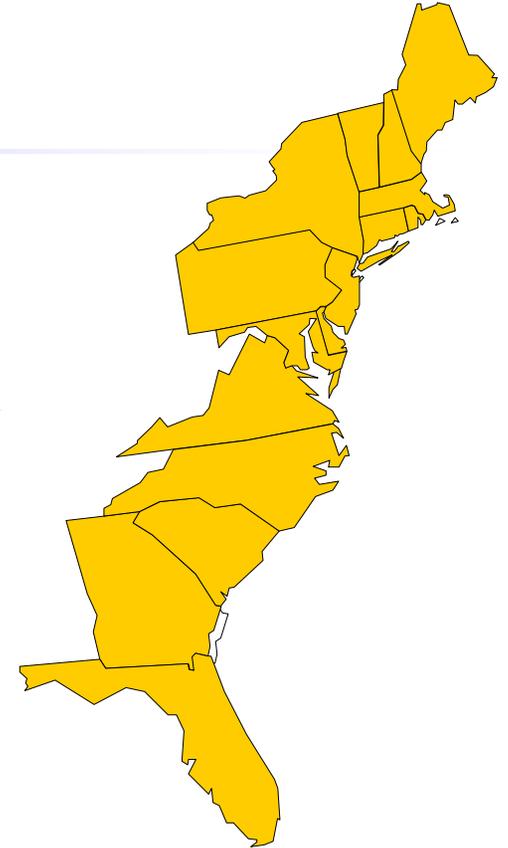
**Rail Freight in the Coalition
Region**

Strategic Vision Study

Corridors of the Future

I-95 Corridor Coalition Region

- **16 State Region – Maine to Florida**
 - **Associates: Quebec and New Brunswick**
- **1,927 miles of I-95**
- **Multi-modal/long-distance travel focus**
 - **Freight**
 - **Passenger**
- **An alliance of transportation agencies, toll authorities and related organizations**
- **A forum for key decision and policy makers to address transportation management and operations issues of common interest**



I-95 Corridor Coalition Membership

State & Local DOT's

Connecticut
Delaware
District of Columbia
Florida
Georgia
Maine
Maryland
Massachusetts
New Hampshire
New Jersey
New York City
New York
North Carolina
Pennsylvania
Rhode Island
South Carolina
Vermont
Virginia

Transportation Authorities

Delaware River & Bay Authority
Delaware River Jt Toll Bridge Comm.
Delaware River Port Authority
Federal Highway Administration
Federal Maritime Administration
Federal Motor Carrier Safety Admin.
Federal Railroad Administration
Federal Transit Administration
Maine Turnpike Authority
Maryland Transportation Authority
Massachusetts Turnpike Authority
Metropolitan Transportation Authority
MTA Bridges & Tunnels
New Jersey Transit
New Jersey Turnpike Authority
New York State Thruway Authority
Pennsylvania Turnpike Commission
Port Authority of NY& NJ
South Jersey Transportation Authority

Related Organizations

AAA Foundation for Traffic Safety
American Assoc. of MVA
American Bus Association
American Public Transportation Association
American Trucking Associations
Amtrak
Association of American Railroads
Baltimore Metropolitan Council
Coalition of NE Governors
Delaware Valley Reg'l Planning
E-ZPass Interagency Group
Governors Highway Safety Association
Intermodal of North America
IBTTA
ITS AMERICA
National Capital Region TPB
National Industrial Transportation League
National Private Truck Council
New York Metropolitan Transportation Council
~~Niagara Int'l Trans Tech Coalition~~
North Jersey Transportation Planning Authority
Seaport Advisory Council (MA)
Towing & Recovery Assn of America
TRANSCOM
Georgia Regional Transportation Auth.
Greater Bridgeport (CT) Transit Auth.
New Brunswick (Canada) DOT
New York State Bridge Authority
Quebec Ministry of Transport



I-95 Corridor Coalition

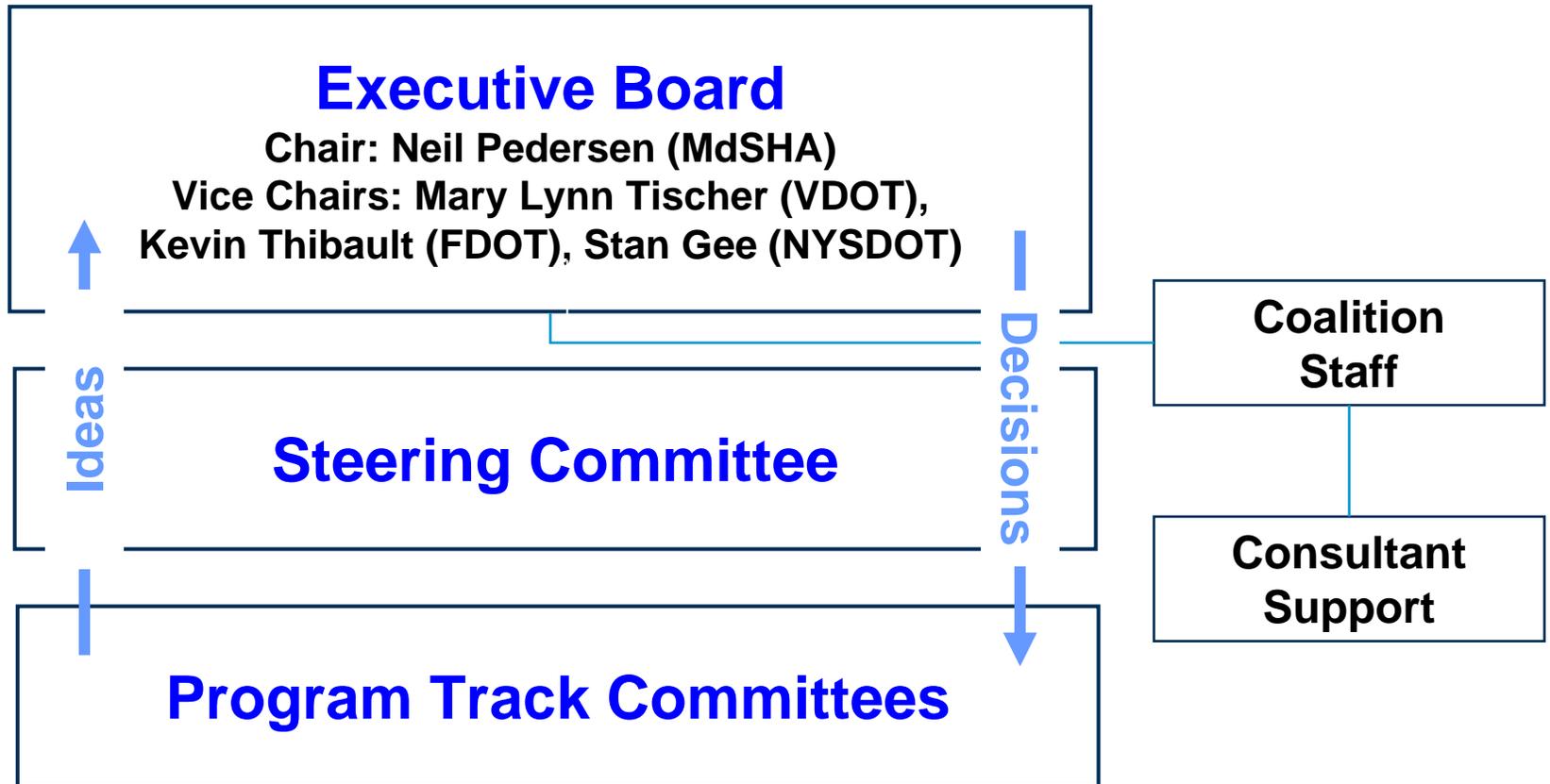
What We Do

- **Policy Analysis, Strategies, and Programs**
 - Policy and Strategic Planning
 - Travel Information Services
 - Coordinated Incident Management
 - Commercial Vehicle Operations
 - Intermodal Passenger and Freight
 - Electronic Payment Services
 - Safety
- **Information Exchange/Best Practices**



I-95 Corridor Coalition

Core Organizational Structure



Multi-State Coordination in the I-95 Corridor

- **Coalition provides a forum for discussing and identifying consensus solutions to transportation problems that transcend individual organizations**
- **Members look to the Coalition to provide professional and objective analysis of issues**
- **No formal agreement exists among members; operating guidelines provide administrative documentation**
- **No direct investment or operating authority**



I-95 Corridor Coalition

Beyond Boundaries



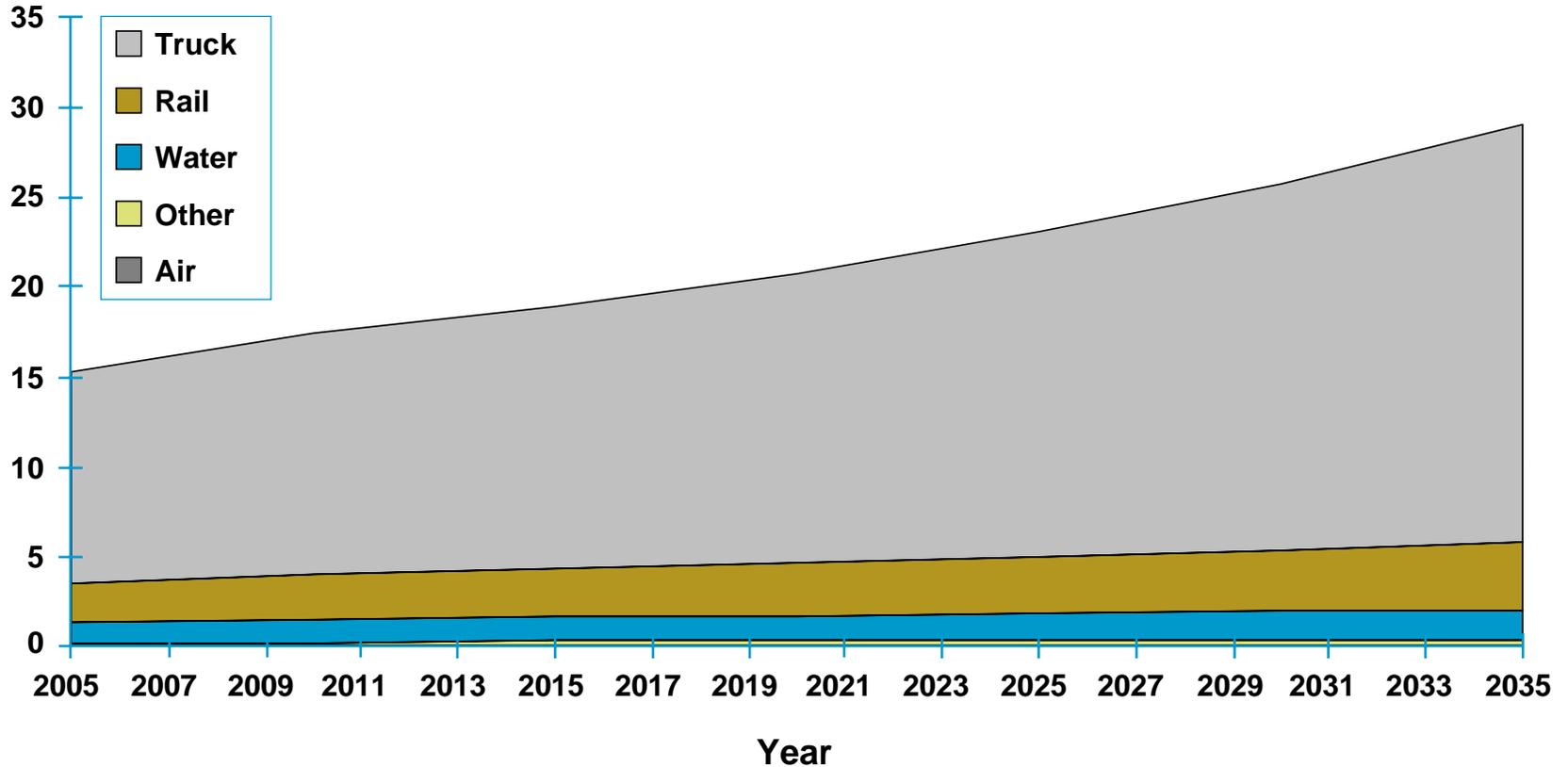
Rail Freight in the Coalition Region

- Freight Outlook and Issues
- National Rail Freight Capacity and Investment Requirements Study
- Mid-Atlantic Rail Operations Studies (MAROps I and II)

Freight Tonnage by Mode, 2004-2035

With moderate economic growth at about 2.8 percent CAGR, freight tonnage will nearly double by 2035

Net Tons (in Billions)

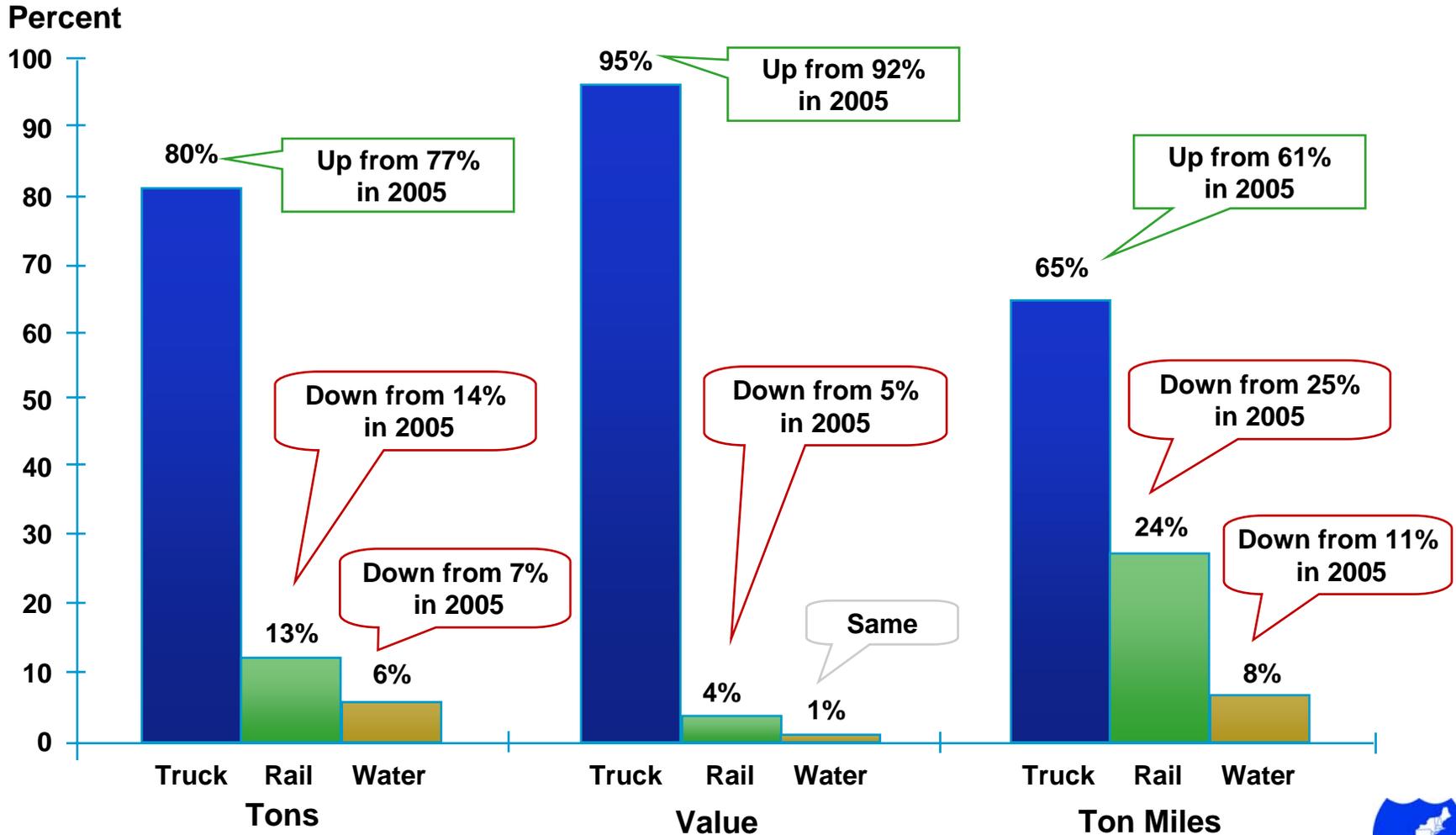


Source: Global Insight 2004 TRANSEARCH data and economic forecasts.



Freight Tons, Value, Ton-Miles by Mode, 2035

As the structure of the U.S. economy changes, generating higher-value, lighter, and more time-sensitive shipments, more freight will likely go by truck and air, less by rail and water



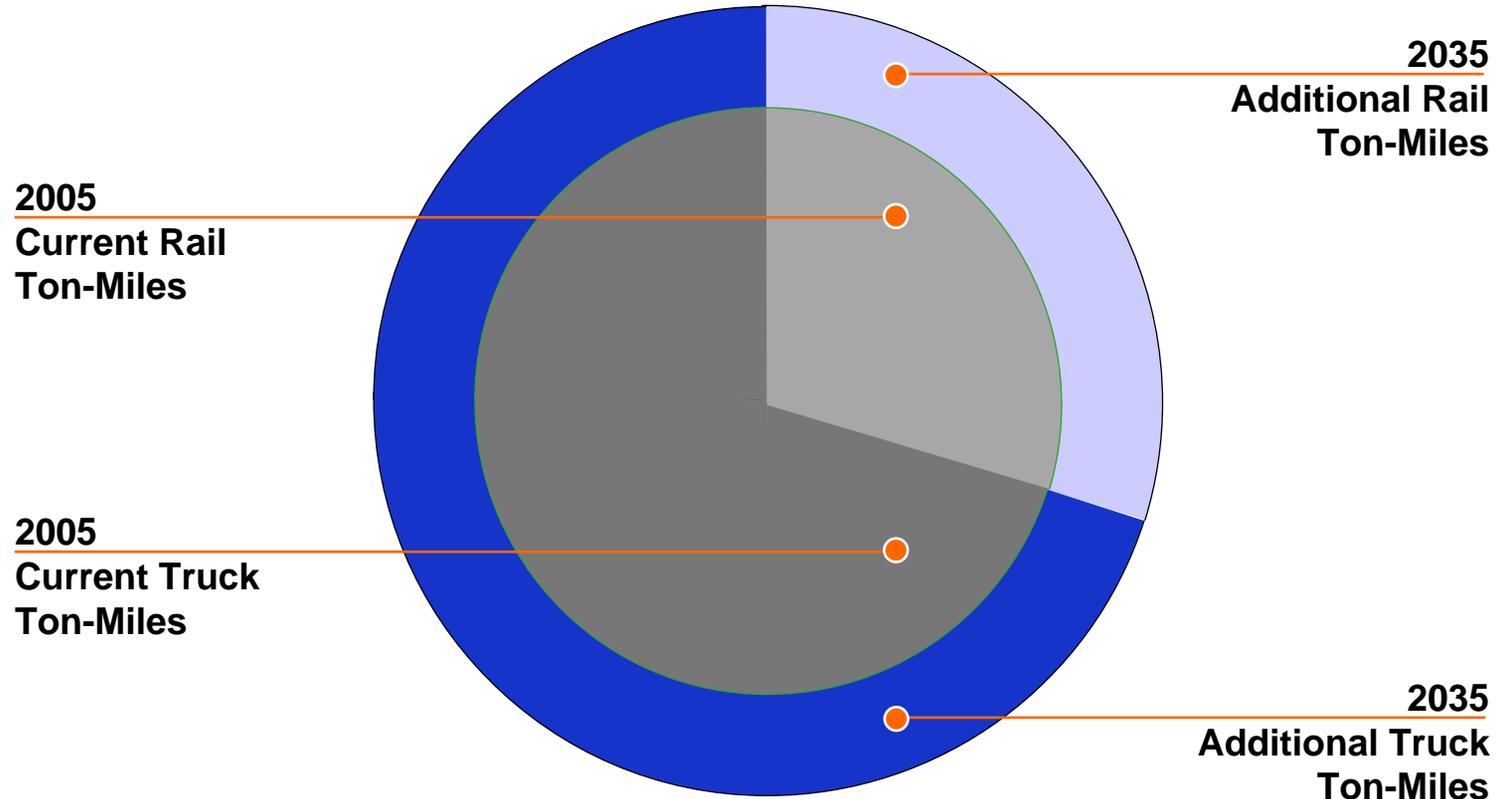
Source: Global Insight 2004 TRANSEARCH data and economic forecasts.



I-85 CORRIDOR COALITION

Freight Capacity

Do the truck and rail freight systems have the capacity to handle the growing volume of freight – even if mode shares remain constant?

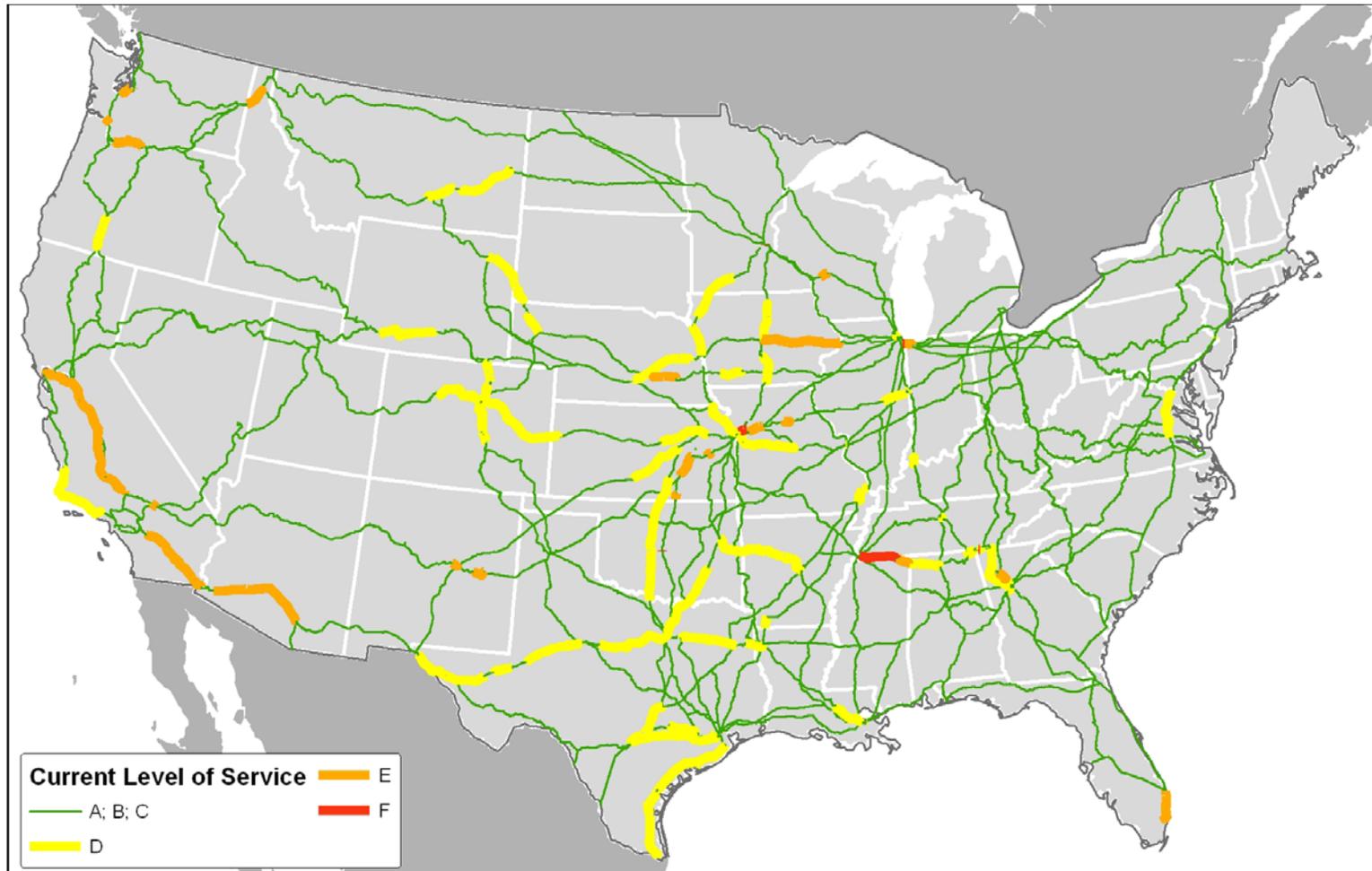


Source: Cambridge Systematics



National Rail Freight Capacity Study

Current Train Volumes Compared to Current Train Capacity

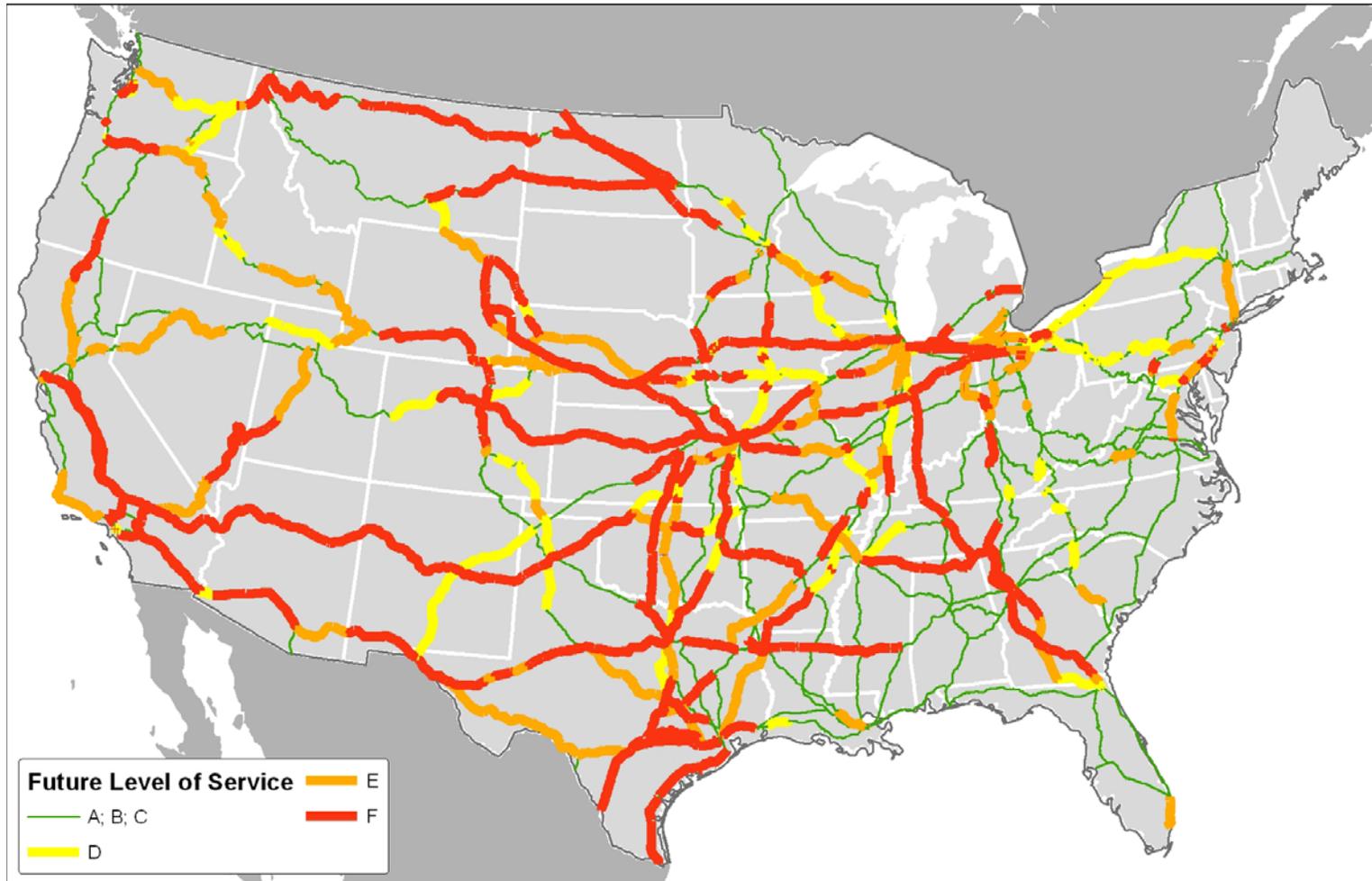


Source: Cambridge Systematics, *National Rail Freight Capacity and Investments Requirements Study*, prepared for the Association of American Railroads, September 2007



National Rail Freight Capacity Study

Future Corridor Volumes Compared to Current Corridor Capacity – 2035 without Improvements



Source: Cambridge Systematics, *National Rail Freight Capacity and Investments Requirements Study*, prepared for the Association of American Railroads, September 2007



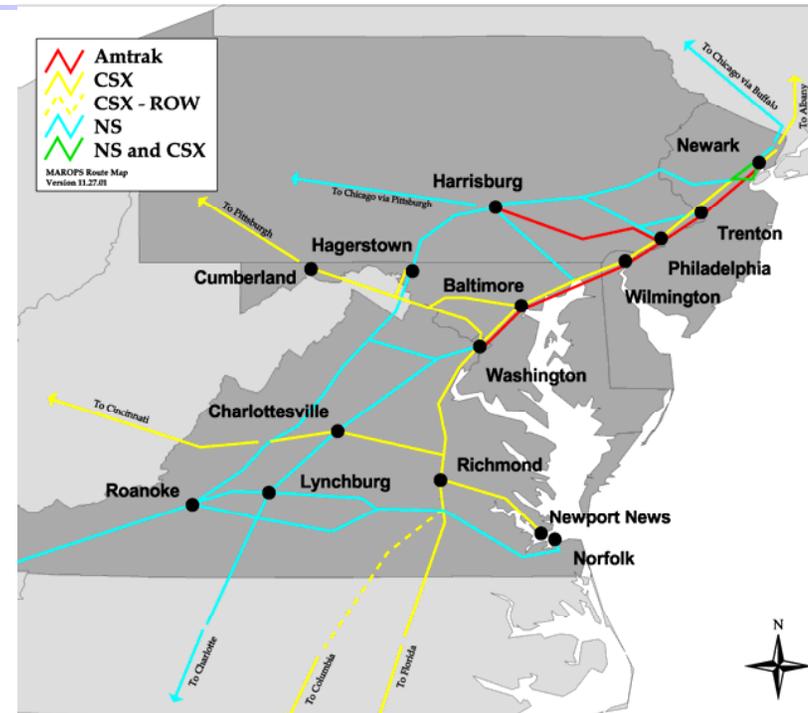
Mid-Atlantic Rail Operations Study, Phase I (MAROps I)

- **Participants**

- CSX, NS, and Amtrak
- NJ, PA, DE, MD, and VA
- I-95 Corridor Coalition
- U.S. DOT/FHWA and FRA

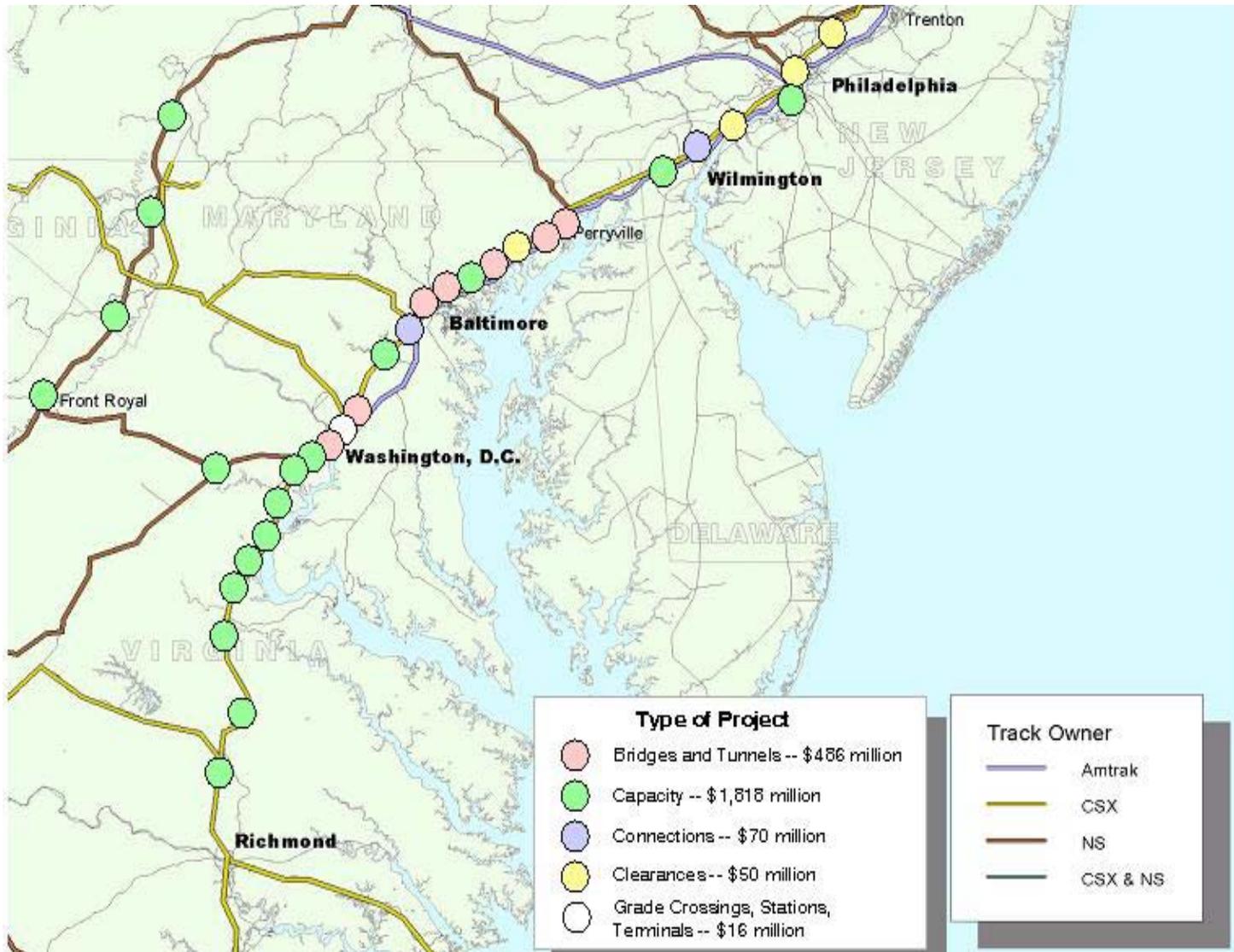
- **Process**

- Bottoms up look at the regional rail system
- Identified critical rail choke points; driven by railroad and state planning and rail operations experts
- Identified improvements needed from system perspective
- Developed strategic, phased program

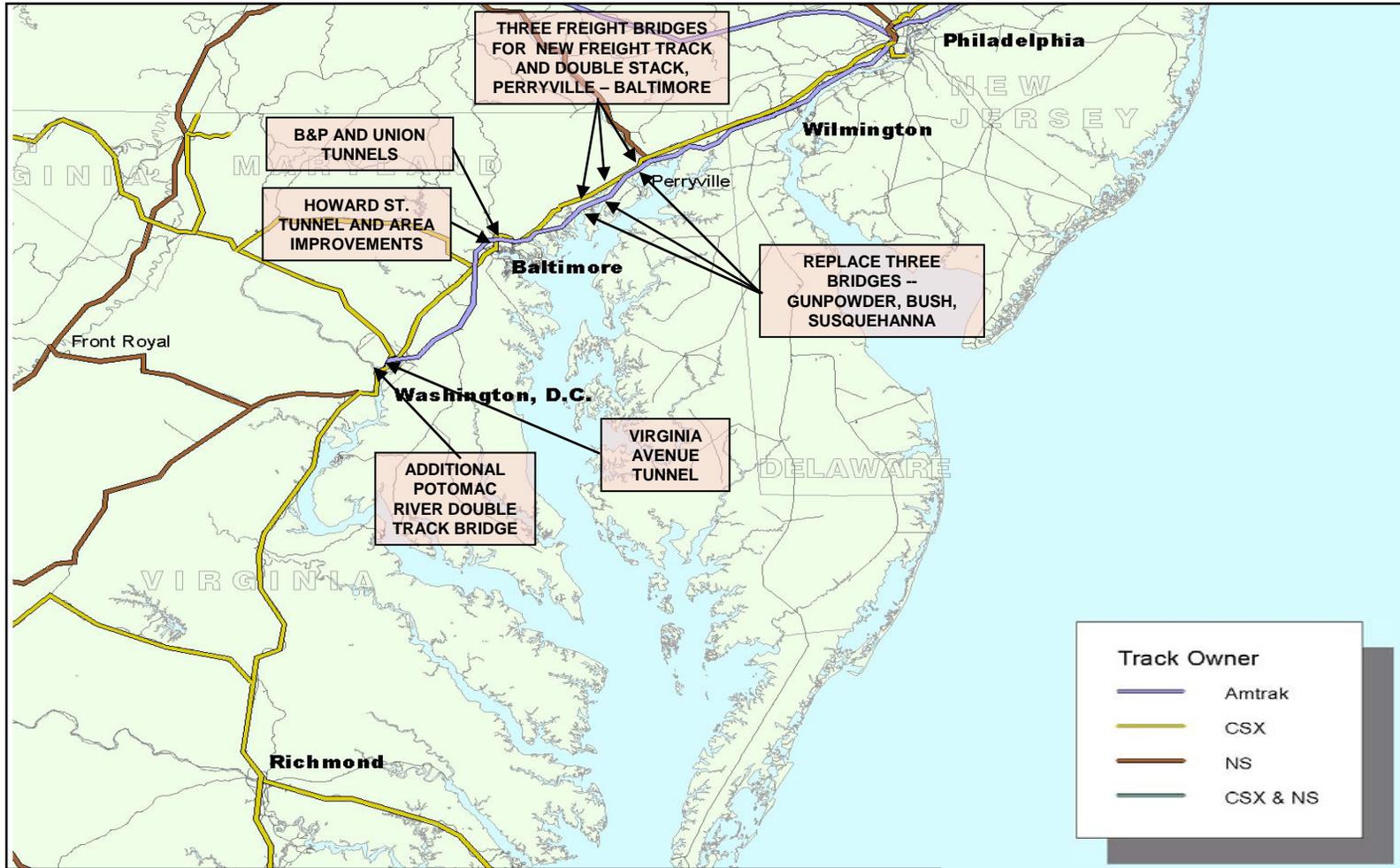


MAROps I Program

The MAROps Study identified 71 major rail choke points requiring \$6.2 billion in improvements of 20 years

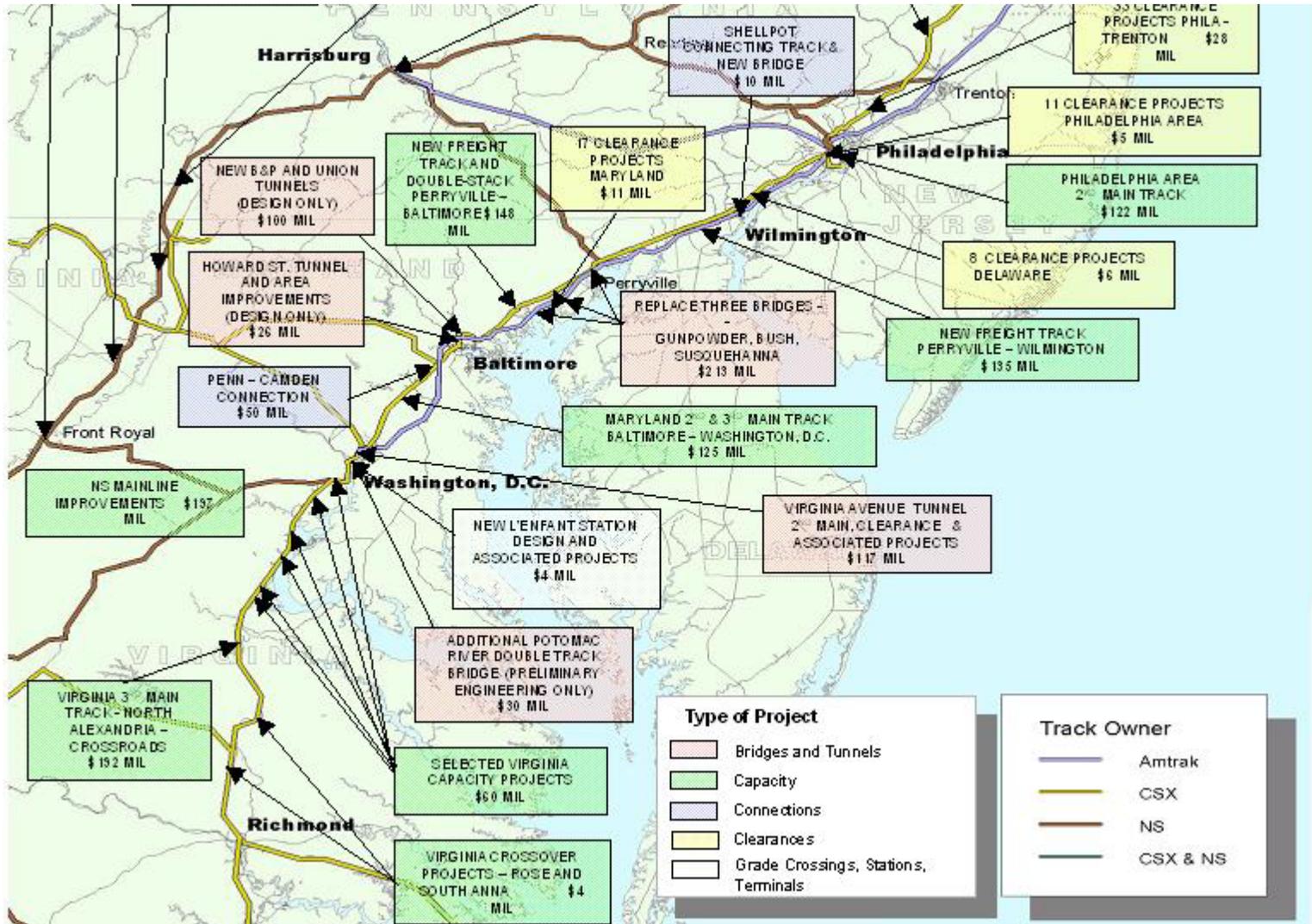


Rail Bridge and Tunnel Choke Points



Near-Term Program

\$2.4 Billion, Within 5 Years



Estimated Benefits to the MAROps Region from MAROps Improvements, 2005-2025

Benefit Category	Direct Benefits (Dollars in Millions, Current)	Indirect Benefits from I/O Model (Dollars in Millions, 2003)	Total Benefits (Dollars in Millions)
Shipper Cost	\$2,888	\$3,198	\$6,086
Highway User Cost (Auto, Non-Work Related)	\$4,831	--	\$4,831
Highway User Cost (Truck)	\$778	\$263	\$1,041
Highway User Cost (Auto, Work- Related)	\$659	\$221	\$880
Total	\$9,156	\$3,682	\$12,838

Source: Cambridge Systematics, *Mid-Atlantic Rail Operations Study*.



I-83 CORRIDOR
COALITION

Mid-Atlantic Rail Operations Study, Phase II (MAROps II)

- **Participants**
 - **Same plus New York State**
 - **Outreach to MPOs, commuter railroads, other stakeholders**
- **Process**
 - **Update condition and performance of rail and highway networks (supply)**
 - **Examine commodity flows and supply chains(demand)**
 - **Update MAROps program**
 - **Estimate MAROps program benefits**
 - **Develop transferable institutional mechanisms for implementing regional rail programs**
 - **e.g., Multi-state Infrastructure Bank**



I-95 Corridor Coalition

Beyond Boundaries



**Strategic Vision Study for the
I-95 Corridor Coalition**

Corridors of the Future Program

Strategic Vision Study for the I-95 Corridor Coalition

- **Purpose**

- **Develop a strategic vision to meet the future corridor-scale transportation issues and investment requirements**

- **Process**

- **Assess emerging policy issues and state/local visions**
- **Review and bracket future demographic, economic, land-use, and travel projections**
- **Analyze three alternative supply (capacity and management) scenarios to meet serve demand and vision**
- **Identify and assess policy issues and choices**
- **Issue executive summary and technical report**



Corridors of the Future Program

- **U.S. DOT program to develop multi-state corridor programs that will help reduce transportation congestion and improve mobility**
 - 38 applications received
- **I-95 Corridor Coalition:**
 - January 31 – Selected for Phase 2
 - September 10 – Selected as one of 6 Corridors of the Future



I-95 Corridor Coalition

Corridors of the Future Initiatives

- **Real-Time Traffic Information**
- **Bottleneck Financing Solutions**
- **Expedited Incident Clearance**
- **Integrated Intercity Air/Bus/Rail and Local Transit Services**



I-95 Corridor Coalition

Beyond Boundaries



presented to

**Metropolitan Washington Council of
Governments
Transportation Planning Board
Technical Committee**

presented by

**George Schoener, Executive Director
I-95 Corridor Coalition**

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

October 5, 2007

