

Investing for Success: Freight Corridor Planning in Georgia

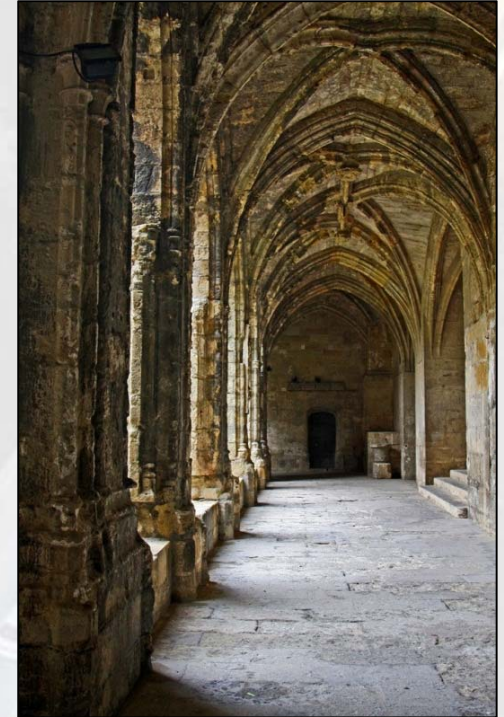
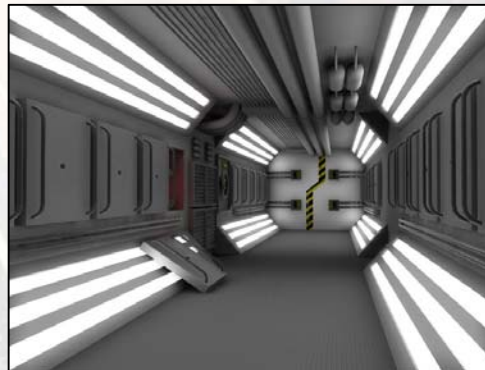
Tom McQueen, AICP
Assistant Planning Administrator
Georgia Department of Transportation



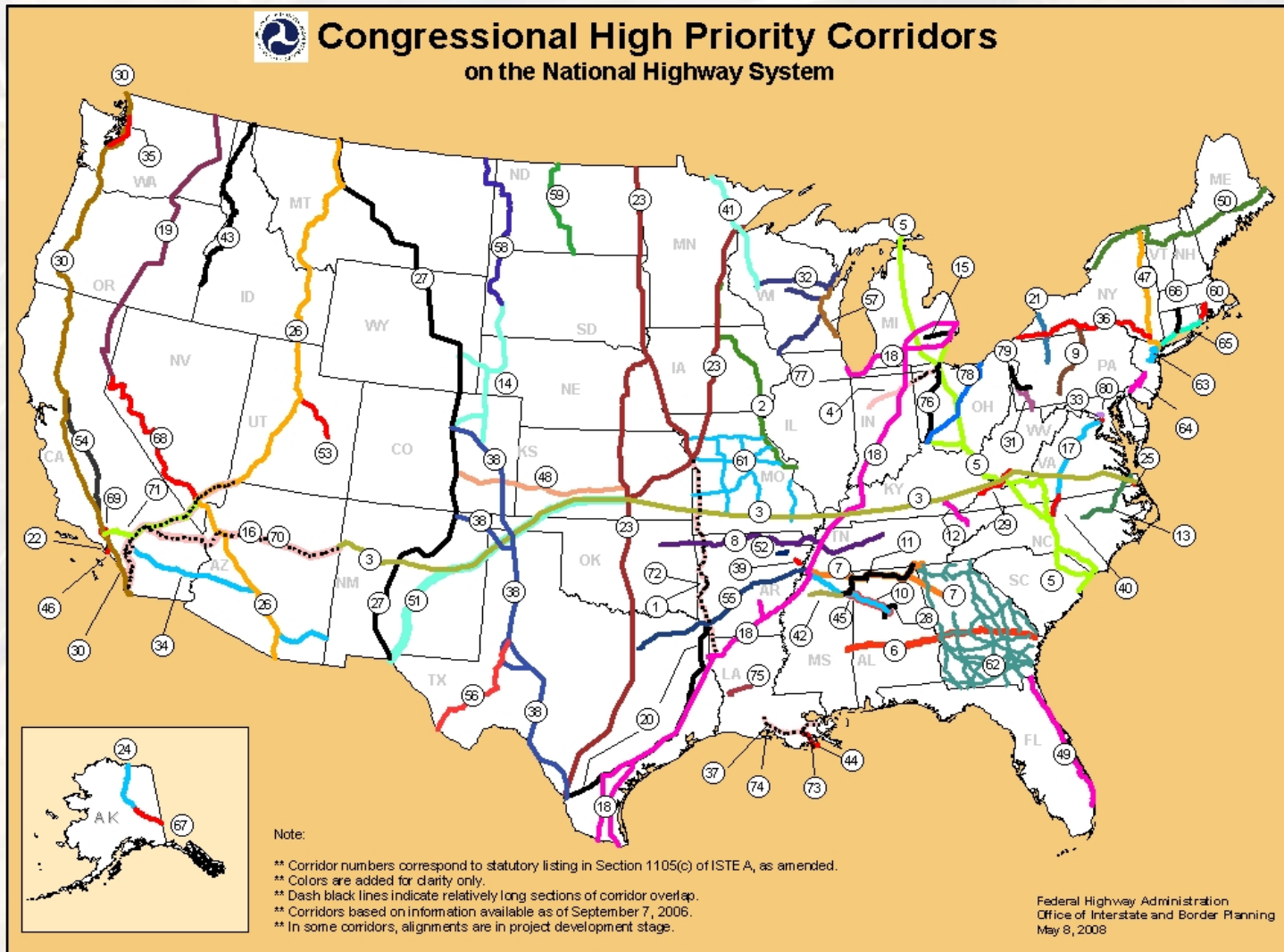
SASHTO

Georgia Department of Transportation

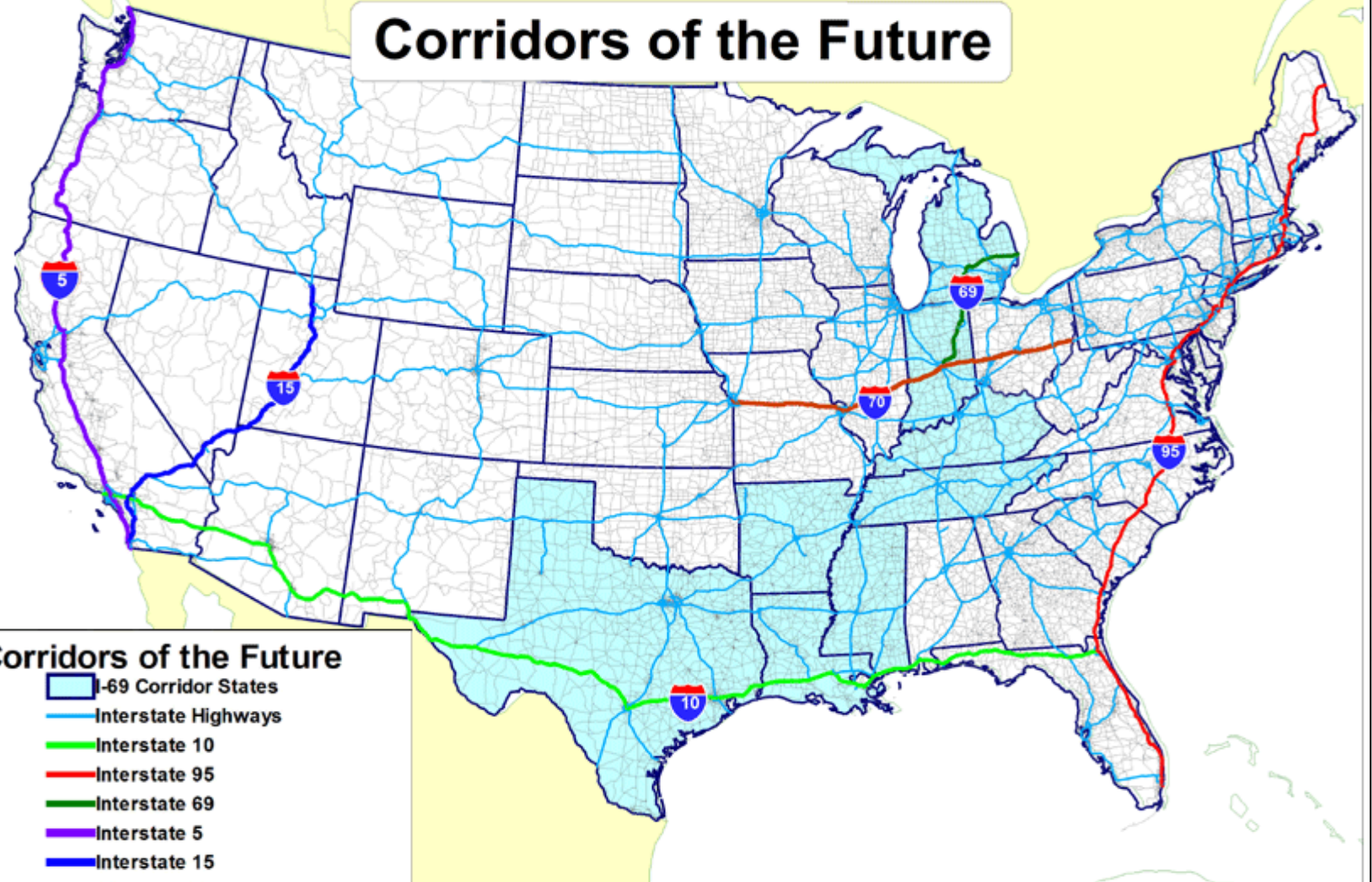
August 25, 2014



...remember this?...

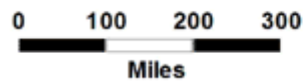


Corridors of the Future



Corridors of the Future

- I-69 Corridor States
- Interstate Highways
- Interstate 10
- Interstate 95
- Interstate 69
- Interstate 5
- Interstate 15
- Interstate 70



Office of Freight Management and Operations, FHWA, US DOT

<http://www.fhwa.dot.gov/pressroom/dot0795.cfm>



U.S. Department of Transportation
Federal Highway Administration
Office of Planning, Environment, and Realty
Office of Transportation Systems Performance
Geospatial Information Program

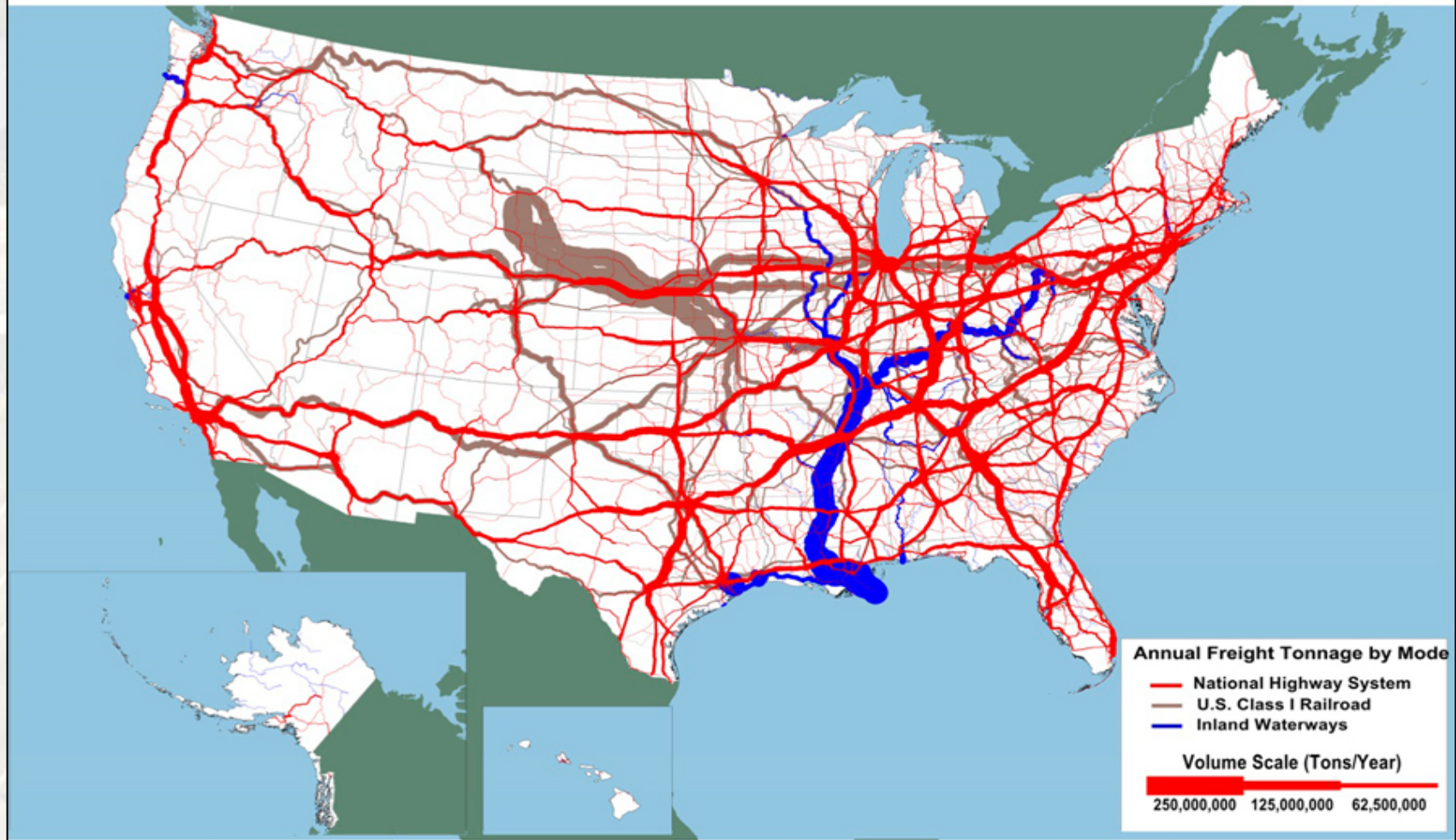
High Priority Corridors Designated as Future Interstates by Congress



Notes:
Colors are added for clarity only.
Corridor numbers correspond to statutory listing in Section 1105(c) of ISTEA 1991, as amended.
Some portions of the future Interstates have been constructed to Interstate standards, open to traffic and signed as Interstates.

www.fhwa.dot.gov/planning/national_highway_system/high_priority_corridors

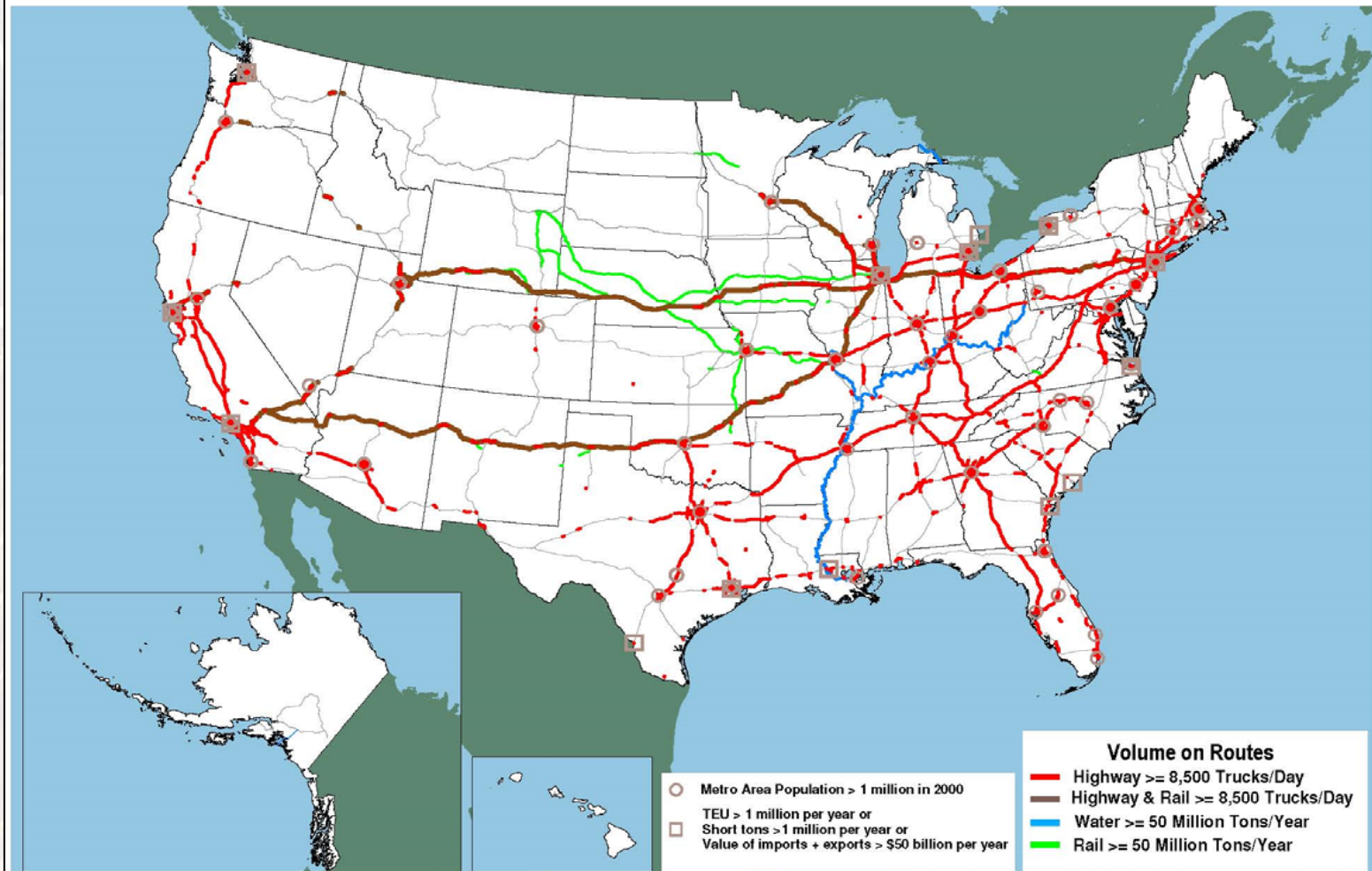
Tonnage on Highways, Railroads, and Inland Waterways: 2007



Sources: Highways: U.S. Department of Transportation, Federal Highway Administration, Freight Analysis Framework, Version 3.4, 2012. Rail: Based on Surface Transportation Board, Annual Carload Waybill Sample and rail freight flow assignments done by Oak Ridge National Laboratory. Inland Waterways: U.S. Army Corps of Engineers (USACE), Annual Vessel Operating Activity and Lock Performance Monitoring System data, as processed for USACE by the Tennessee Valley Authority; and USACE, Institute for Water Resources, Waterborne Foreign Trade Data, Water flow assignments done by Oak Ridge National Laboratory.

http://ops.fhwa.dot.gov/freight/freight_analysis/nat_freight_stats/tonhwyrrww2007.htm

Components of Major Freight Corridors

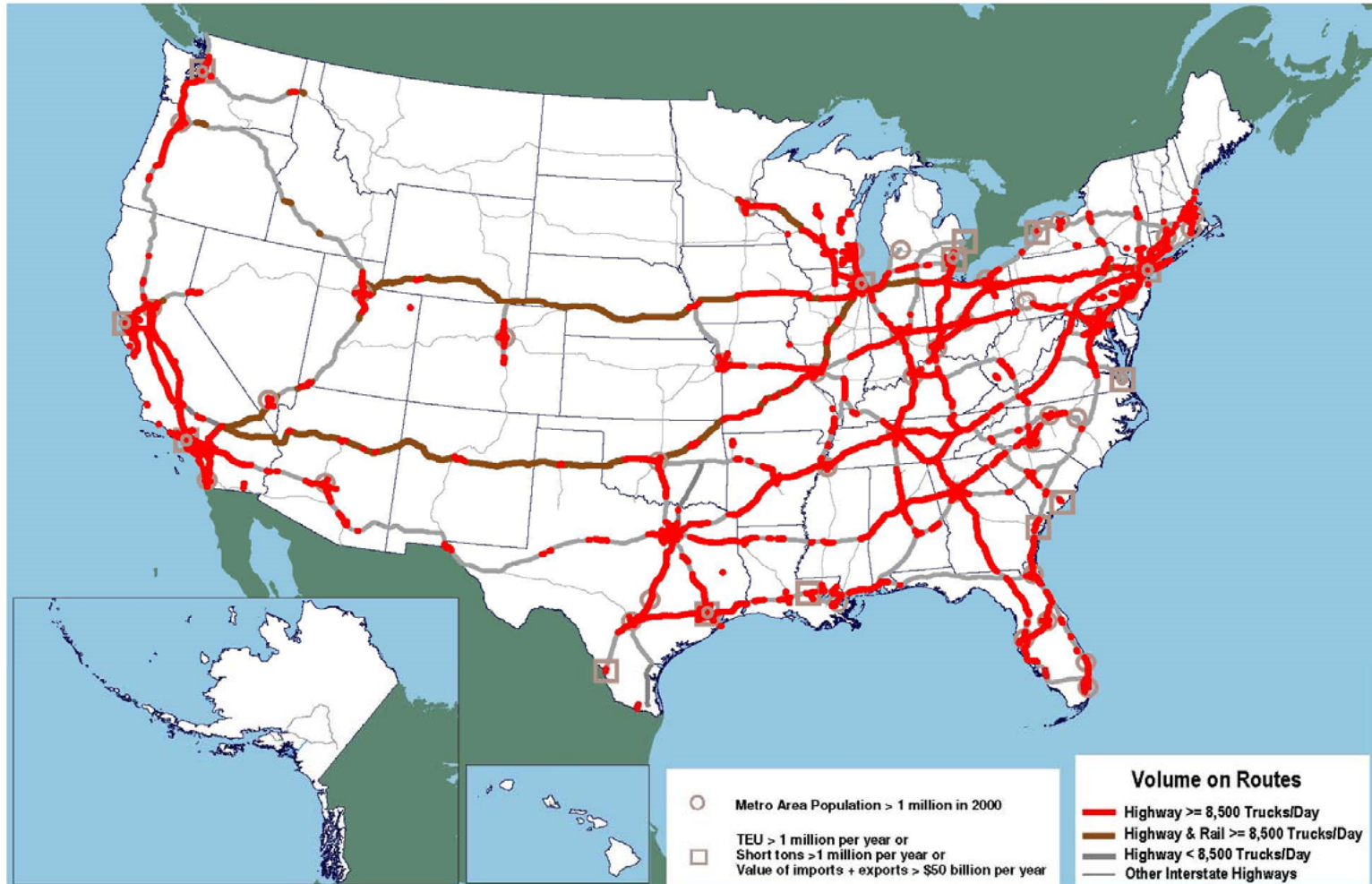


Note: Highway & Rail is additional highway mileage with daily truck payload equivalents based on annual average daily truck traffic plus average daily intermodal service on parallel railroads. Average daily intermodal service is the annual tonnage moved by container-on-flatcar and trailer-on-flatcar service divided by 365 days per year and 16 tons per average truck payload.

Source: U.S. Department of Transportation, Federal Highway Administration, Office of Freight Management and Operations, 2008.

http://ops.fhwa.dot.gov/freight/freight_analysis/freight_story/major.htm

Major Freight Corridors



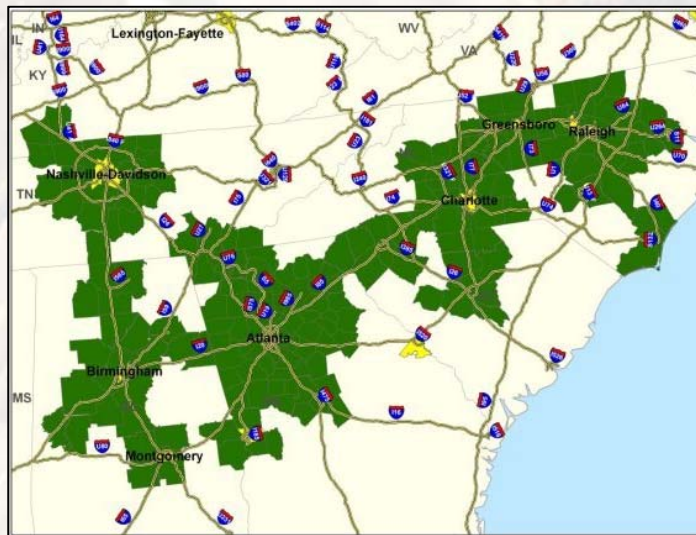
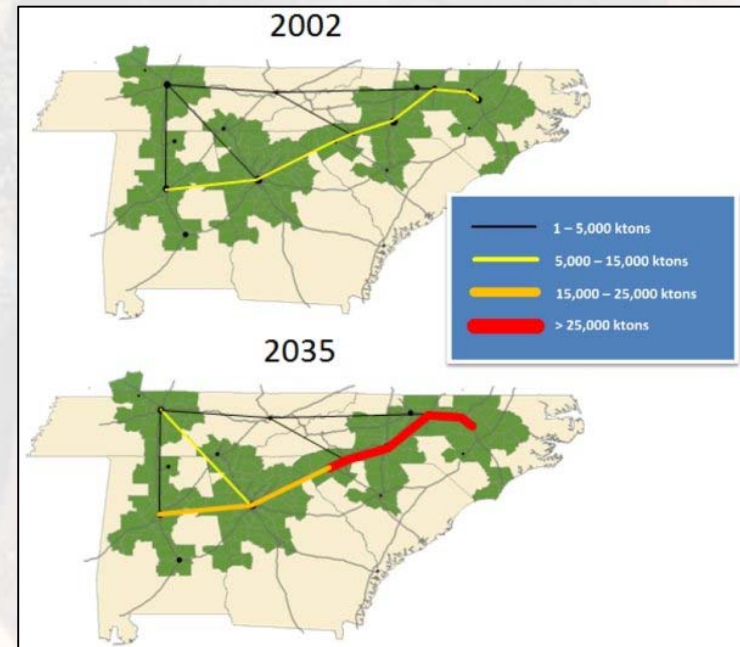
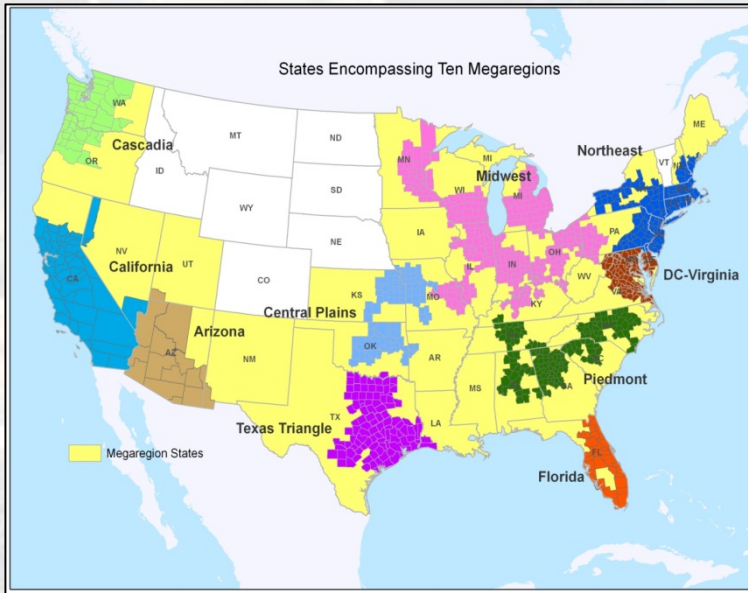
Note: Highway & Rail is additional highway mileage with daily truck payload equivalents based on annual average daily truck traffic (2011) plus average daily intermodal service on parallel railroads. Average daily intermodal service is the annual tonnage moved by container-on-flatcar and trailer-on-flatcar service divided by 365 days per year and 16 tons per average truck payload.

Source: U.S. Department of Transportation, Federal Highway Administration, Office of Freight Management and Operations, 2013

http://www.ops.fhwa.dot.gov/freight/freight_analysis/nat_freight_stats/mjrfreightcorridors.htm

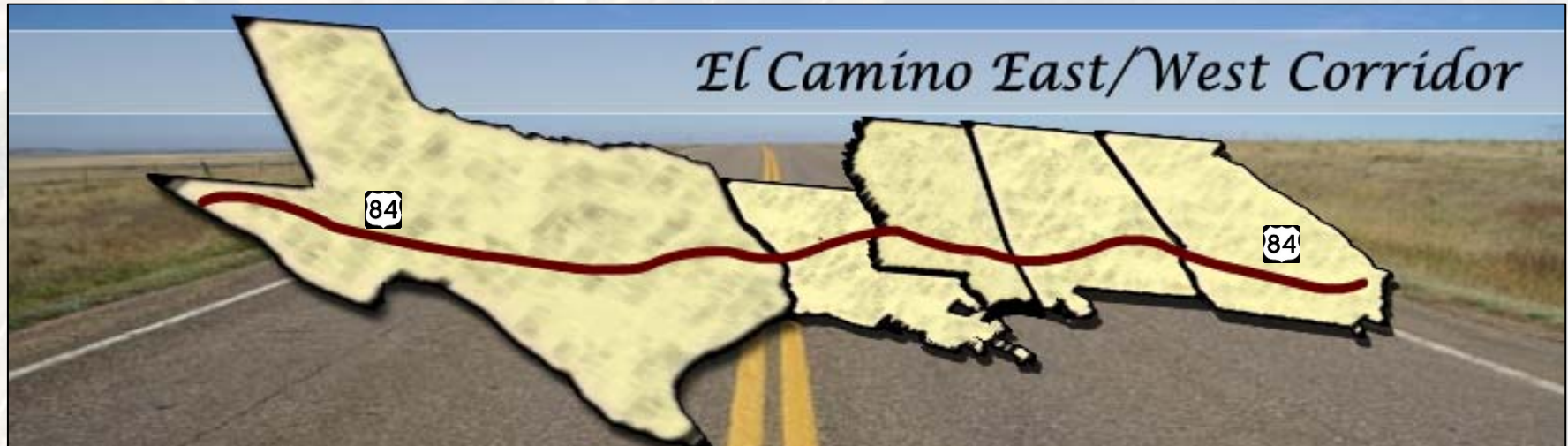
Multi-State Freight Flows

Piedmont Mega-Region example...



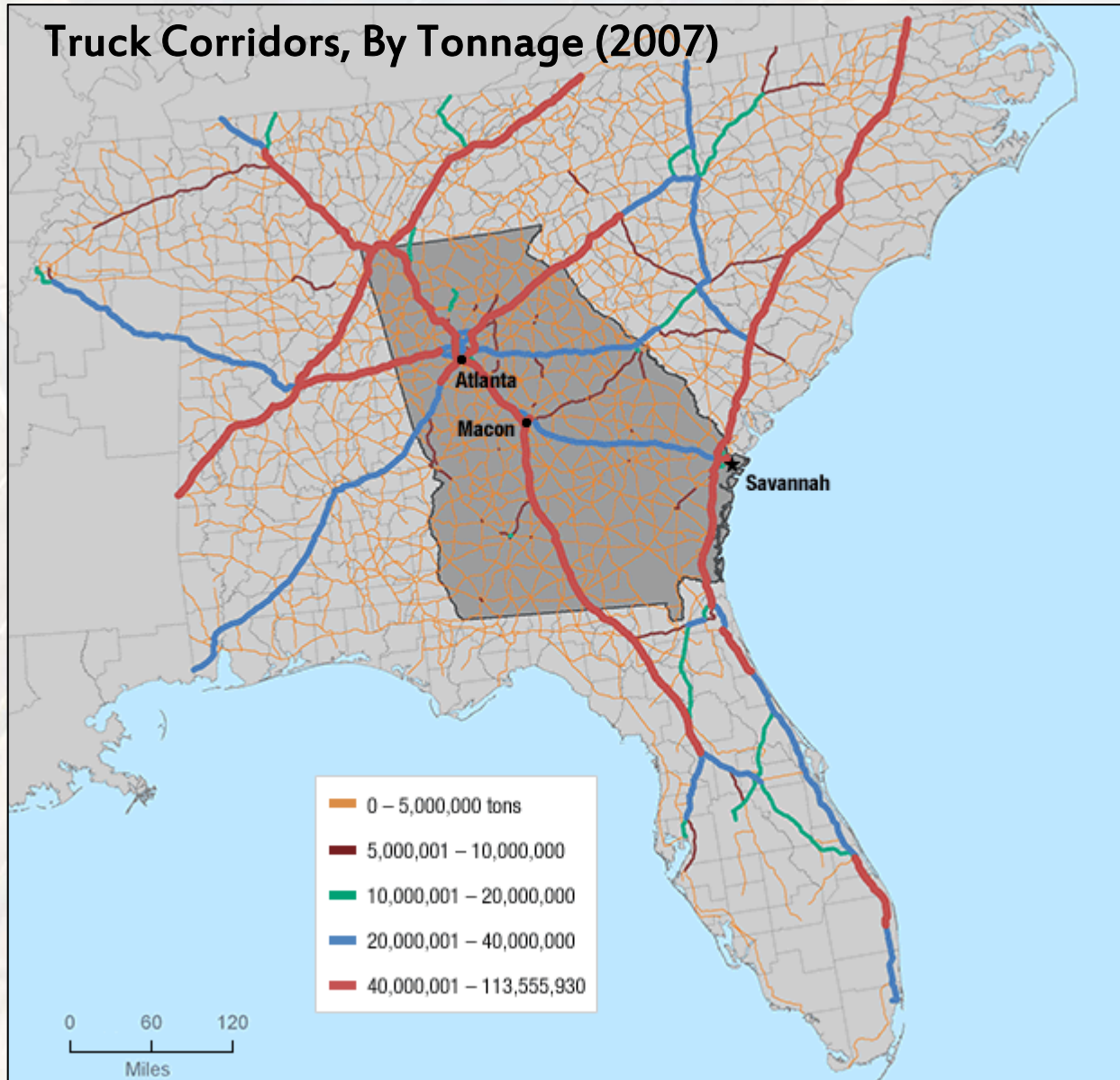
www.fhwa.dot.gov/planning/megaregions/reports/megaregions_report_2011/megaregions05.cfm

Multi-State Corridor



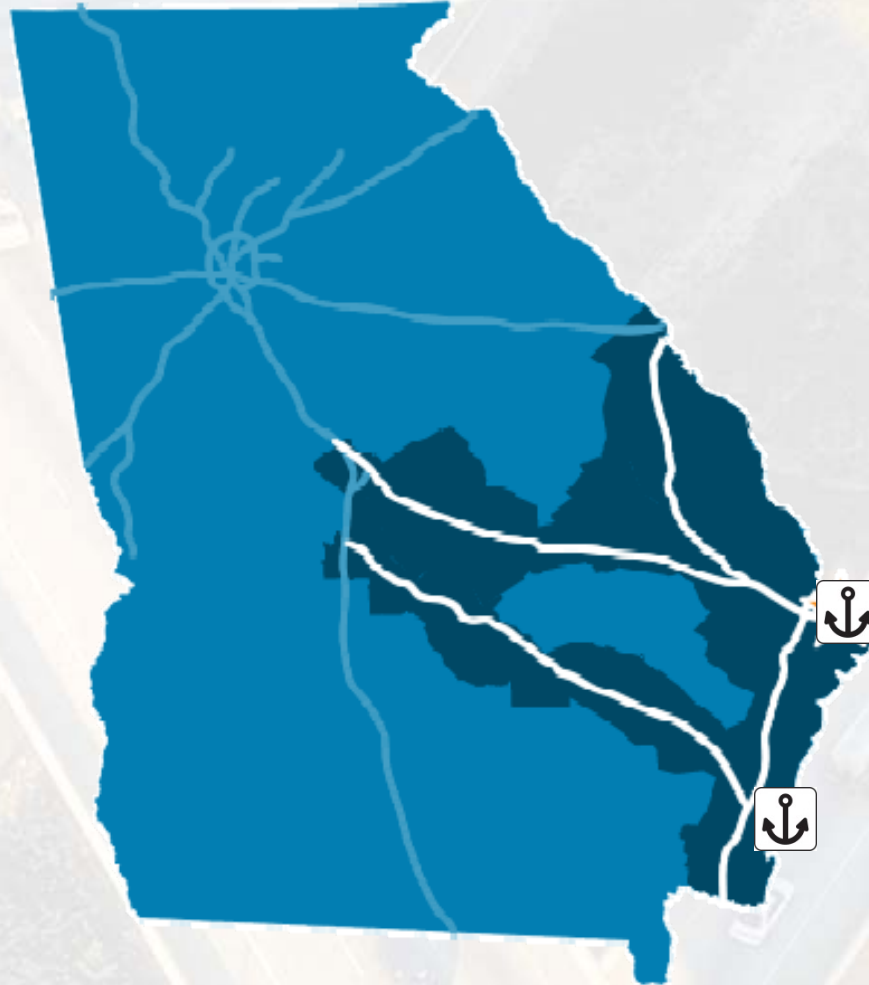
<http://elcaminocorridor.org>

Truck Corridors, By Tonnage (2007)



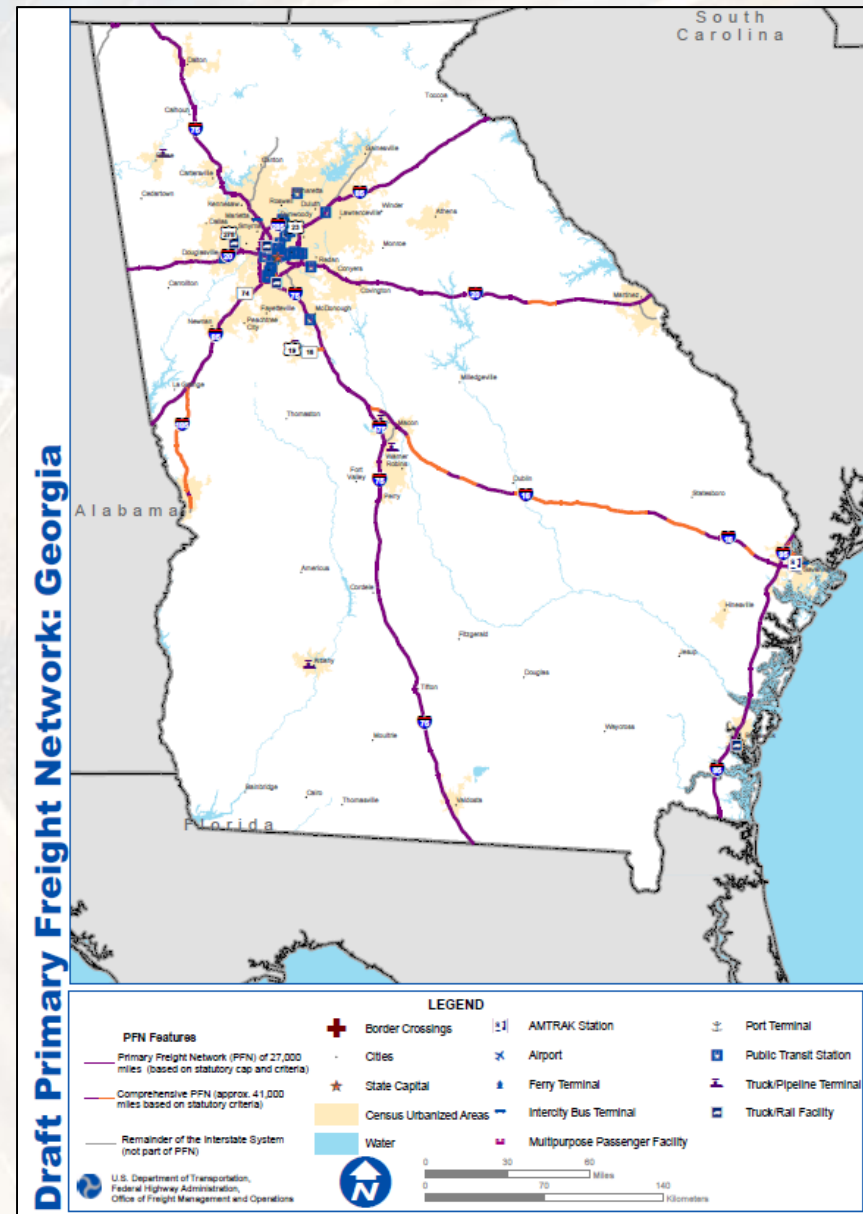
Source: Georgia Dept. of Econ. Devel./ Center of Innovation for Logistics, Transearch

Georgia Ports Authority (GPA) Commercial Corridors



<http://www.gaports.com/siteselection>

USDOT Primary Freight Network (PFN)

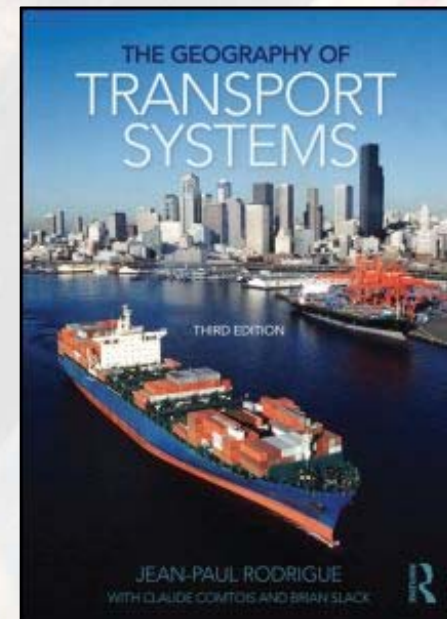


What is a “Corridor”?

“Corridors” come in two main categories:

- **Formal corridors:** They tend to be constructs trying to expand the planning and investment framework of public and private actors along them. On many occasions, a form of governance, or at least a forum, has been set in place.
- **Functional corridors:** They represent an existing structure of flows along some infrastructure. The corridor is thus an operational reality.”

Source: The Geography of Transport Systems



Georgia Statewide Freight & Logistics Action Plan



Investing in Freight-Significant Projects

Georgia Freight and Logistics Action Plan

(adopted Spring 2012)

Governor's Goals – 2012

- Improve the movement of people and goods across and within the state
- Expand Georgia's role as a major logistics hub for global commerce
- Leverage public-private partnerships and improve intergovernmental cooperation for successful infrastructure development
- Reduce injury and loss of life on Georgia's roads

Strategic Transportation Plan...

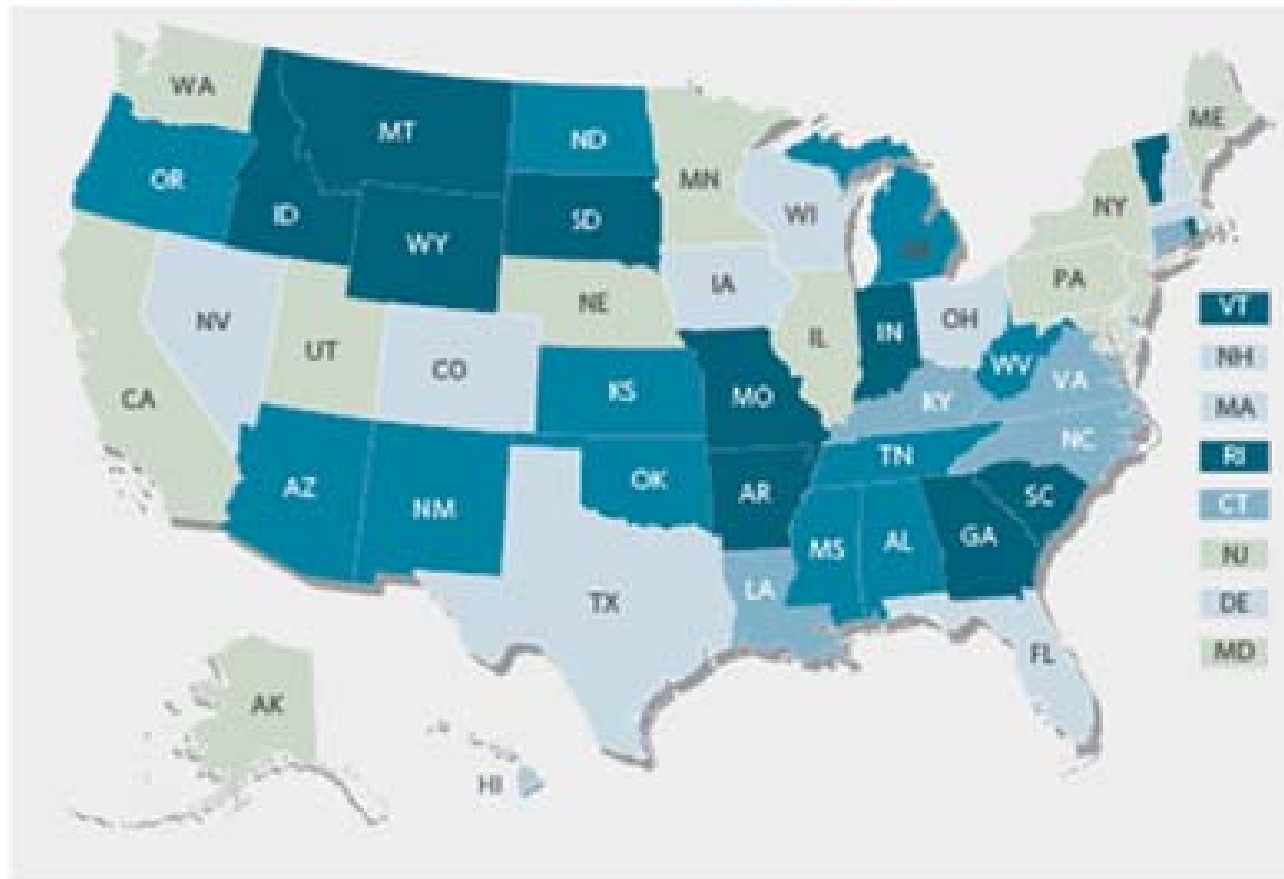


Statewide Strategic Transportation Plan

- Updated in 2013, it sets the strategic direction and “makes the business case” for transportation investment
- Now in the process of being incorporated into the update of the federally-required Statewide Transportation Plan



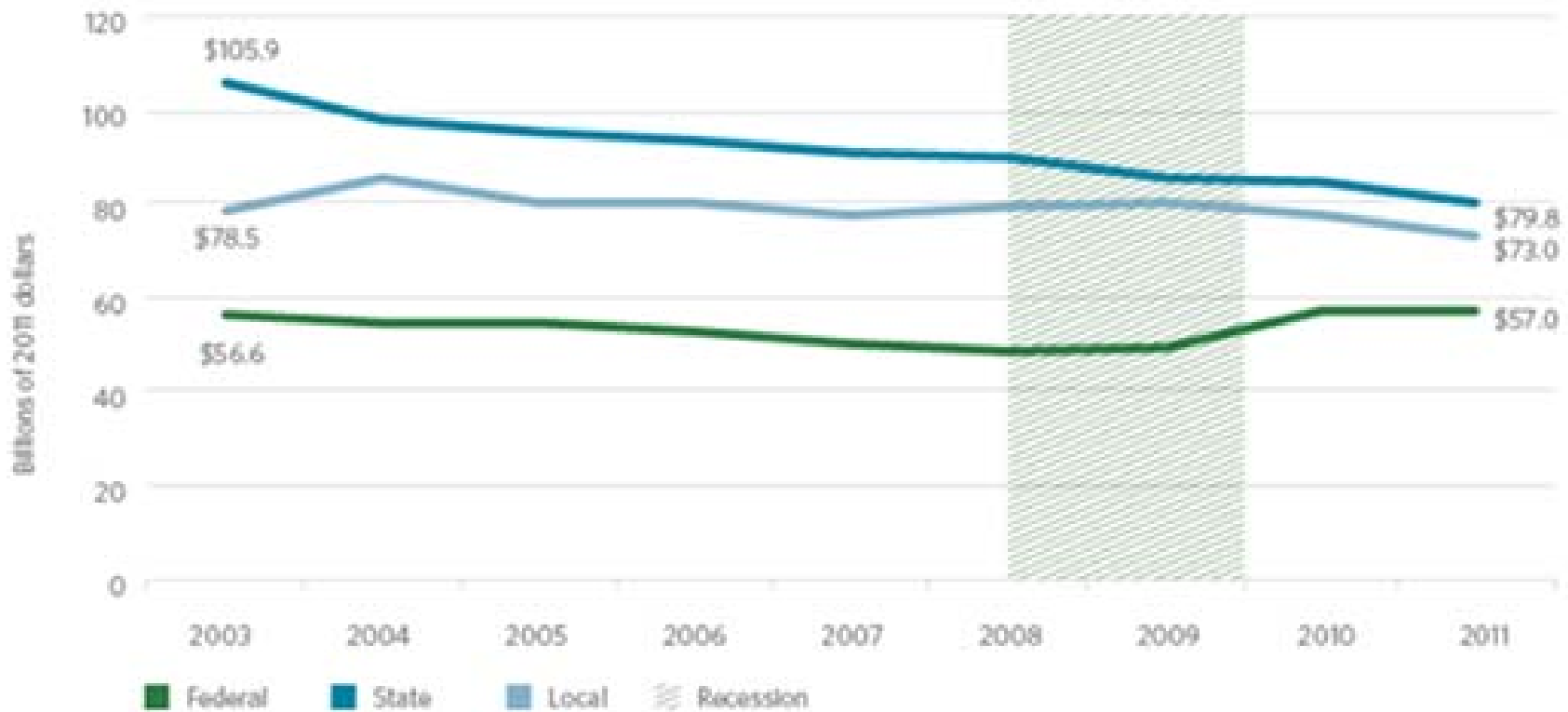
Federal Share of Total State Highway and Transit Funding Varies



Sources: Pew analysis of U.S. Census Bureau's Annual Survey of State and Local Government Finances, data from state fiscal year 2011 (July-June)

Highway and Transit Investment Is Trending Downward

Funding, by level of government

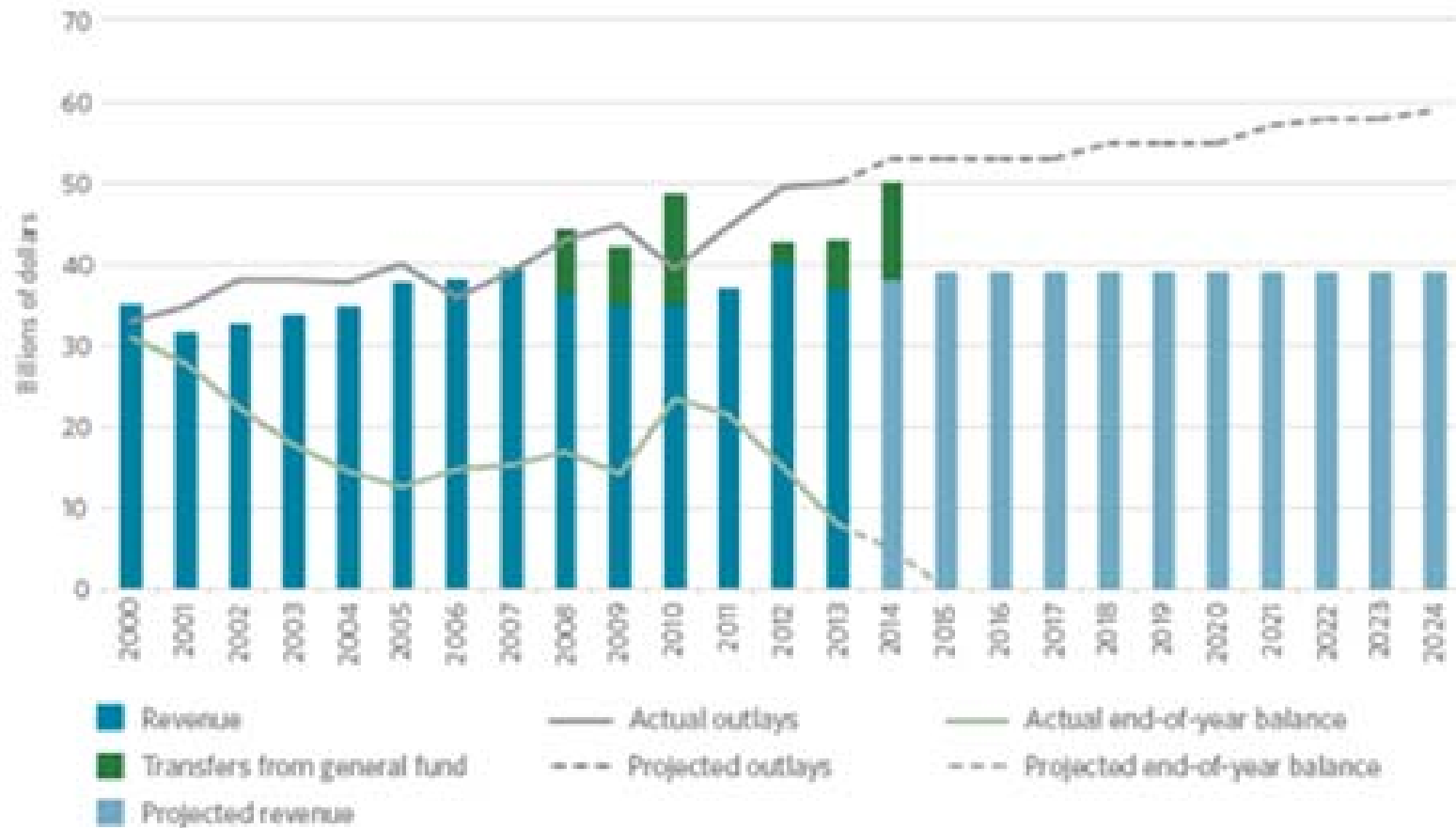


Notes: Federal funding includes funds from the American Recovery and Reinvestment Act. Inflation-adjusted using Bureau of Economic Analysis' price index for state and local government investment in structures (Table 3.9.4, Line 36). Years are state fiscal years (July-June).

Source: Pew analysis of U.S. Census Bureau's Annual Survey of State and Local Government Finances

Highway Trust Fund Faces Growing Shortfalls

Actual and projected revenue and outlays



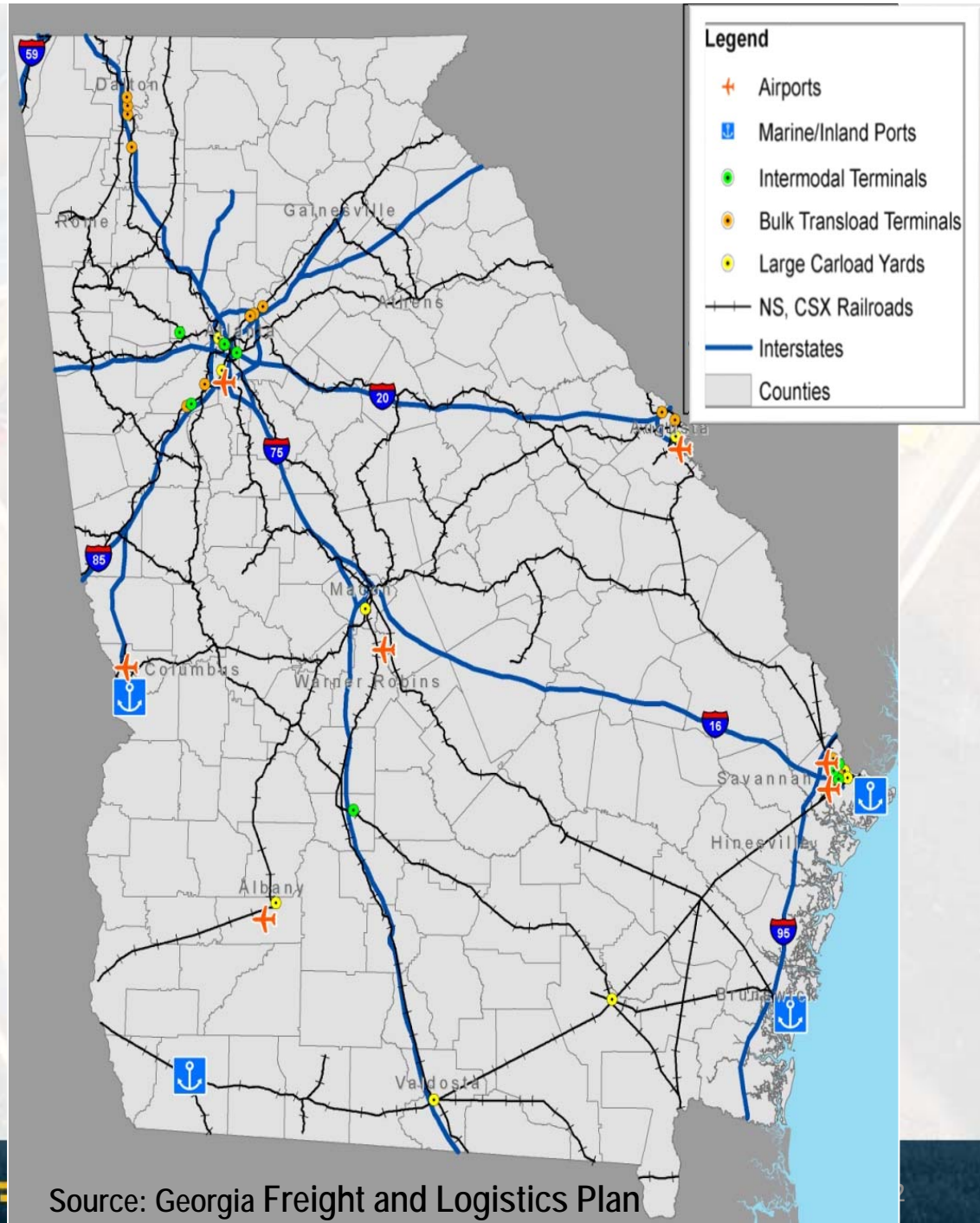
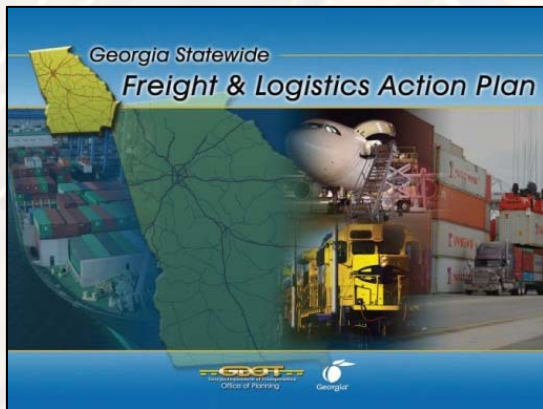
Note: Numbers not adjusted for inflation.

Source: Pew analysis of Congressional Budget Office and Federal Highway Administration data

Funding Levels and Trends in Georgia

- **GDOT deploys \$2+ billion/year to deliver, maintain, and optimize infrastructure**
 - **Federal uncertainty; MAP-21 extension?**
 - **State Motor Fuel is rebounding**
 - **\$853 million (FY 2010); \$1 billion (AFY 2013)**
 - **Public-Private Partnerships (P3), TIFIA, and Intergovernmental Coordination**
- **Georgia Transportation Investment Act (TIA)**
 - **Voter-approved regional sales tax in three regions**
 - **Additional investment on State Freight Corridors**
 - **U.S. 27, State Route 17, and U.S. 1**

Major Freight Assets – Modes and Corridors



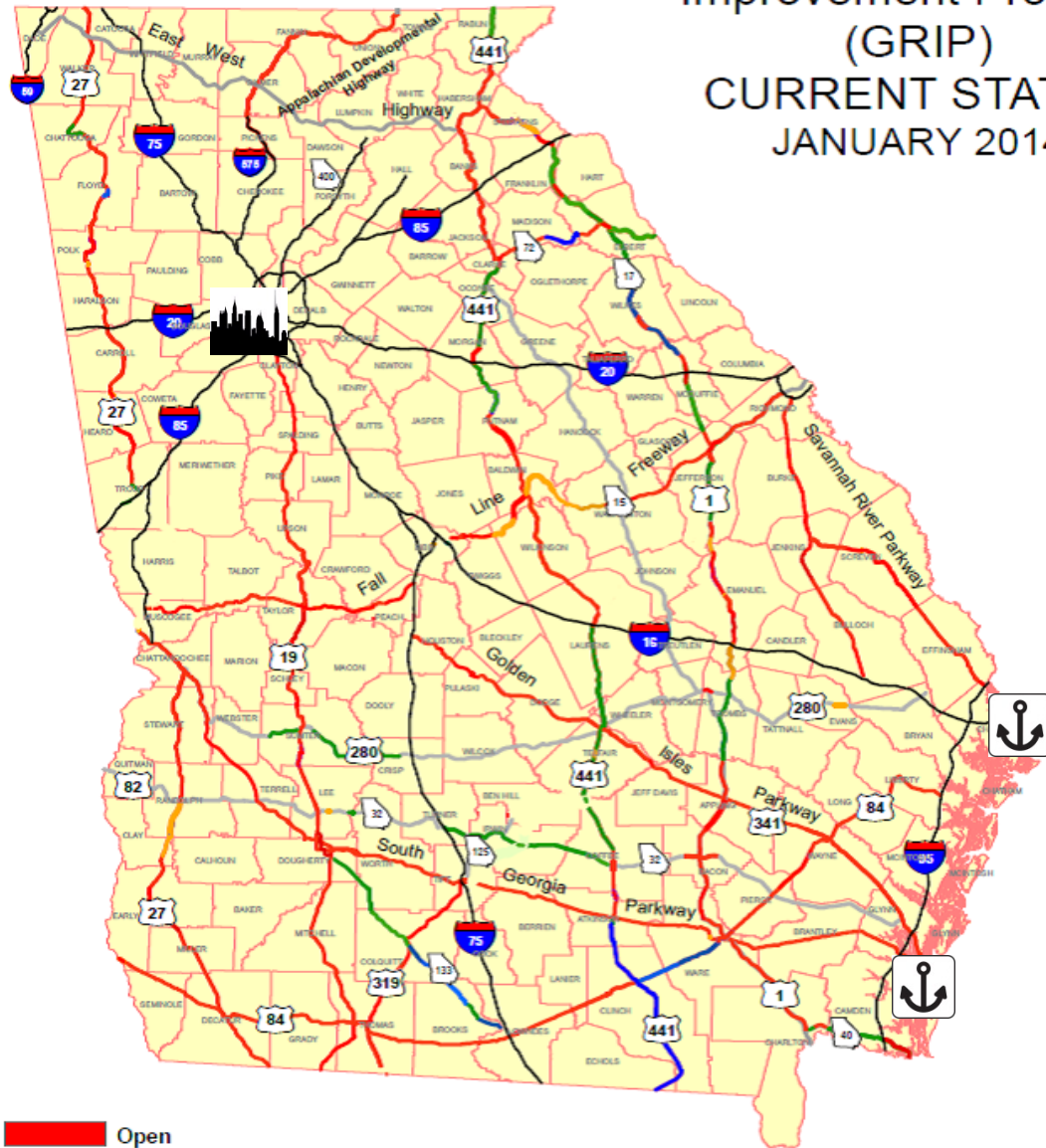
Source: Georgia Freight and Logistics Plan

Governor's Road Improvement Program (GRIP)
CURRENT STATUS
JANUARY 2014

Georgia's GRIP Corridors

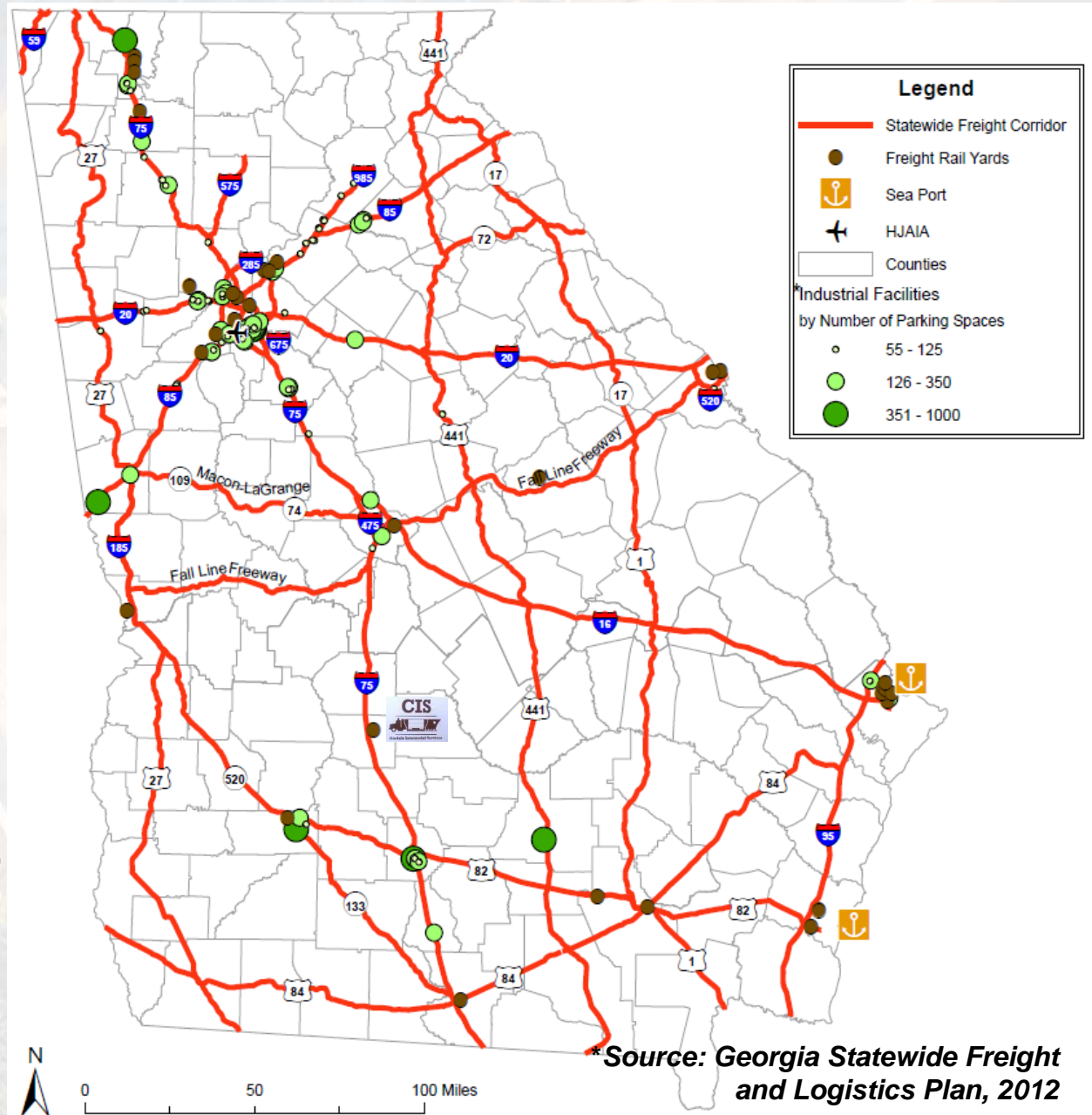
Economic Development Highways:

- Connectivity of 95% of cities with population >2,500...make 98% of state within 20 miles of a four-lane.
- Opportunities for growth: Foster economic development.
- Effective and efficient transportation for the growing statewide population.
- Safety: Accidents occur three times more often on two-lane highways than multi-lane divided highways.



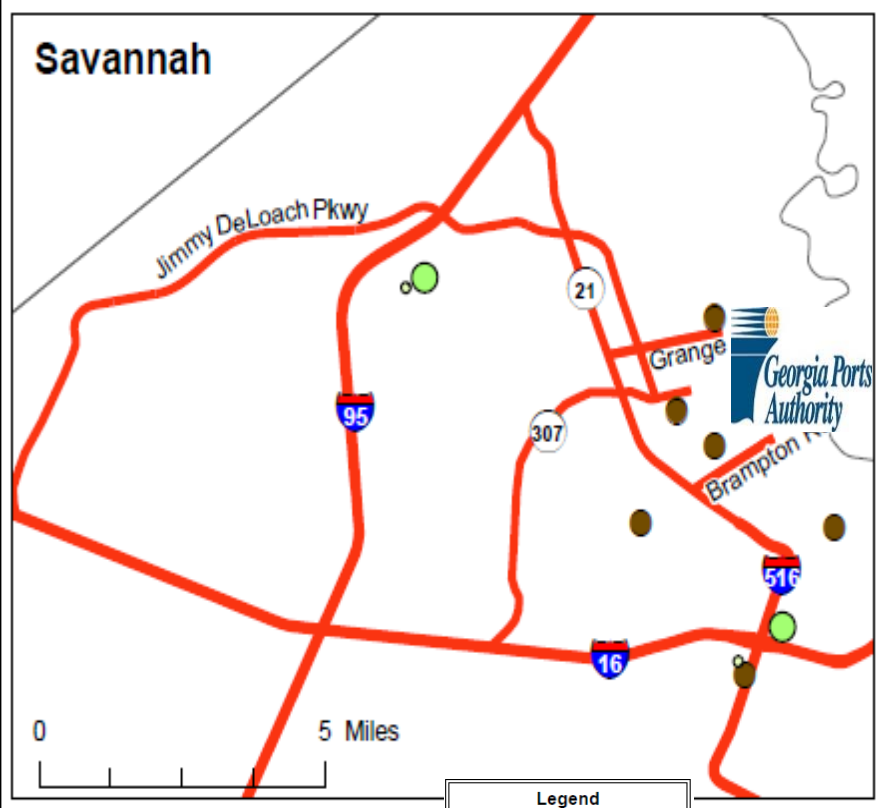
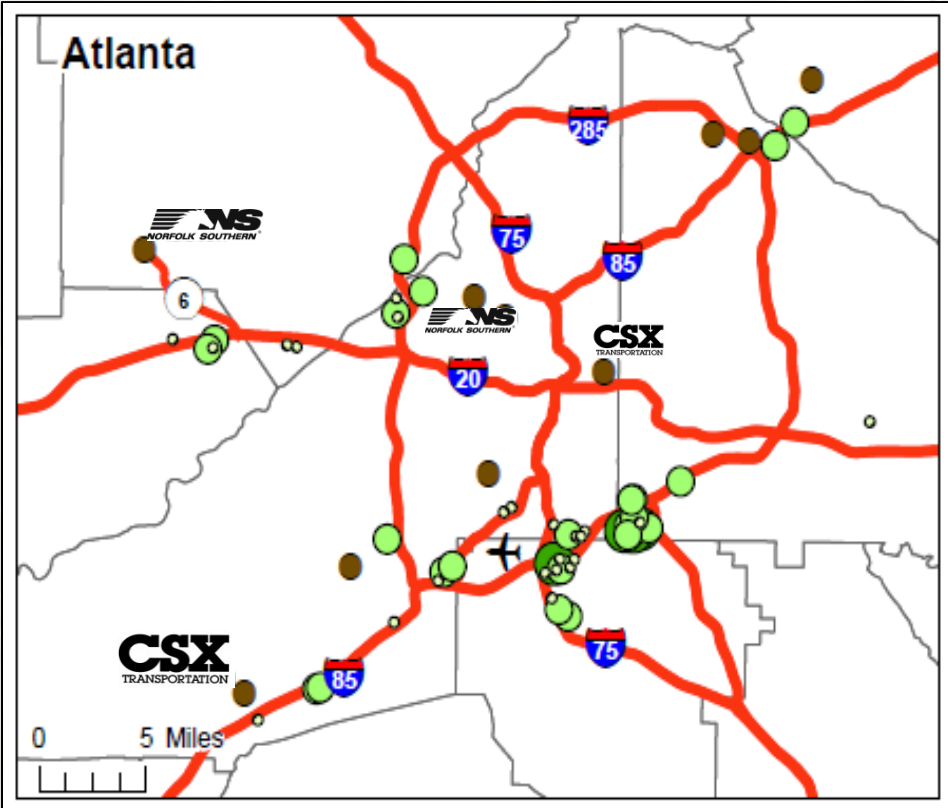
Statewide Designated Freight Corridors

GA House Bill 202



Statewide Designated Freight Corridors

Metro Atlanta and Savannah



Legend

- Statewide Freight Corridor
- Freight Rail Yards
- Sea Port
- HJAJIA
- Counties
- Industrial Facilities by Number of Parking Spaces
 - 55 - 125
 - 126 - 350
 - 351 - 1000

*Source: Georgia Statewide Freight & Logistics Plan, 2012

Current Events.....

Georgia Legislature's Joint Study Committee on Critical Transportation Infrastructure Funding

- Spring 2014 - [HR 1573](#) creates a joint study committee for the purpose of identifying new sources and methods of funding for critical transportation infrastructure needs.
- Multiple public meetings are underway around the State to obtain citizen and stakeholder input are underway.
- The committee will make recommendations to the Legislature by November 30, 2014.

THANK YOU

*Tom McQueen, AICP
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Georgia Department of Transportation*

*For more information:
www.dot.ga.gov/freight*