

Georgia State Rail Plan Introduction

Public Meeting Presentation

August 12-14, 2014

Dalton, Atlanta, and Valdosta



Presentation Outline

- What is a State Rail Plan?
- Outreach activities
- Existing rail system
- Trends and forecasts
- Needs and opportunities

Presentation Outline (cont.)

- Passenger proposals
- Freight proposals
- Next steps
- Your comments
 - Modify proposed projects?
 - Suggest policy recommendations?

What Is a State Rail Plan?

- Articulates passenger and freight rail vision for a state
 - Vision needs to be grounded in what state stakeholders need and want from their systems
- Specifies long-term investment strategies, program of improvements
- Identifies benefits of improvements
 - Benefits used to prioritize investments

Draft Rail Vision

A safe and energy efficient state rail system that enables the economic wellbeing of Georgians by expanding access and enhancing mobility for people and goods in an environmentally sustainable manner.

Draft Rail Goals

- Enhance safety and security
- Provide reliable/**enhanced** passenger system
- Develop energy efficient and environmentally sustainable rail system
- Preserve and improve existing infrastructure
- Enhance economic development and competitiveness
- Promote and expand intermodal connectivity

Outreach Activities

- Public meetings in April and August
- On-line survey on GDOT website
- Outreach to railroads
- Stakeholder Workshop in May
- Environmental Justice interviews in May and June
- Rail shipper interviews in June and July
- Quarterly Steering Committee meetings

Stakeholder Feedback

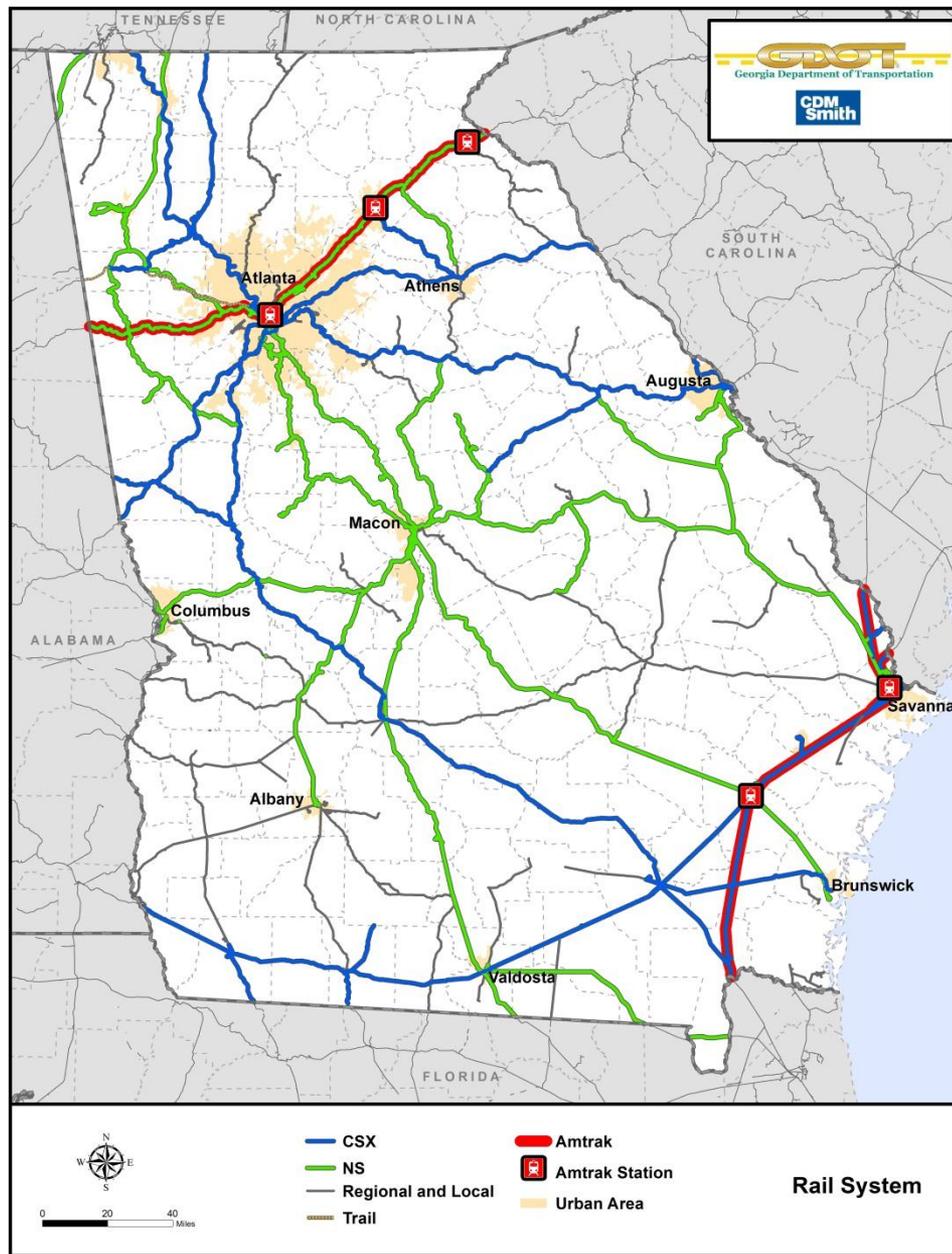
- Preserve strategic rights-of-way
- Leverage federal and internal funding sources
- Promote and enhance safety
- Expand rail planning with other state and local agencies and with neighboring states
- Expand data collection on hazmat, crossing hazards, and traffic flows

Stakeholder Feedback (cont.)

- Develop a passenger rail marketing program
- Improve and expand intercity passenger rail
- Update commuter rail plan, emphasizing an incremental approach
- Encourage goods movement by rail, while maintaining environmental sustainability

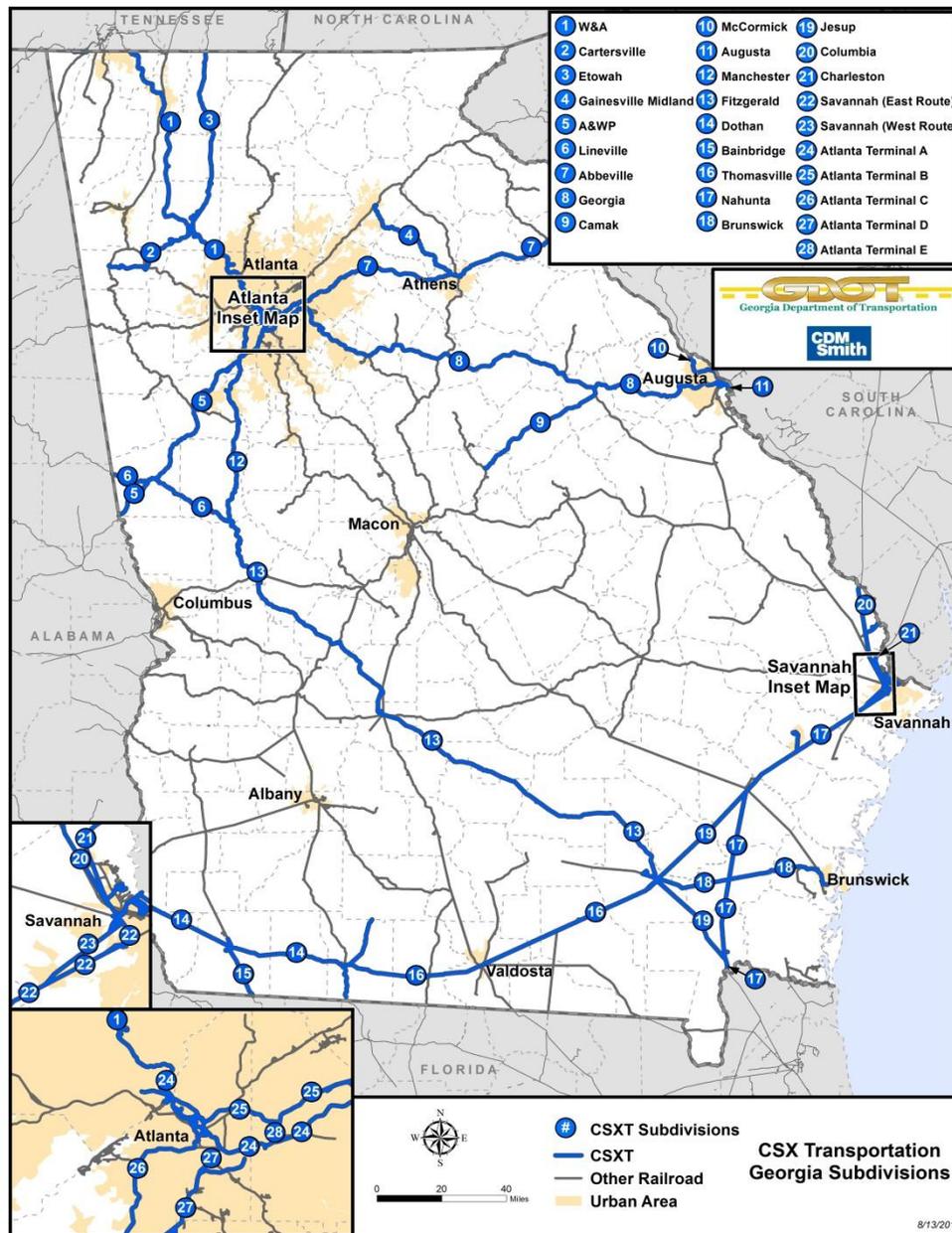
Existing Rail System

4,651 miles



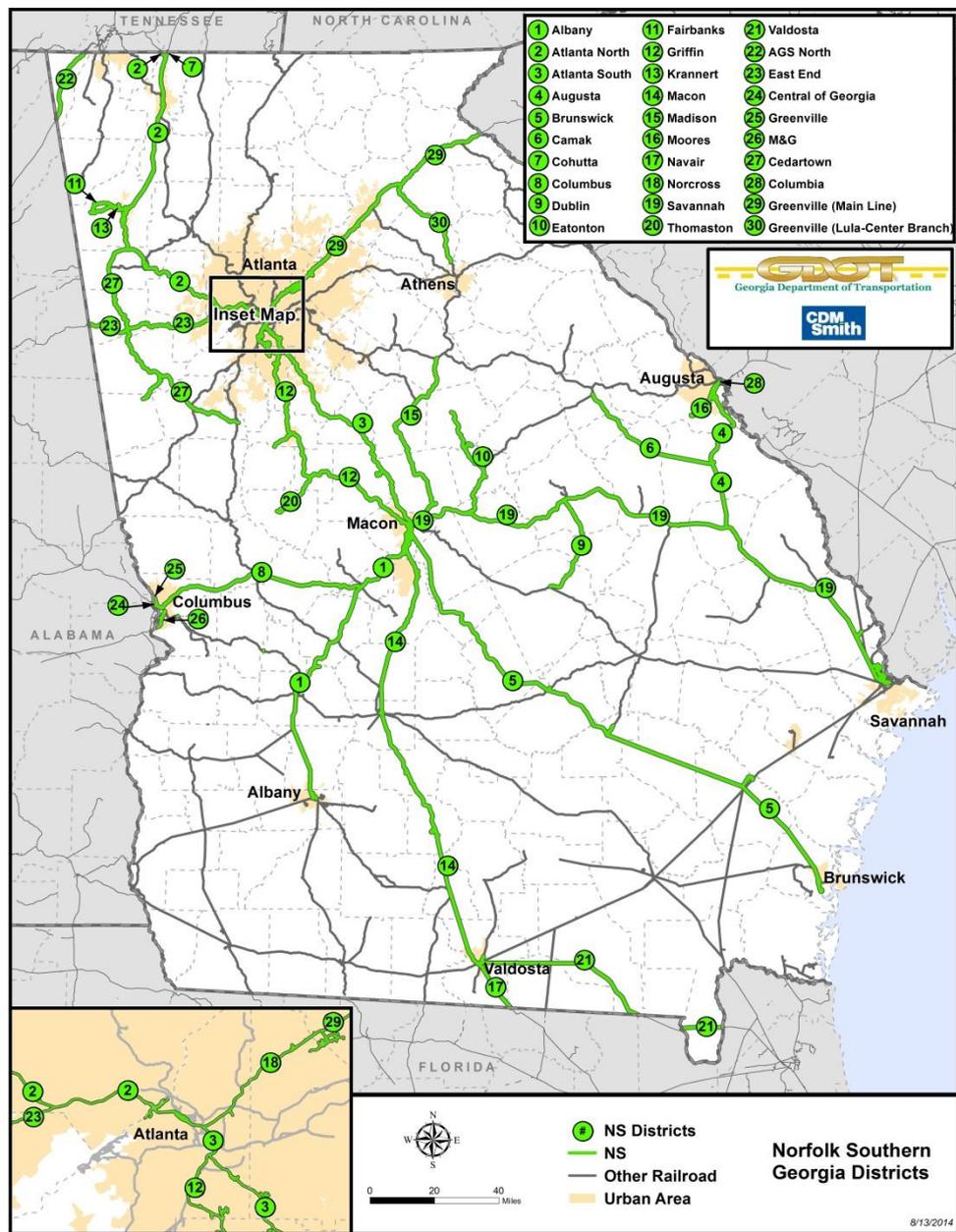
CSXT

1,567 miles



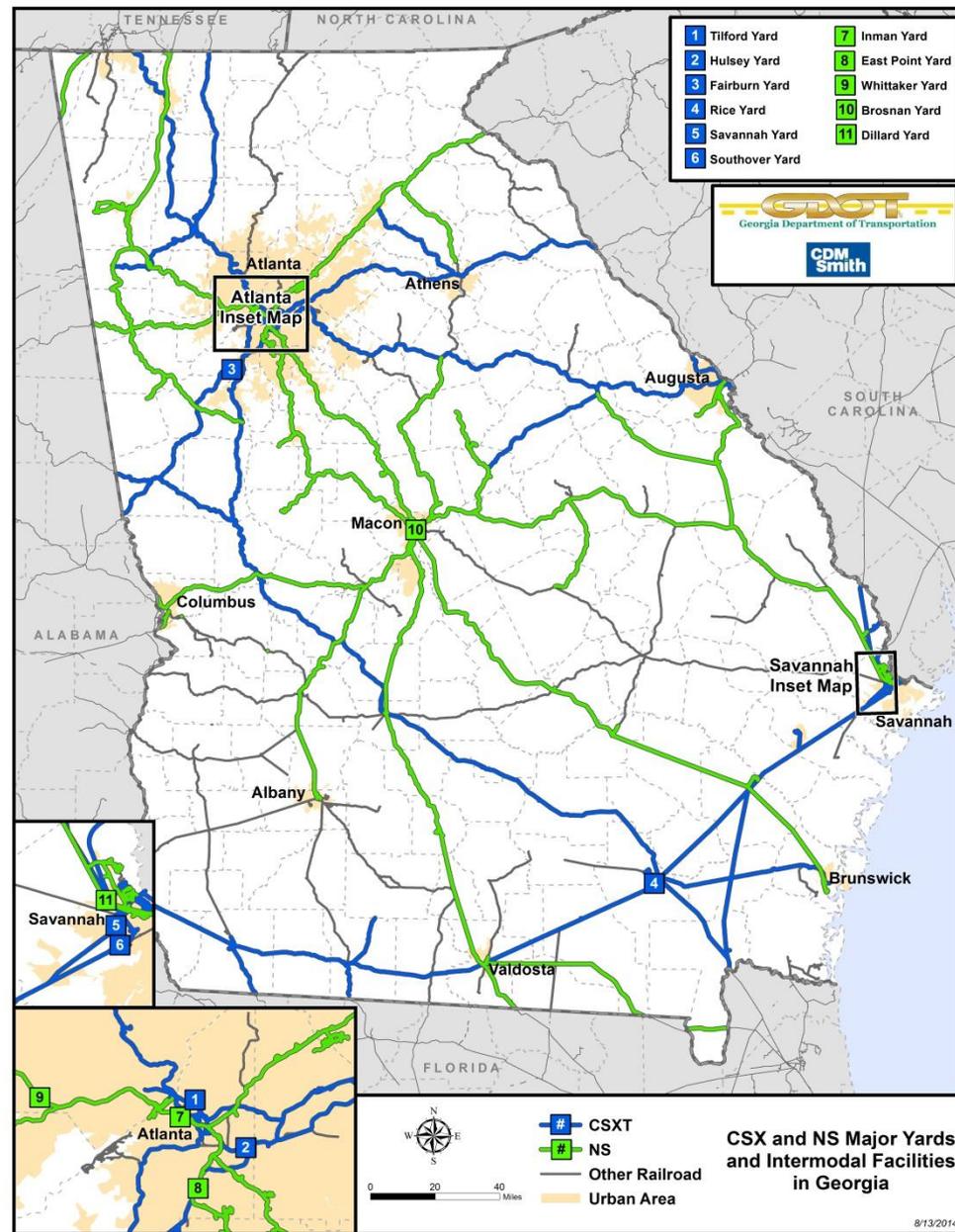
NS

2,064 miles



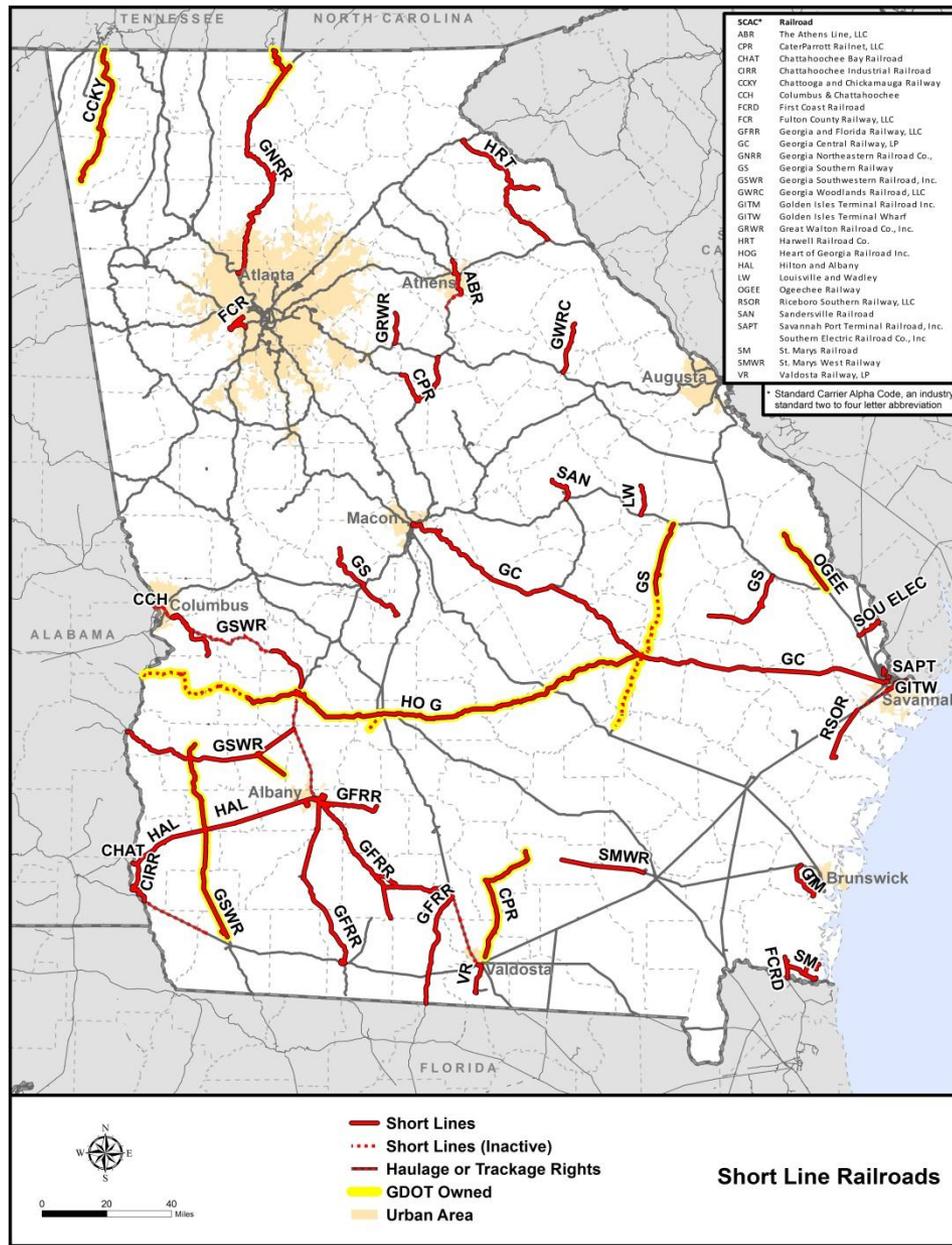
CSXT and NS Major Yards

11 major yards and intermodal facilities



Short Line Railroads

29 lines and
529 miles



Amtrak

4 services

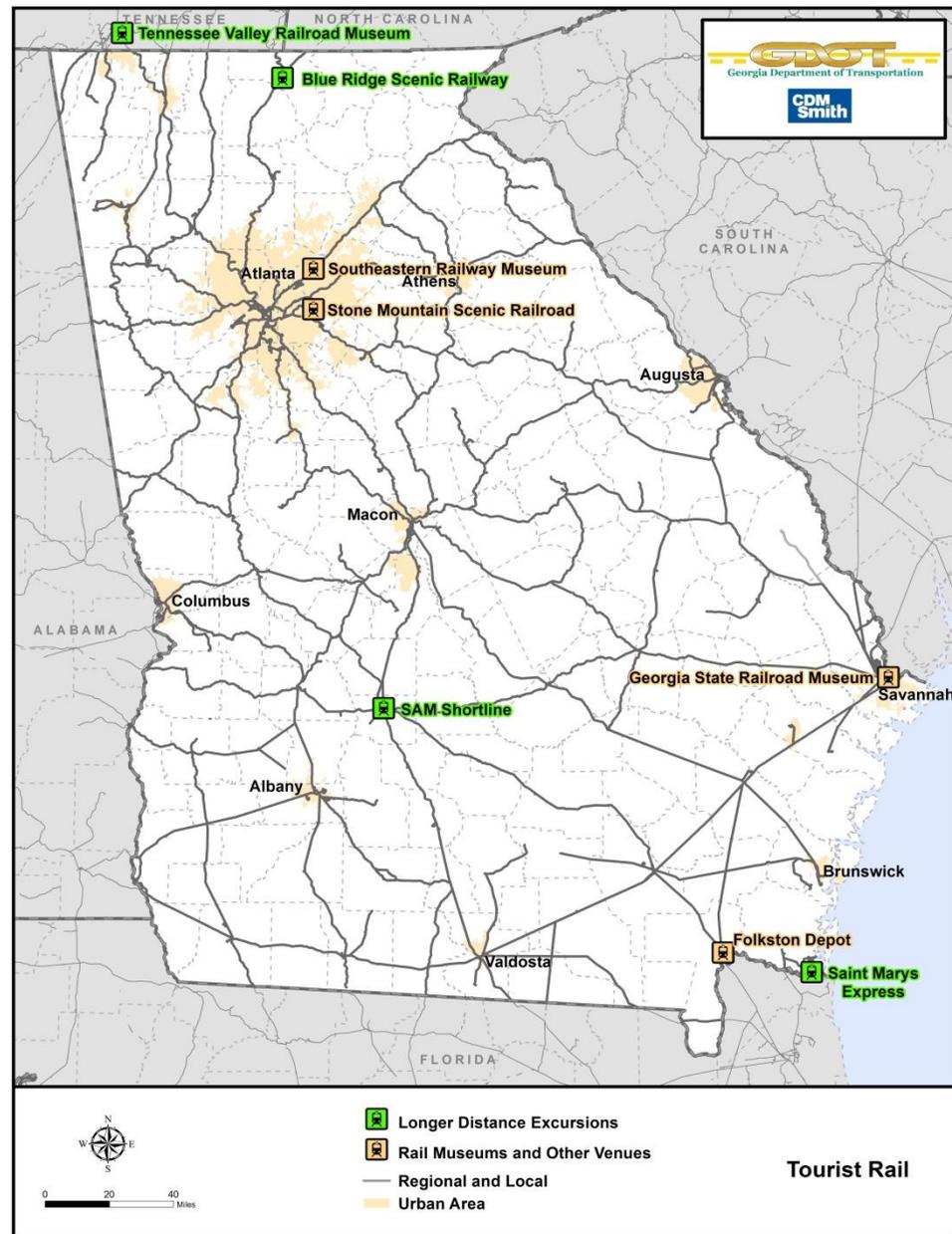
5 stations

Amtrak's Crescent and Atlantic Coast Services



Tourist Railroads

(8 excursions and museums)



Port-Rail Connections

- Port of Savannah
- Port of Brunswick
- Port of Columbus
- Port of Bainbridge
- Cordele Intermodal Center

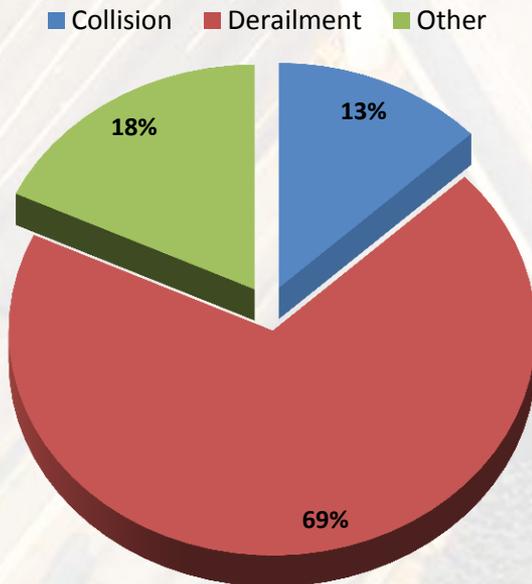


Source: Mi-Jack Products, Inc., product web site

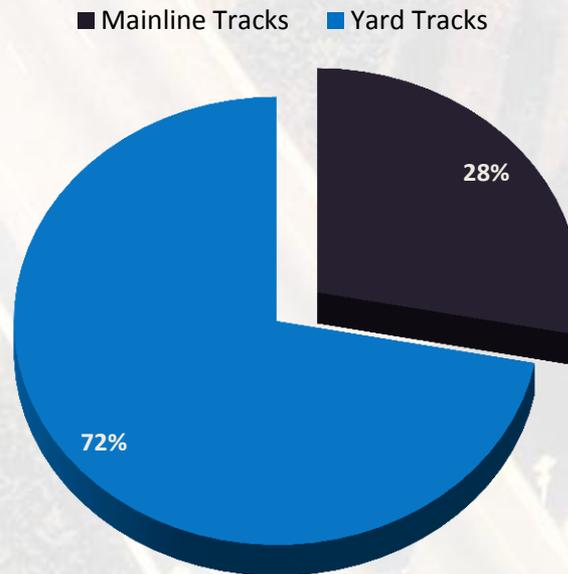
Train Accidents in Georgia

- 46 accidents in 2013, compared to 90 in 2004
- 2004-2013 breakout:

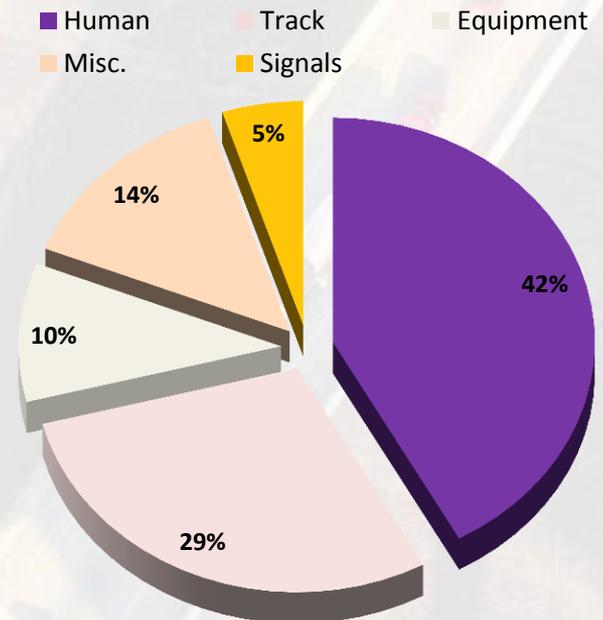
Train Accident Type



Train Accident Locations



Train Accident Causes



Source: FRA Accident Database

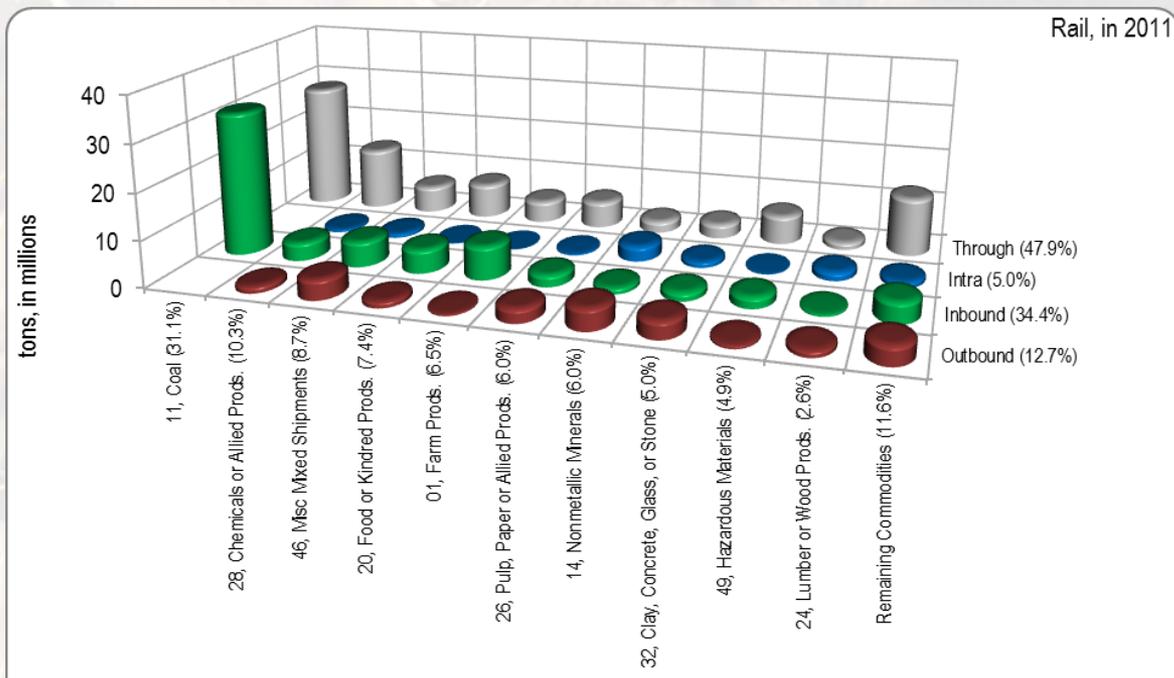
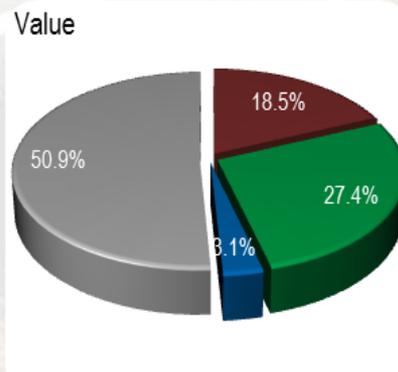
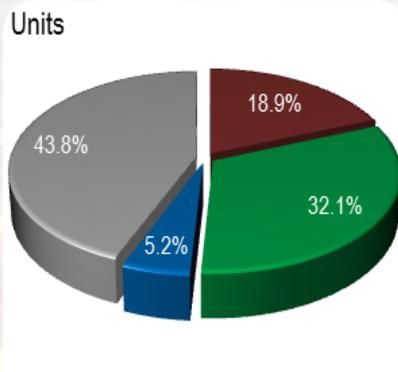
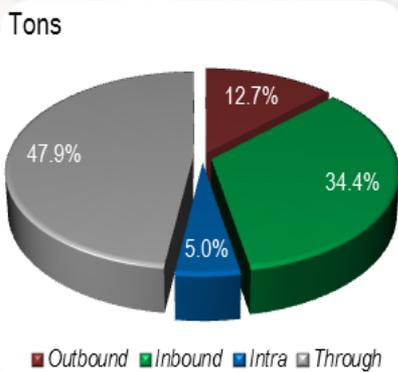
Rail Freight Flows

Rail Movements by Direction (2011)

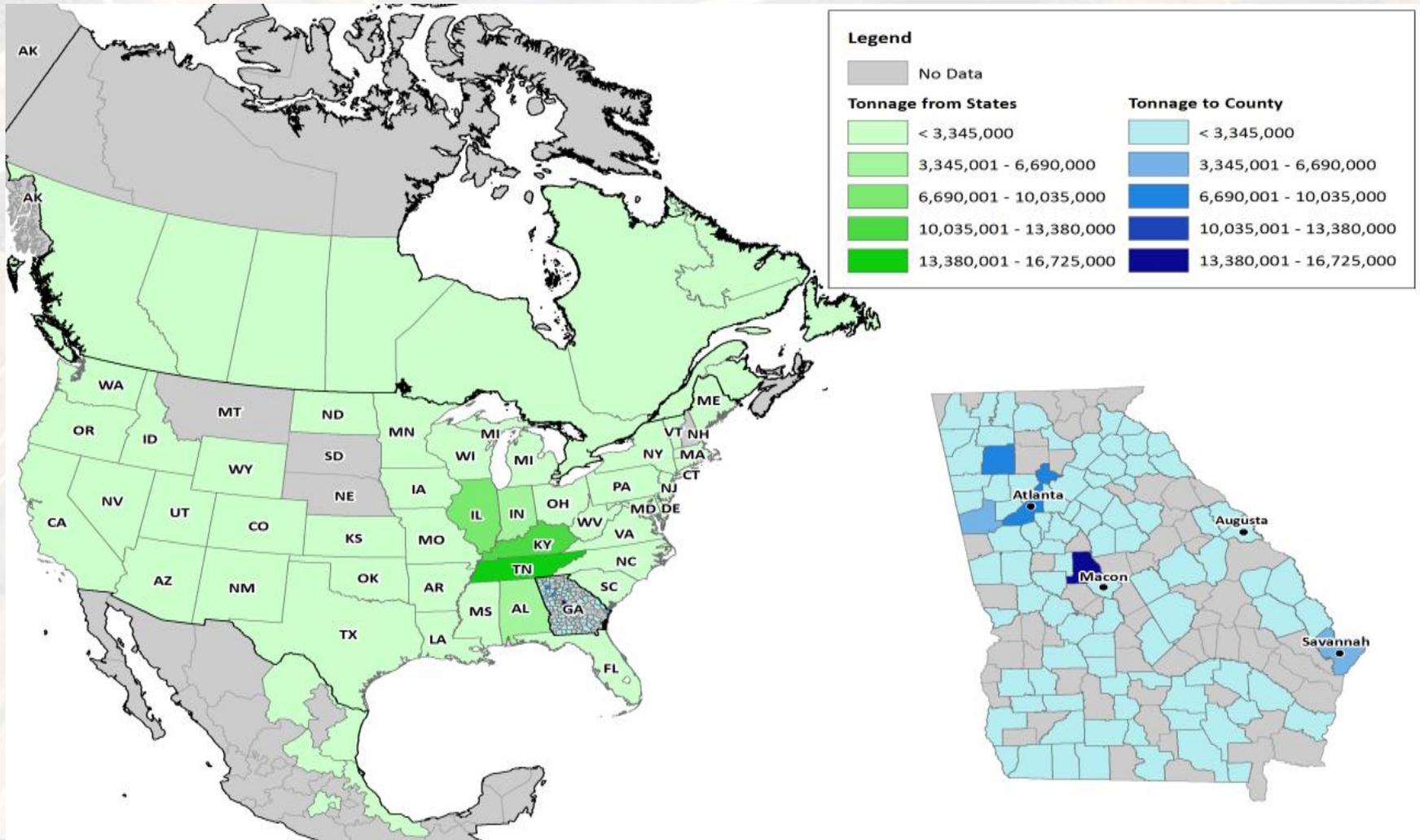
| Direction | Tons | | Units | | Value (in millions) | | Average Value/Ton |
|-------------------|-------------|---------|-----------|---------|---------------------|---------|-------------------|
| | Amount | Percent | Amount | Percent | Amount | Percent | |
| Outbound | 24,058,321 | 12.7% | 745,958 | 18.9% | \$37,685 | 18.5% | \$1,566 |
| Inbound | 65,070,632 | 34.4% | 1,264,359 | 32.1% | \$55,773 | 27.4% | \$857 |
| Intrastate | 9,456,331 | 5.0% | 206,953 | 5.2% | \$6,273 | 3.1% | \$663 |
| Through | 90,620,375 | 47.9% | 1,726,851 | 43.8% | \$103,499 | 50.9% | \$1,142 |
| Total | 189,205,659 | 100.0% | 3,944,121 | 100.0% | \$203,229 | 100.0% | \$1,074 |

Source: prepared by CDM Smith, based on the STB Waybill Sample data for 2011

In Tons, Units and Value



Inbound Tons



Rail Economic Impacts in Georgia

- **Employment:** 672,630 jobs, combined direct employment, shipper and rail visitor impacts
- **Income:** \$32.2 billion earned by these total impacted employees
- **Value-Added:** \$54.1 billion, combined value added impact

Source: CDM Smith using IMPLAN

Georgia Trends and Forecasts

- **Population:** 10.0 M in 2013 to 14.9 M in 2040
- **Employment:** 4.1 M in 2014 to 5.6 M 2040
- **Personal income:** \$38,179 per capita 2013, below the national average of \$44,543
- **Industrial outlook:** Freight rail traffic will increase 14.7% from 2011 to 2040
- **Passenger outlook:** passenger traffic will increase 69.6% from 2013 to 2040

Source: US Census, Georgia Department of Labor, US Bureau of Economic Analysis, CDM Smith

Freight Rail Forecast

Rail Tonnage Forecast Summary (2011-2040)

| Direction | 2011 | | 2040 | | Change | | |
|------------|-------------|---------|-------------|---------|-------------|--------|-------|
| | Amount | Percent | Amount | Percent | Amount | Total | CAGR |
| Outbound | 24,058,321 | 12.7% | 25,305,097 | 11.7% | 1,246,776 | 5.2% | 0.2% |
| Inbound | 65,070,632 | 34.4% | 51,086,413 | 23.5% | -13,984,219 | -21.5% | -0.9% |
| Intrastate | 9,456,331 | 5.0% | 9,946,387 | 4.6% | 490,056 | 5.2% | 0.2% |
| Through | 90,620,375 | 47.9% | 130,719,032 | 60.2% | 40,098,657 | 44.2% | 1.3% |
| Total | 189,205,659 | 100.0% | 217,056,929 | 100.0% | 27,851,270 | 14.7% | 0.5% |

Source: CDM Smith use of FAFv3.5 forecasts and year 2012 WS

Passenger Rail Forecast

Intercity Ridership Forecast in Georgia by Station

| Station | 2013 | 2015 | 2030 | 2040 | Growth / Year |
|--------------|----------------|----------------|----------------|----------------|---------------|
| Toccoa | 4,266 | 4,438 | 6,040 | 7,418 | 2.10% |
| Gainesville | 6,464 | 6,725 | 9,768 | 12,528 | 2.50% |
| Atlanta | 99,005 | 103,005 | 142,156 | 176,212 | 2.20% |
| Savannah | 71,658 | 74,553 | 96,352 | 114,320 | 1.70% |
| Jesup | 10,692 | 11,124 | 14,192 | 16,693 | 1.70% |
| Total | 194,098 | 201,860 | 270,538 | 329,211 | 1.98% |

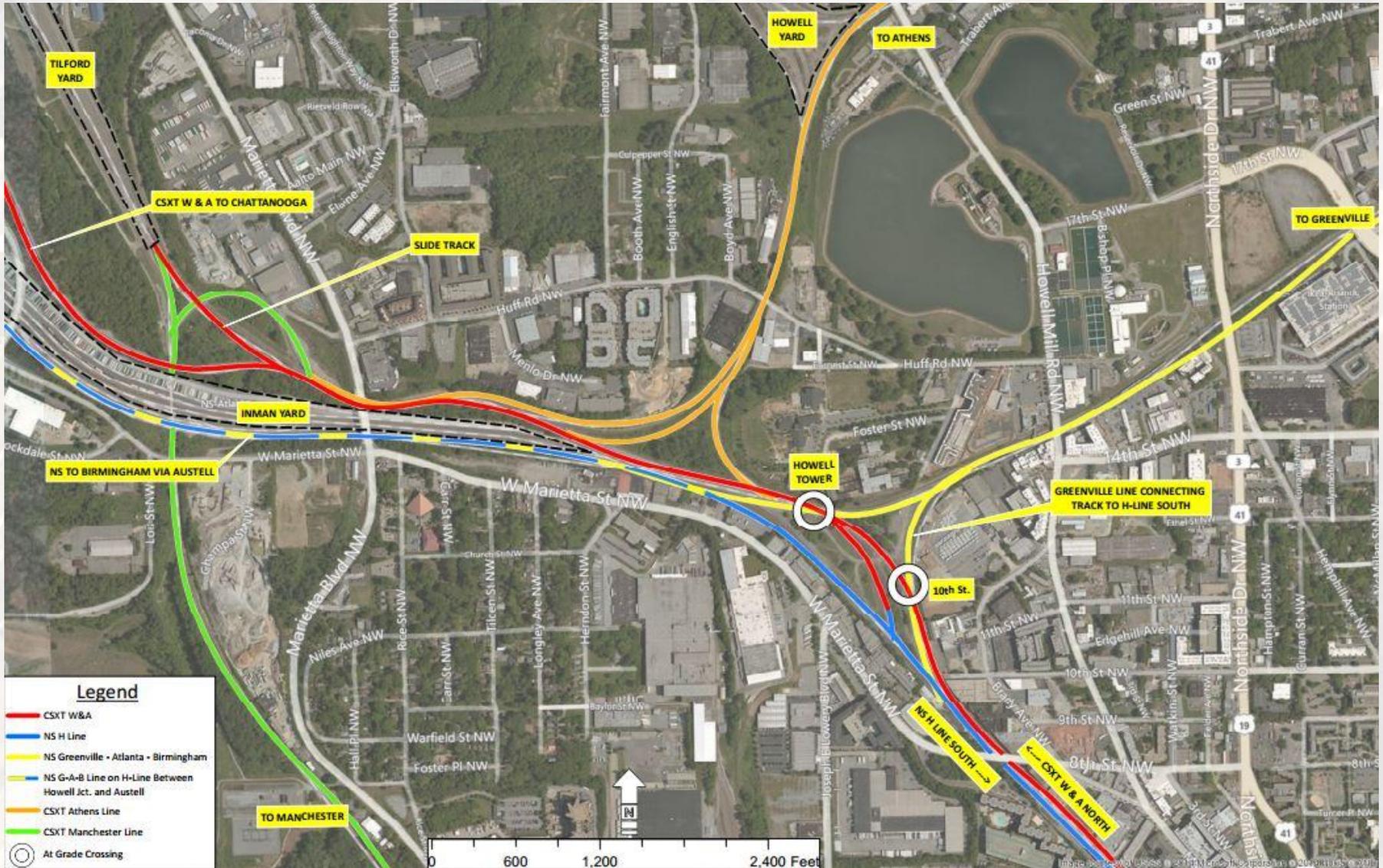
Source: CDM Smith using state population forecasts by county

Rail Line Congestion

- Potential found for congestion on four CSXT subdivisions
 - Lines running from Alabama northeast to Atlanta and southeast to Florida
- Recurring congestion at Howell Junction

Source: CDM Smith Analysis

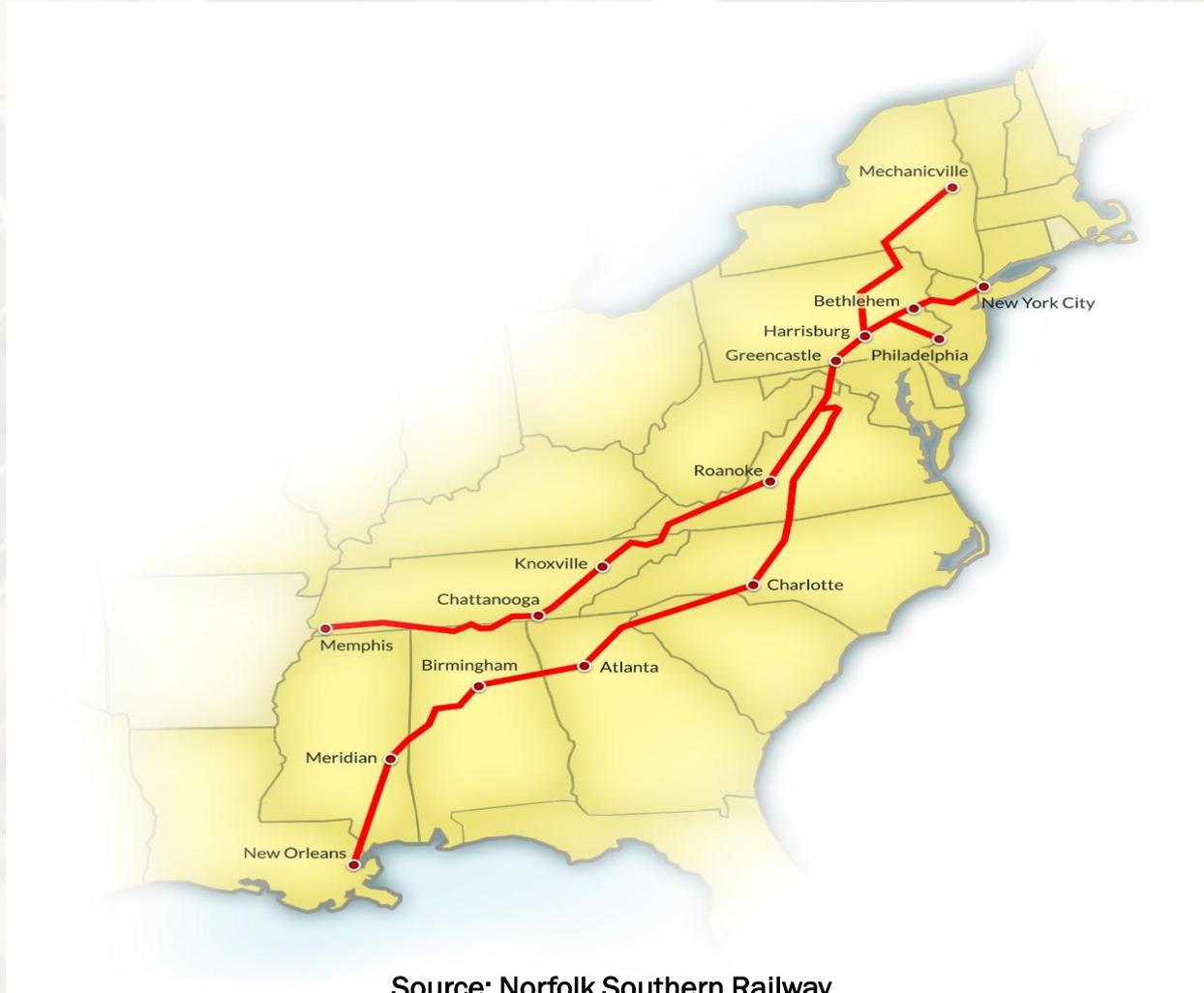
Howell Junction



Needs and Opportunities

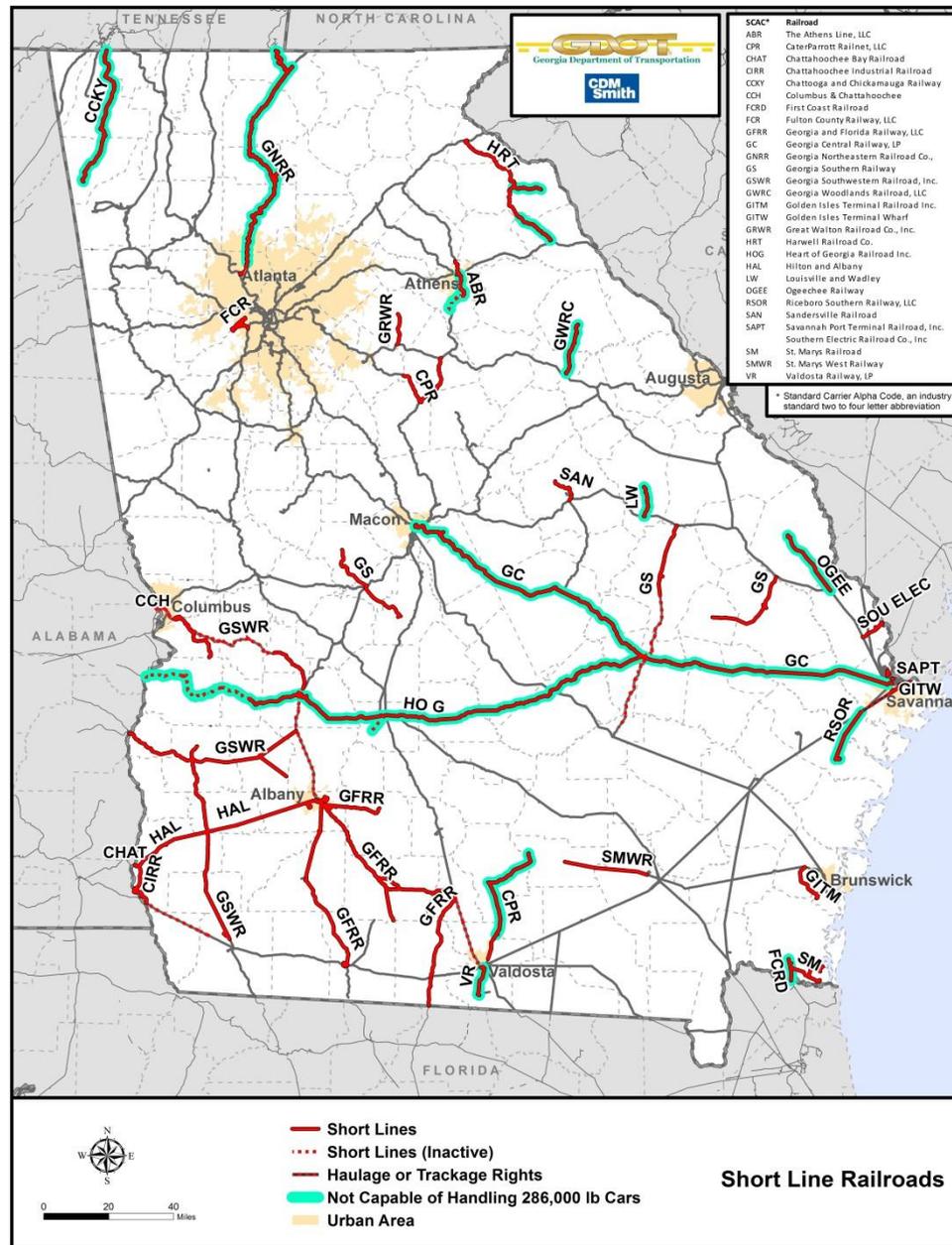
- Priority freight corridors
- Capacity constraints
- Positive Train Control
- Short line needs
- Port-rail needs
- Amtrak station needs
- Enhanced passenger rail

Norfolk Southern's Crescent Corridor



Source: Norfolk Southern Railway

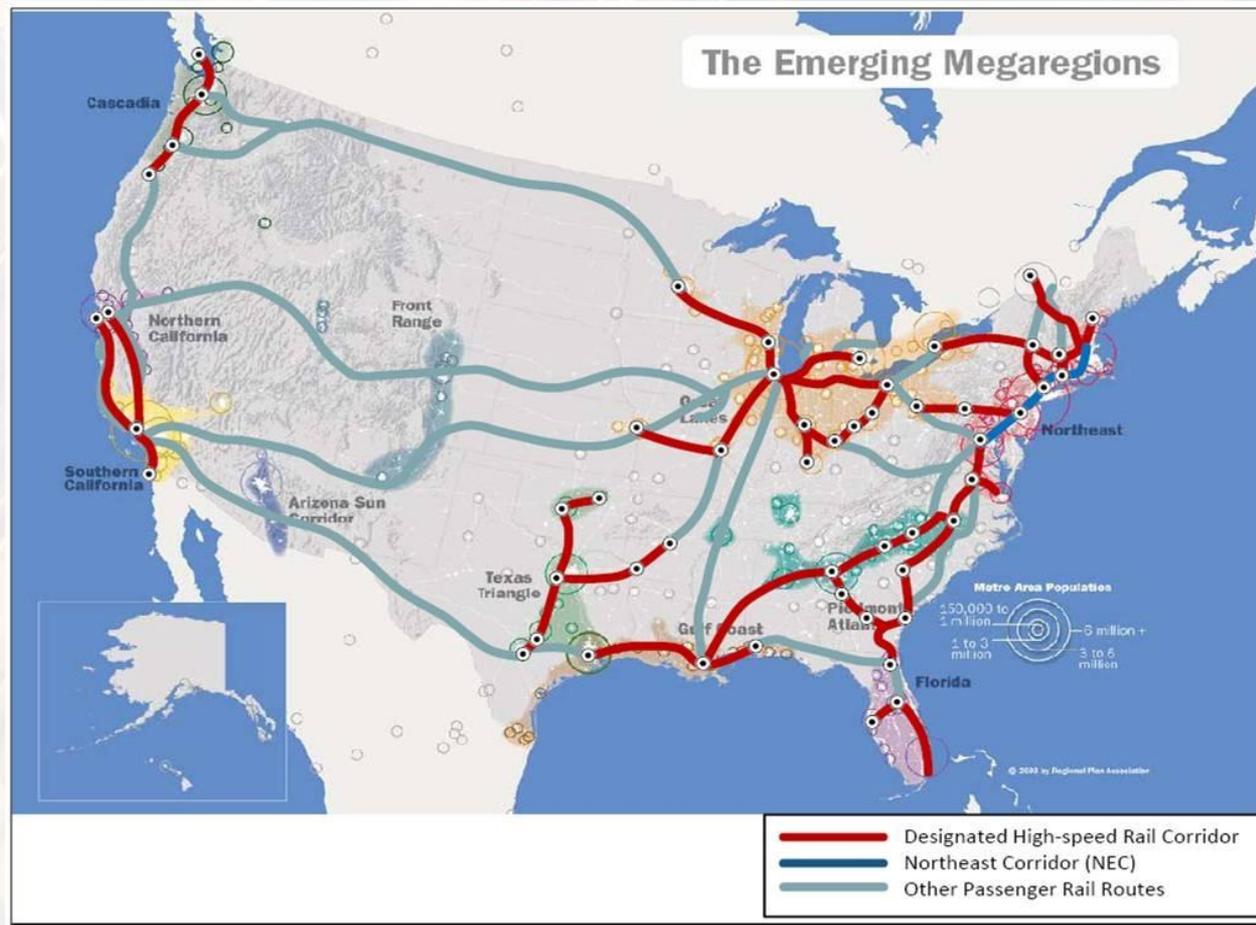
Short Lines Upgrade Needs



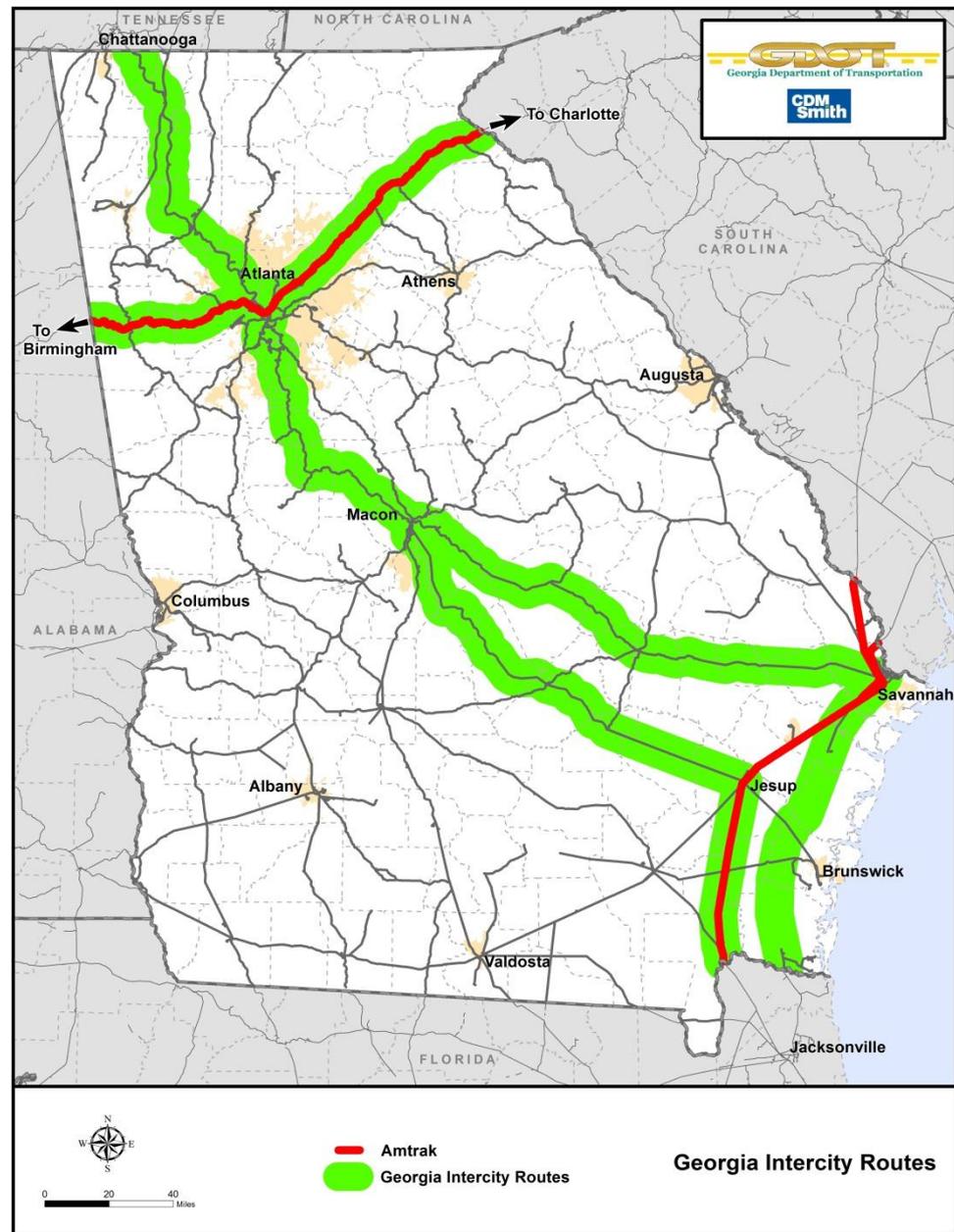
Amtrak Station Needs



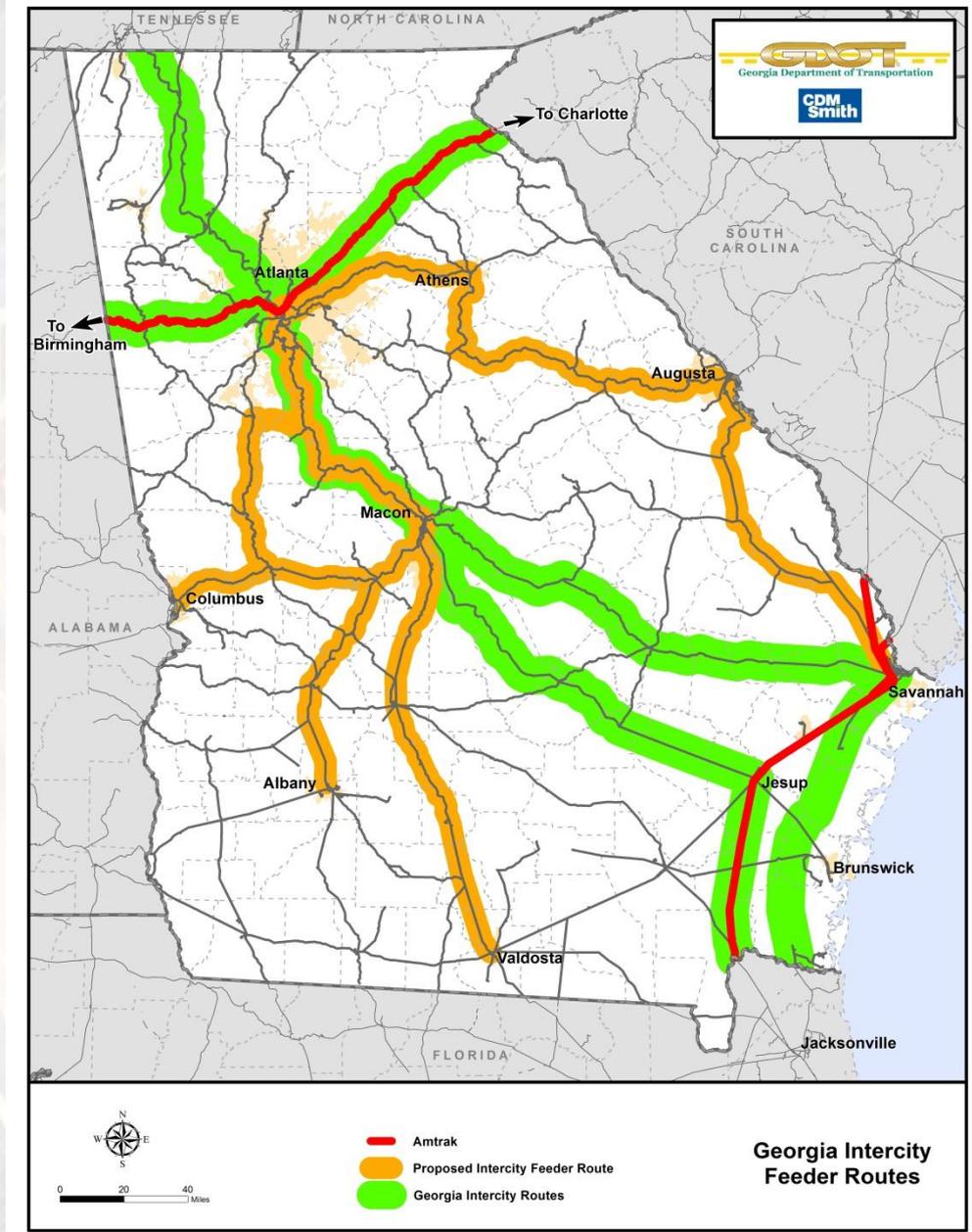
Faster Trains Linking Megaregions



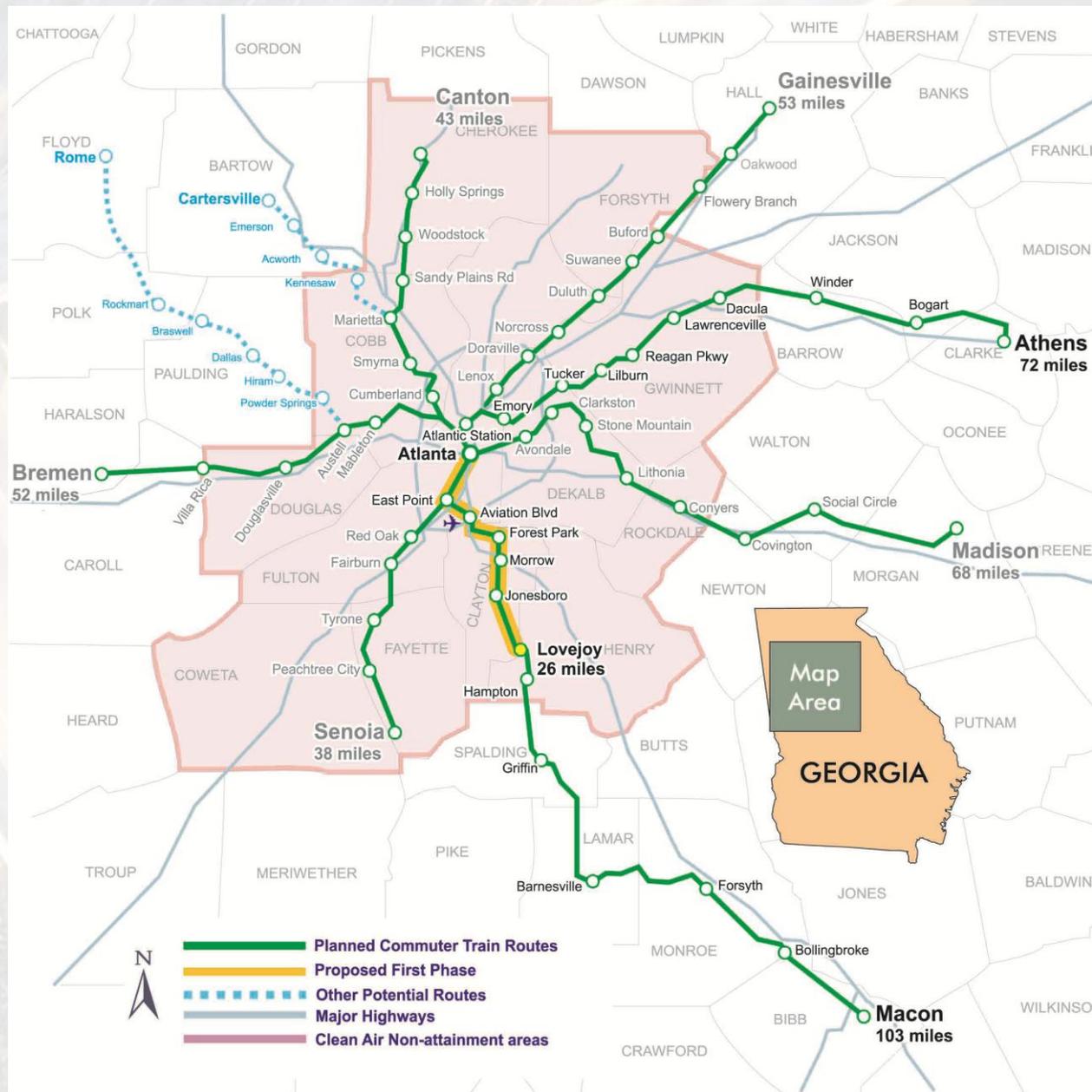
Passenger Rail Proposals: Intercity routes



Passenger Rail Proposals: Intercity routes with feeder routes



Potential Commuter Rail Routes



Tourist Railroads

- Must position themselves for the future
 - Explain what railroads meant and their impact
 - Provide for economic development
 - Introduce youth to the railroad industry
 - Investigate partnerships with CSXT and NS to:
 - Develop potential new hires for the Class Is
 - Provide opportunities to enhance rail safety and education

Freight Rail Proposals

- ***CSXT Projects:*** multiple capacity projects on 4 subdivisions
- ***NS Projects:*** TBD
- ***Regional, detailed rail capacity study:*** address bottlenecks and congestion
- ***Short line upgrades:*** track and bridges
- ***Port-rail upgrades:*** leads, storage track, etc.
- ***Crossing improvements:*** 35 projects by 2015

Comments and Questions?

- Modifications to passenger and freight rail proposed projects?
- Suggestions for policy recommendations?

Next Steps

| Major Tasks | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. |
|-----------------------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| Project Kickoff | ● | | | | | | | | | | | |
| Rail Planning in Georgia | | ■ | ■ | | | | | | | | | |
| Rail System Inventory | | ■ | ■ | ■ | | | | | | | | |
| Public Meetings Round 1 | | | | ● | | | | | | | | |
| Stakeholder Workshop | | | | | ● | | | | | | | |
| Rail System Evaluation | | | | | ■ | ■ | ■ | | | | | |
| Passenger Rail Improvements | | | | | ■ | ■ | ■ | | | | | |
| Freight Rail Improvements | | | | | ■ | ■ | ■ | | | | | |
| Public Meetings Round 2 | | | | | | | | ★ | | | | |
| Long Range Investment Plan | | | | | | | | ■ | ■ | | | |
| Draft State Rail Plan | | | | | | | | | | ■ | | |
| Final State Rail Plan | | | | | | | | | | | ■ | |
| Publish Final Plan | | | | | | | | | | | | ● |

Thank You!

- **Questions?** We're here till 7 PM
- **Comments?** Comment cards available, or post comments to ease
- **Latest details:** Please follow the progress of the Plan at:

<http://www.dot.ga.gov/travelingingeorgia/rail/Pages/StateRailPlan.aspx>

Rail Study Contacts

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