

North Carolina Freight Planning

FIRST AND LAST MILES

A solid green horizontal bar at the bottom of the slide.

Overview

Why Freight Is Important

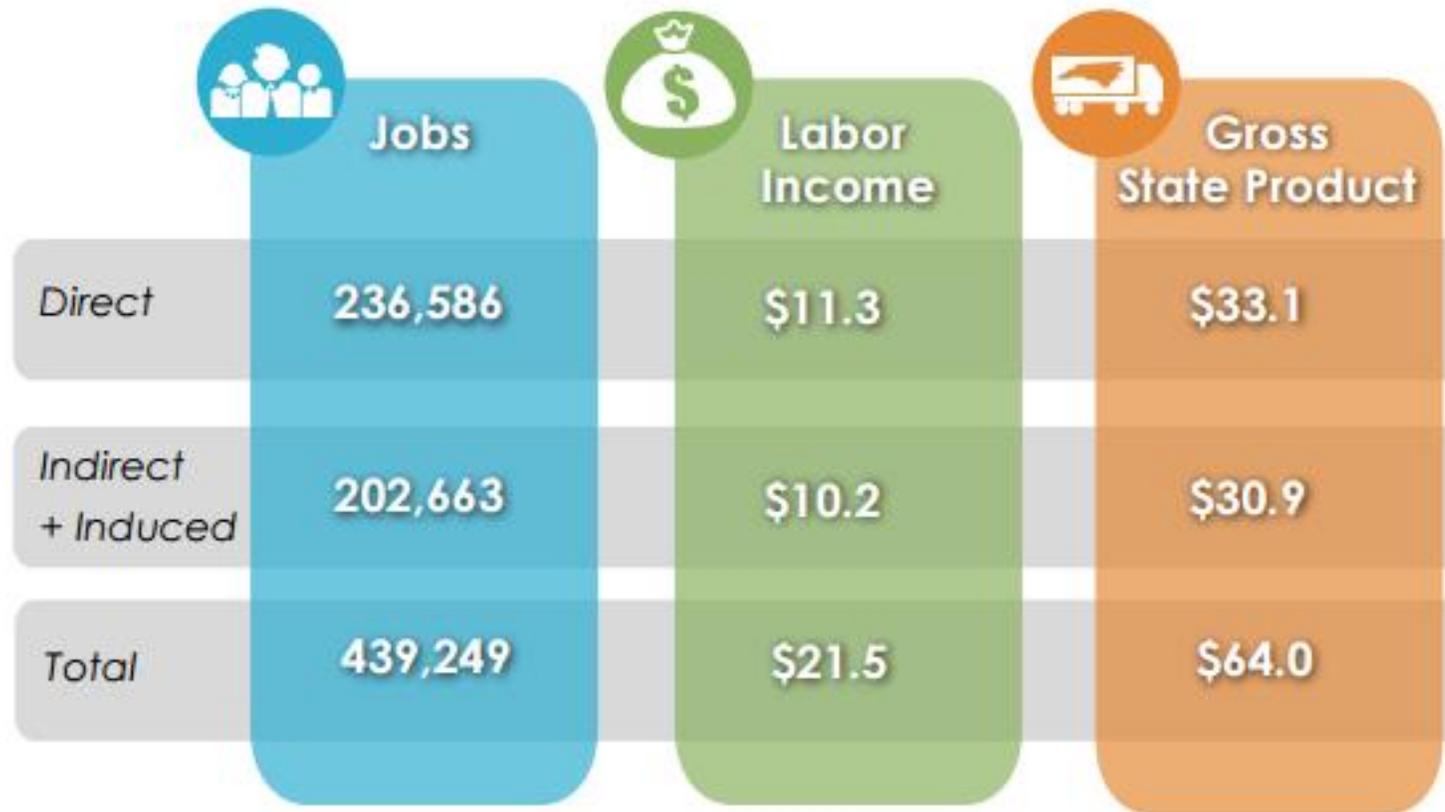
NC's Freight Network

Planning for Freight

Truck Parking

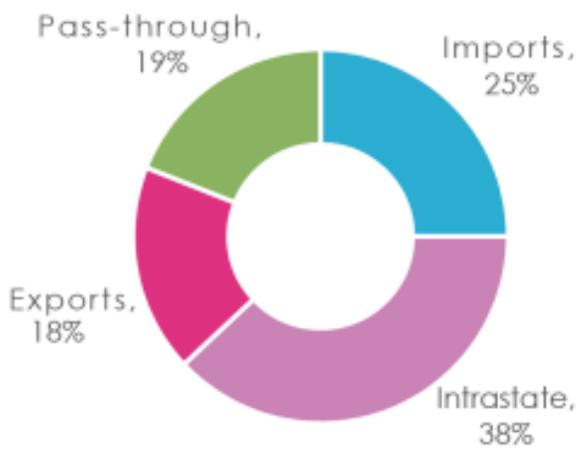
Clean Freight Projects

Importance of Freight in NC

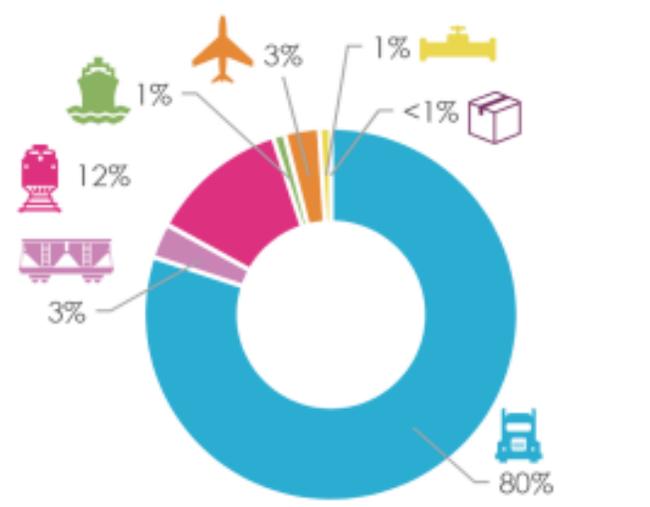
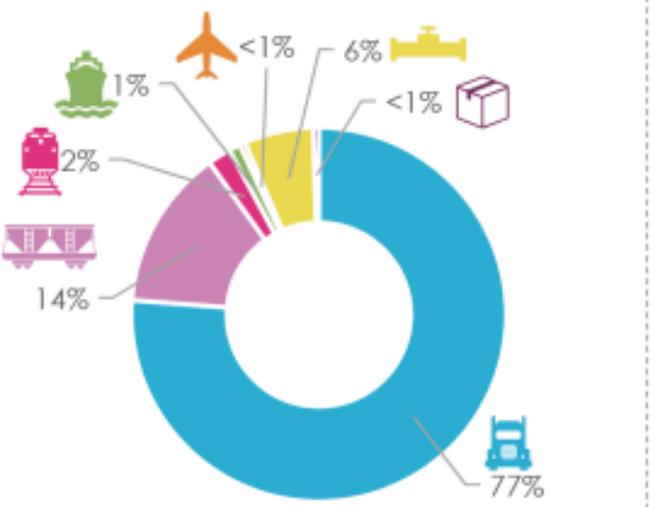
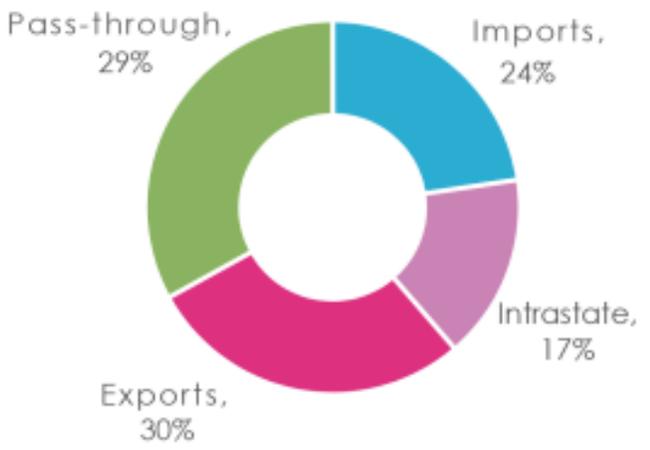


Note: Dollar values in 2015 billions.

2015 Total Tons: 557 Million



2015 Total Value: \$955 Billion



■ Truck
 ■ Rail Carload
 ■ Rail Intermodal
 ■ Water
 ■ Air
 ■ Pipeline
 ■ Other

FREIGHT INTENSIVE INDUSTRIES CRITICAL TO NORTH CAROLINA'S ECONOMY

-  **Aerospace and Aviation**
-  **Agriculture, Food Processing and Distribution**
-  **Automotive, Truck, and Heavy Equipment**
-  **Biotechnology, Pharmaceuticals, and Life Sciences**
-  **Chemicals, Plastics, and Rubber**
-  **Distribution/Logistics for Consumer Goods**
-  **Energy/ Green Energy**
-  **Forestry and Wood Products**
-  **Furniture**
-  **Military/ Defense**
-  **Textiles, Apparel, and Textile Machinery**



BABIES.
ONE OF THE VERY FEW
THINGS NOT DELIVERED
BY TRUCK.

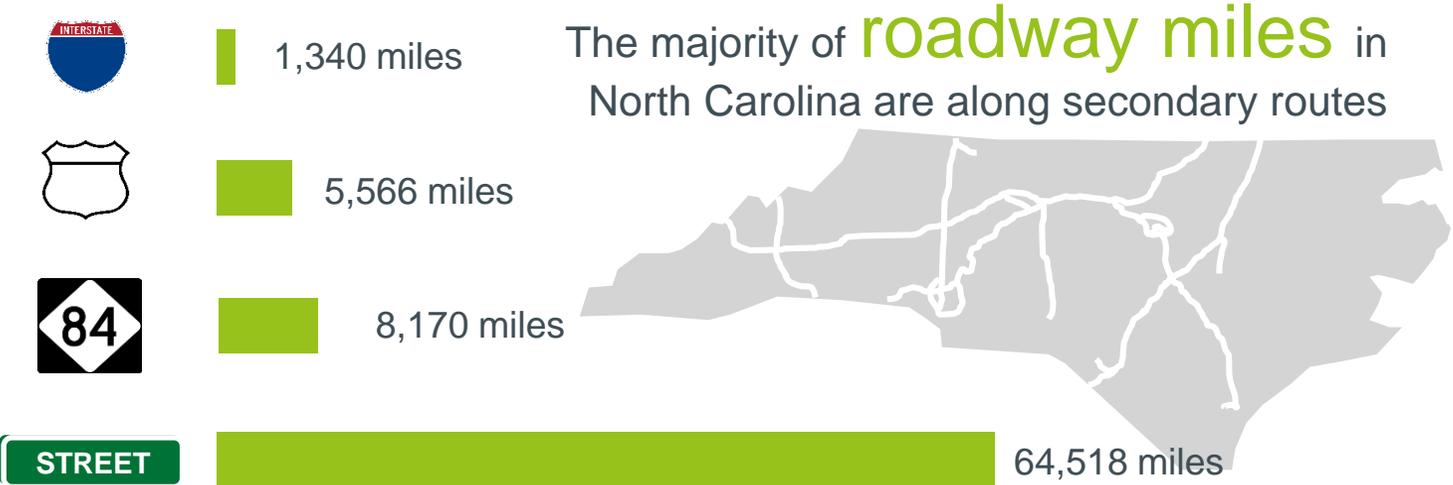


#SharetheRoad

www.JAMBestOne.com

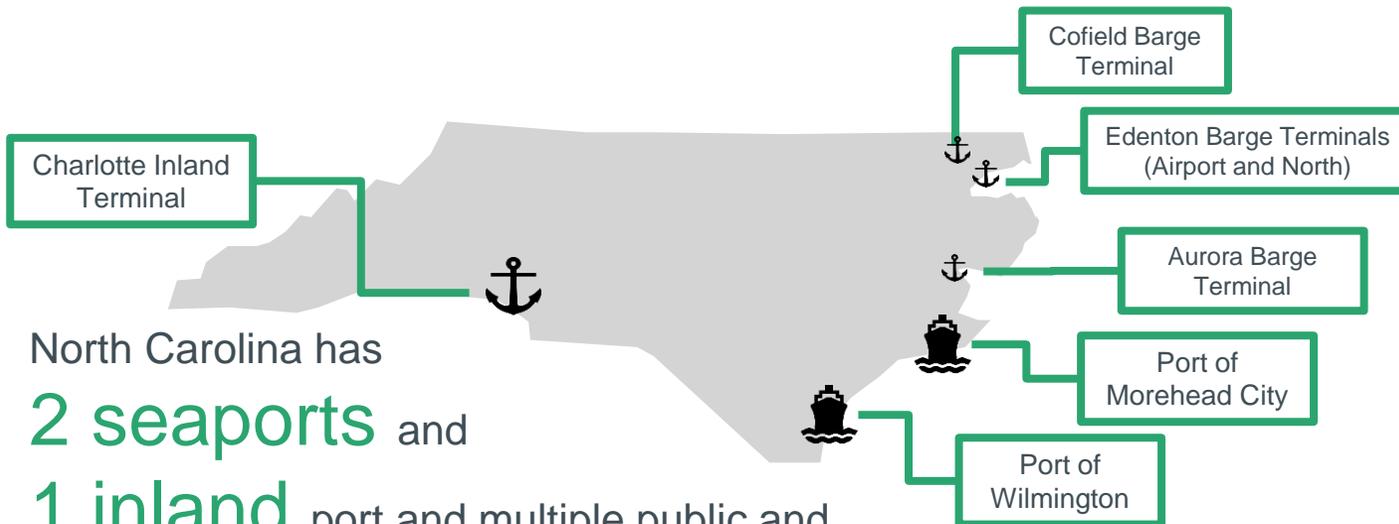


North Carolina has a well-connected multimodal freight transportation network

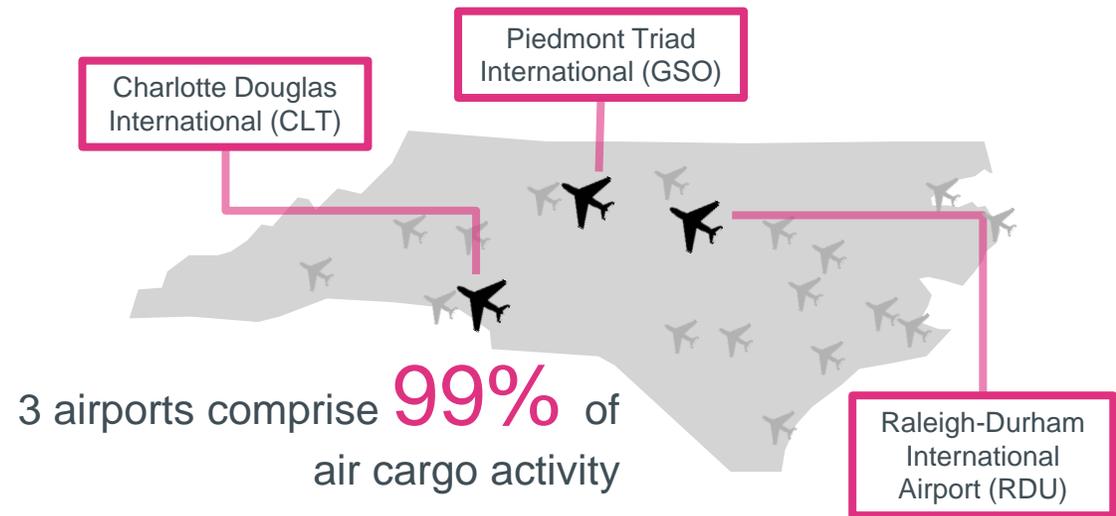


North Carolina has 2 Class I railroads totaling 2,300 route miles

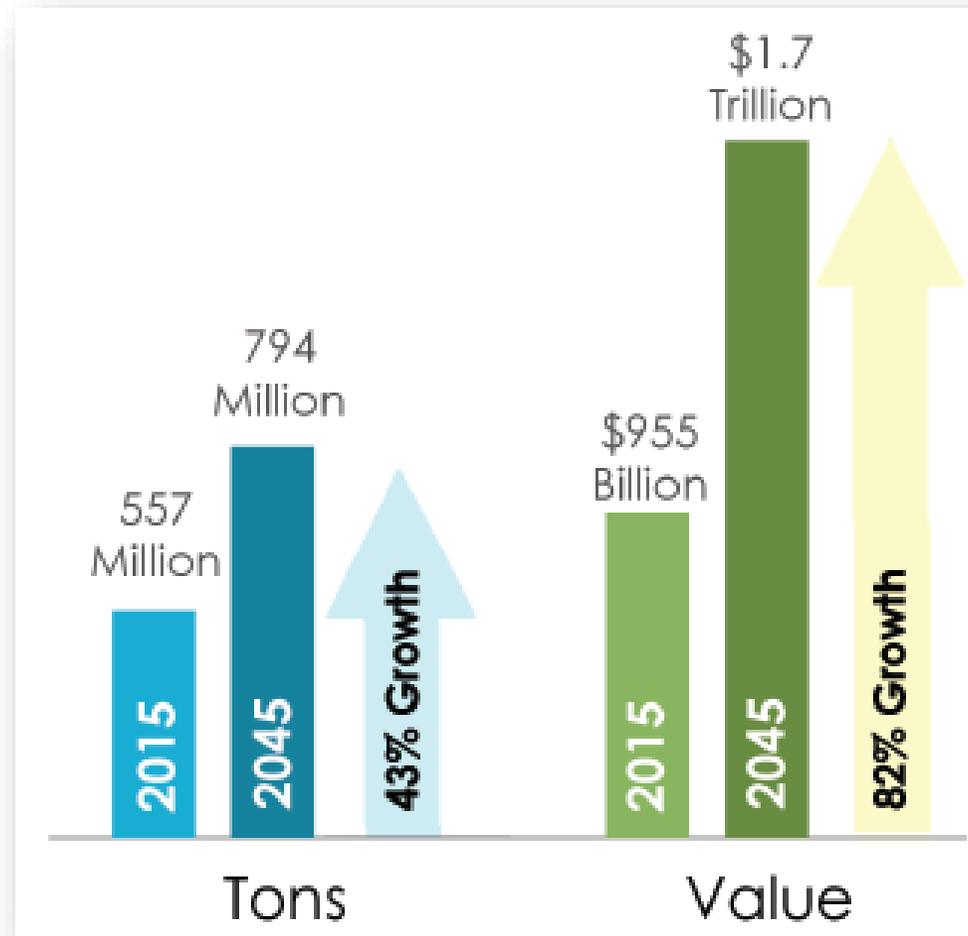




North Carolina has **2 seaports** and **1 inland** port and multiple public and private **barge** terminals



...that carries a significant volume of freight for the state's businesses and residents and the amount is growing every year.



Planning for Freight: Volume to Capacity Ratios



Truck Parking

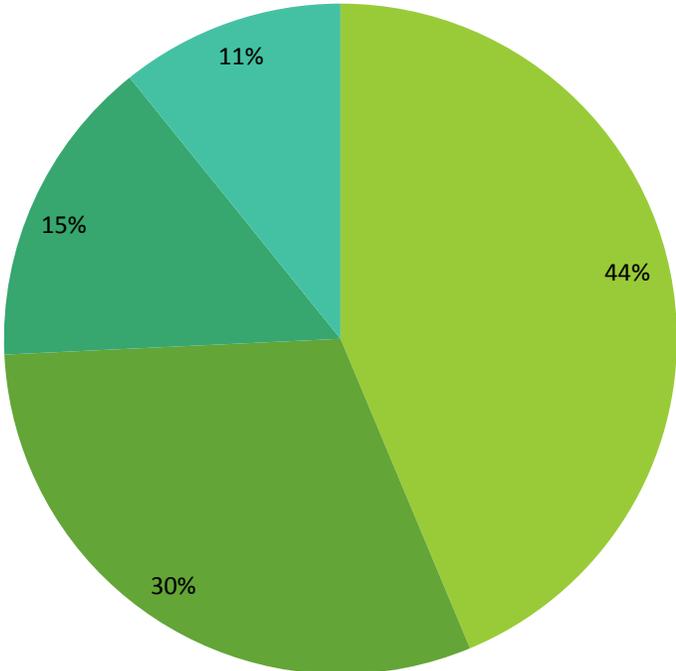
According to “Critical Issues in the Trucking Industry” (ATRI, 2016), truck parking is the third highest ranked issue among truck drivers

Hours of Service regulations increase the need for available parking and may result in illegal parking

Demand for parking in NC exceeds capacity

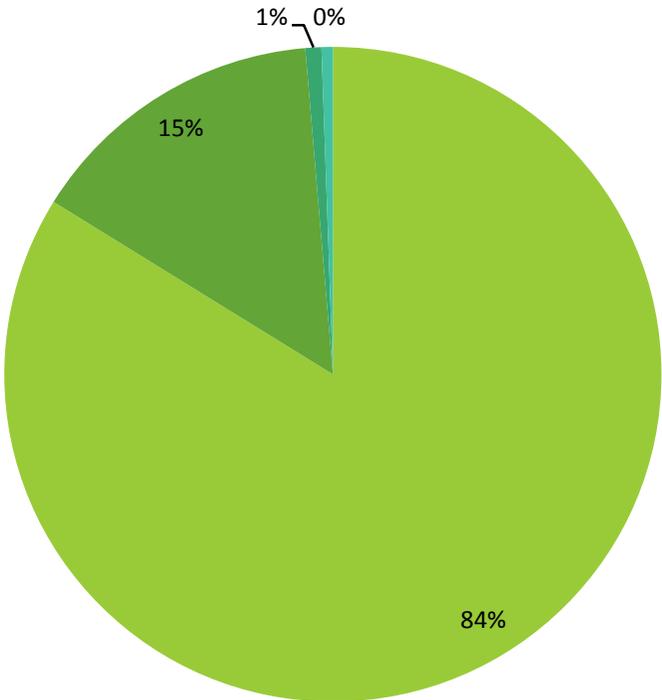


Truck Parking Facilities



- Private
- Public
- Wal-Mart
- Weigh Stations

Truck Parking Spaces



- Private
- Public
- Wal-Mart
- Weigh Stations

Safety & Operational Issues Due to Inadequate Parking

Loss of productivity

- 90% of drivers surveyed spent 30 on average minutes finding parking

Ramp and shoulder parking

- 10% of stops in NC are on shoulders

Shipper/Receiver Delays

- 75% of drivers experienced loading/unloading delays of over an hour



Possible Solutions:

Encourage Businesses and distribution centers to allow for truck parking on their premises

- Truck parking occurs near freight generators as drivers wait to pick up or drop deliveries
- While some, like Wal-Mart parking, others do not

Fund transportation projects to improve buffer time index

- As buffer times increase, the possibility of unnecessary idling increases as drivers must factor in the possibility of longer travel times to ensure on time delivery

Employ technology to assist in maximizing the use of available parking spaces

- Often drivers will cut short their maximum HOS to find a parking space.
- Often due to delays or other unforeseen issues, unneeded reserved parking spaces remain unused

Make use of abandoned weigh stations and rest areas

Clean Freight Projects

APU Rebate Program

- Funded through DERA and administered by NCDAQ
- Provided funding helps reduce mainline engine idling during required rest

Queen City Express

- Funded in part with CMAQ funds
- Daily, intermodal rail service between Wilmington and Charlotte starting July 28, 2017
- Improves freight corridor to remove trucks from the road and provides a subsidy to the Port to promote rail use

Port Projects

- Extended gate hours to reduce port congestion- results in reduced idling

Questions?

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