North Carolina
Transportation by the Numbers

Transportation Infrastructure

Miles of Public Road: 107,348
Miles of Freight Railroad: 3,161
Miles of Waterway: 1,150
Number of MPOs: 19

ROAD CONDITION
Good or Fair: 89.1%

Roads with acceptable pavement ride quality based on International Roughness Index

Bridges: 18,377

BRIDGE DECK AREA CONDITION
Good: 40.5%
Fair: 50.3%
Poor: 9.1%

Includes Federal Aviation Administration Part-139 public use airports.

Major Airports: 14
Major Water Ports: 2

Includes ports ranked in the top 150 ports by tonnage in 2017.

January 2020
VALUE OF FREIGHT FLOW

$719.8b ▲ 1.6%

Current dollars, 2018 2012-2018

TONS OF FREIGHT FLOW

463.0m ▲ 5.6%

2018 2012-2018

TON-MILES OF FREIGHT FLOW

147.2b ▲ 2.7%

2018 2012-2018

NORTH CAROLINA INTERSTATE FREIGHT FLOWS, 2018

STATE GROSS DOMESTIC PRODUCT

$563.7b ▲ 36.4%

Current dollars, 2018 2008-2018

STATE AND LOCAL GOVERNMENT TRANSPORTATION REVENUES AND EXPENDITURES

Millions of current dollars, 2017

Highway Transit Air Water

2,858 74 499 37

4,891 915 542 36

TOP COMMODITIES SHIPPED FROM NORTH CAROLINA

By value moved in billions of current dollars, 2018

Pharmaceuticals $32.1
Machinery $27.0
Textiles/leather $22.8
Mixed freight $22.8
Electronics $20.6

By weight moved in millions of tons, 2018

Wood prod. 10.8
Plastics/rubber 7.4
Basic chemicals 6.1
Live animals/fish 5.5
Mixed freight 5.3

TOP COMMODITIES SHIPPED TO NORTH CAROLINA

By value moved in billions of current dollars, 2018

Electronics $24.5
Motorized vehicles $19.7
Textiles/leather $19.3
Pharmaceuticals $18.5
Plastics/rubber $17.7

By weight moved in millions of tons, 2018

Coal 24.4
Coal-n.e.c. 16.8
Nonmetal min. prod. 7.9
Cereal grains 7.1
Wood prod. 7.0

TOP COMMODITIES SHIPPED WITHIN NORTH CAROLINA

By value moved in billions of current dollars, 2018

Mixed freight $31.3
Gasoline $16.5
Tobacco prod. $10.2
Machinery $9.8
Pharmaceuticals $7.8

By weight moved in millions of tons, 2018

Gravel 66.6
Nonmetal min. prod. 26.5
Natural sands 18.3
Gasoline 17.1
Logs 16.0

NORTH CAROLINA TRANSPORTATION BY THE NUMBERS
RAIL FATALITIES
31 ▲ 933.3%
2018 2008-2018

TRANSPORT FATALITIES
1 ▼ -75.0%
2018 2008-2018

RECREATIONAL BOAT FATALITIES
30 ▲ 66.7%
2018 2008-2018

HIGHWAY FATALITIES
1,437 ▲ 0.6%
2018 2008-2018

HIGHWAY FATALITY RATE
Fatalities per 100 million vehicle miles traveled, 2018

North Carolina 1.19
United States 1.13

HIGHWAY FATALITIES BY PERSON

ENERGY USE BY SECTOR
Percent of Btu consumed, 2017

Energy Source
- Motor fuel 75.6%
- Diesel 21.3%
- Jet fuel 2.1%
- Natural gas 0.4%
- Other 0.7%

TRANSPORTATION ENERGY USE
Trillion Btu consumed, 2007-2017

TRANSPORTATION EMISSIONS
Million metric tons of CO₂, 2007-2017

TRANSPORTATION ENERGY USE PER CAPITA
Million Btu per capita, 2017

North Carolina 70.6
United States 86.2

HIGHWAY MOTOR FUEL USE PER CAPITA
Gallons per capita, 2018

North Carolina 437.5
United States 416.2

ALTERNATIVE FUEL STATIONS
Number of stations, 2016-2018

- Electric: 2016 1,039 ▲ 0.6% 2018 1,553 ▲ 31 ▲ 933.3%
- Ethanol: 2016 58 ▼ 75.0% 2018 85 ▲ 30 ▲ 66.7%
- Compressed Natural Gas: 2016 40 ▼ 31 ▲ 933.3%
- Biodiesel: 2016 122 ▼ 31 ▲ 933.3%
- Natural gas: 2016 115 ▼ 31 ▲ 933.3%
- Other: 2016 112 ▼ 31 ▲ 933.3%