

NORTH CAROLINA

Department of Transportation













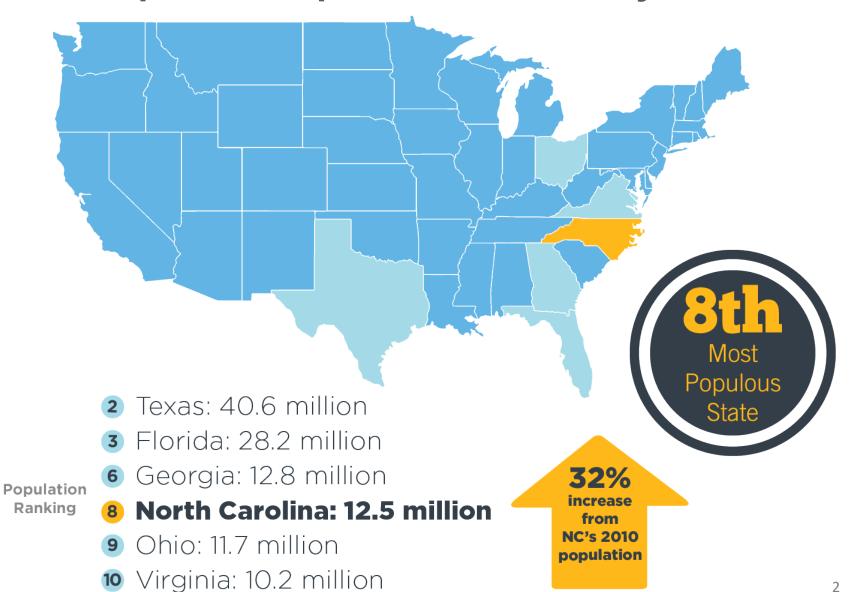






NCDOT Secretary Jim Trogdon

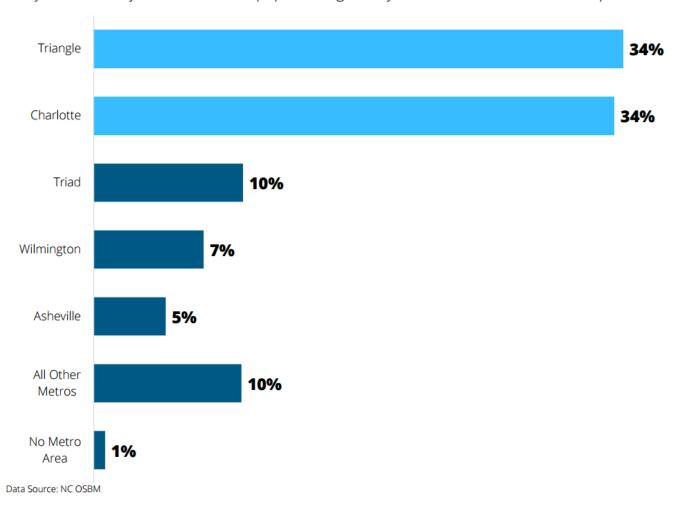
Expected Population Growth by 2035



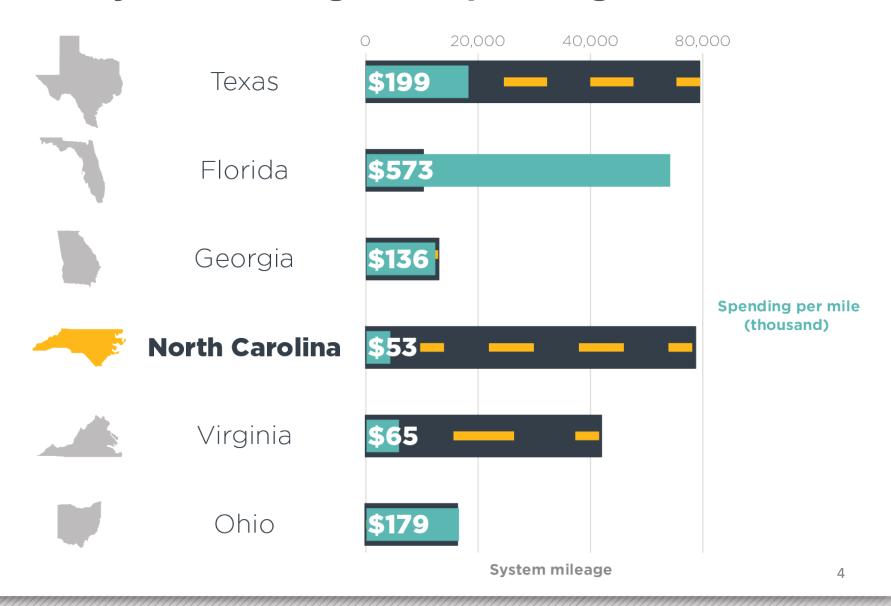
NC Demographics

Two-thirds of NC growth projected to occur in Triangle or Charlotte

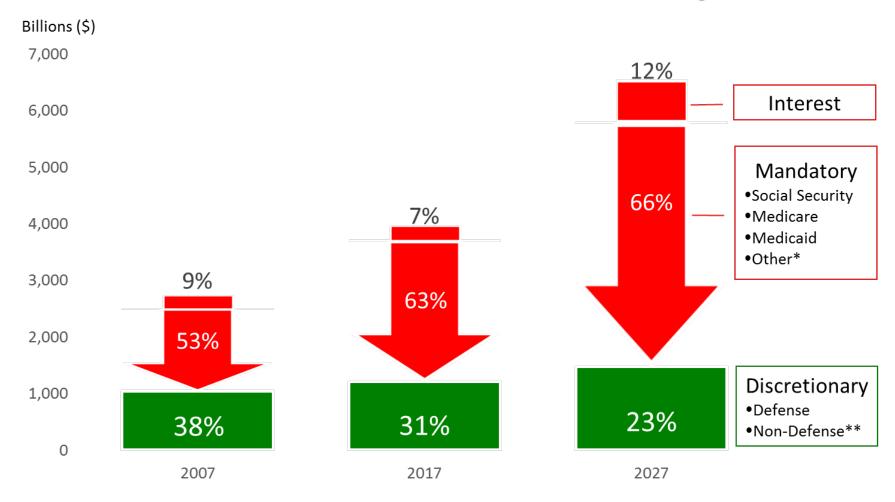
Projected share of 2010-2035 state population growth for select North Carolina metropolitan areas



System Mileage vs. Spending Per Mile



Uncertain Federal Funding



^{*}unemployment compensation, federal civilian and military retirement, some veterans' benefits, the earned income tax credit, the Supplemental Nutrition Assistance Program and other mandatory programs

^{**}transportation, education, veterans' benefits, health, housing assistance, and other activities

Where We Were (Jan. 2017)

January 2018:

- Lack of project delivery had resulted in buildup of cash balance
 - Delivering 78% of TIP on schedule
 - Doing too many tasks sequential
 - Not adjusting to revenue/cost conditions
- Plan of action
 - Reassessed and established new TIP project schedules (Complete)
 - Delegated projects for Division Delivery (Complete)
 - Revising project development cycles (Complete)
 - Monthly monitoring of program delivery status/cash management (Ongoing)

Better Transportation Service for North Carolina

Our Mission: Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina.



































- ☑ Prioritization/ **Programming**
- **V** Scoping. Scheduling
- **▽** Project Development
- **☑** Procurements
- ☑ Right-of-Way
- ✓ Operations and Maintenance
- **▼** Revenue and Cash Model



- **Vision Zero**
- ▼ Technology Pilots
- ☑ Planning and Policy



- **▼** Rural Mobility and Economic Development
- ✓ Mobility Modernization Implementation
- **✓** Mobility Performance Data



- ✓ Bridge and Structures
- **☑** Pavements: Signals/ITS
- **✓** Transportation **Facilities**
- ✓ Budgeting and Performance Plans



☑ Debt Capacity Instruments



- ✓ Connected and **Automated Vehicle** Policy
- ✓ Connected and **Automated Vehicle** Infrastructure and
- **✓** Industry Technology **Advisory Group**
- ✓ University Center for Transportation Innovation
- **☑** Decision Support and Operations Control Data, Integration, Infrastructure, and **Analysis Systems** Technology

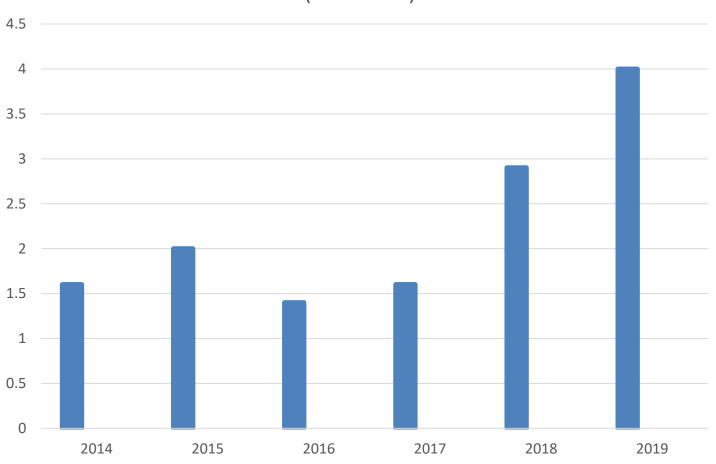
- **☑** Recruiting
- ✓ Small Business Development
- ✓ Benefits/ Compensation Reform and Modernization
- ✓ Scholarships/ Internships/ **Apprenticeships**
- **☑** Real Time Internal/External **Performance Measures** and Dashboarding
- ✓ External Communications and **Outreach of DOT** Services-Planning. Project Development, Construction, Operation. Transportation Permits, Vehicle and **Driver Services**
- **☑** Real Time Data Collection, Analysis, Storage, and Reporting Across all **Modes and Operations** to Obtain and Sustain **Full Time Situational Awareness**

Results

- Cash Balance is ~ \$320 M
- Accelerated projects resulted in decreased cash balance
- Steady delivery maintains even level of cash balance
- Funding Events/Emergencies creates a challenge

Construction Lettings

(In Billions)



Triad Projects

Business 40

- > 1 *very important* mile in Winston-Salem (\$99M)
- Vital link between north and south parts of city
- Multiuse path planned along Bus. 40 for construction in 2021
- > Due to open in spring 2020

Greensboro Loop

- Completed work on last sections (\$178M)
- Work underway to tie east / west to northern section
- Portions of northern loop to open fall 2019 and other sections in late 2021

I-74 Winston-Salem Beltway

- > 34-miles will relieve congestion, improve safety
- Work on 4 miles on east side due for completion in November
- ➤ Completion of northern sections (\$428M) in 2021 and 2022

Triad Projects

- Jamestown Bypass
- Extending bypass ~4 miles around Jamestown
- Accelerated construction.
- Completion by end of 2021

- Asheboro Bypass
- Ties into N.C. Zoo
- ➤ 16-mile U.S. 64 Bypass
- Open to traffic May 2020

Carolina Core Update

- Completed site work to determine development opportunities at the Greensboro-Randolph megasite.
- Helping prepare the Chatham Advance Manufacturing Site & Moncure Megasite for future development.
- Constructed 9-mile segment of I-73 around the Piedmont
 Triad International Airport and this summer finished a new taxiway bridge over I-73 connecting undeveloped land to the airport.

Carolina Core Update

 Provided sign designs so motorists will see "Carolina Core" below entrance signs to Triad counties.



Carolina Core Marketing Video



BUILD NC



- Modeled after GARVEE
- Will maintain integrity of STI
- Have appropriate oversight
- Be utilized at the Regional and Division project tiers (projects NOT eligible for GARVEE)
- Affordability will be determined by the State Treasurer

BUILD NC - Legislation

HB 1010 / S 758

- S 758 Passed Senate on 6/6/2018
- S 758 Passed House on 6/12/2018
- Signed by the Governor on 6/20/2018
- Will ask State Treasurer to issue bonds April/May



Local Build NC Project info

 57 Regional and Division Projects funded through BUILD NC over next 5 years

 BUILD NC helping fund \$670M toward 24 projects over 10+ years in Divisions 7, 8 & 9

Additional Revenue/Funding

Discretionary Grants/Opportunities

- Blue Ridge Road Grade Separation
 (TIGER) \$20M
- I-95/US 70 (INFRA) \$147M
- Rural bridges (BUILD)\$23M (\$119M total)
- August Redistribution
 \$295M (2017 & 2018)





Mark your calendars: January 8-9, 2020

Commission on Future Investment in Transportation

- Scope: To study and recommend methods for future transportation investment
- Schedule: Begin March 2019. Quarterly meetings until January 2021
- Composition: Economists, representatives of Financial, Government, and Business sectors
- Outcome: Report and Recommend methods to NCGA by January 2021

Summary

- NC is growing and changing
- Multiple tools are necessary to meet immediate as well as future needs
- Thank you for your strong partnership. Now and in the future!

2019 Goals

- Establish a Commission to evaluate future funding options
- Continue efforts to make NCDOT more efficient
- Execute BUILD NC