

#### **NORTH CAROLINA**

Department of Transportation

















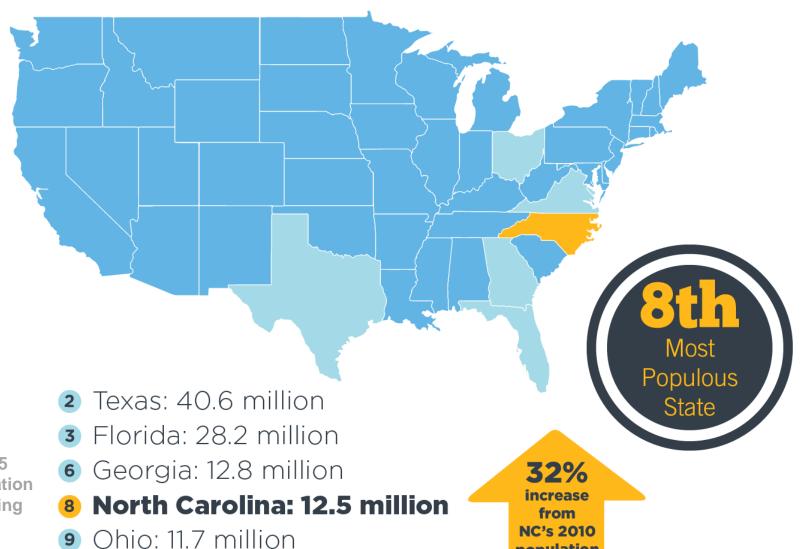


## BUILD NC – CAPA Pinehurst

Secretary Jim Trogdon

4/5/2018

#### **Expected Population Growth by 2035**



2035 **Population** Ranking

Ohio: 11.7 million

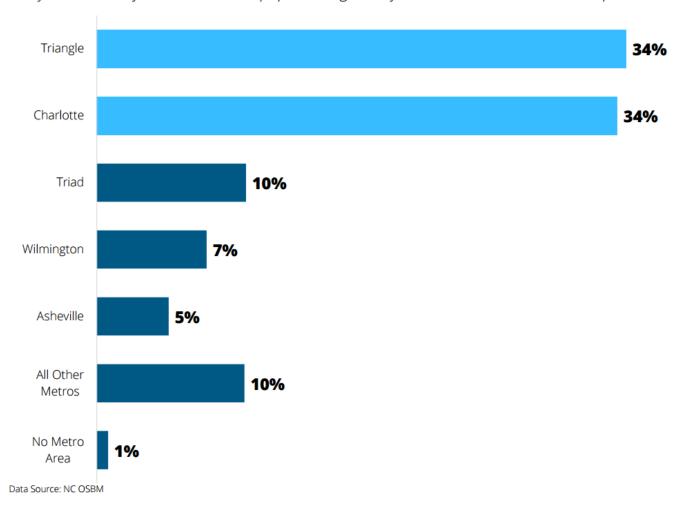
Virginia: 10.2 million

population

## NC Demographics

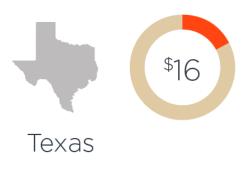
#### Two-thirds of NC growth projected to occur in Triangle or Charlotte

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











**North Carolina** 









# Investment (\$B) Among Peer States States 2017





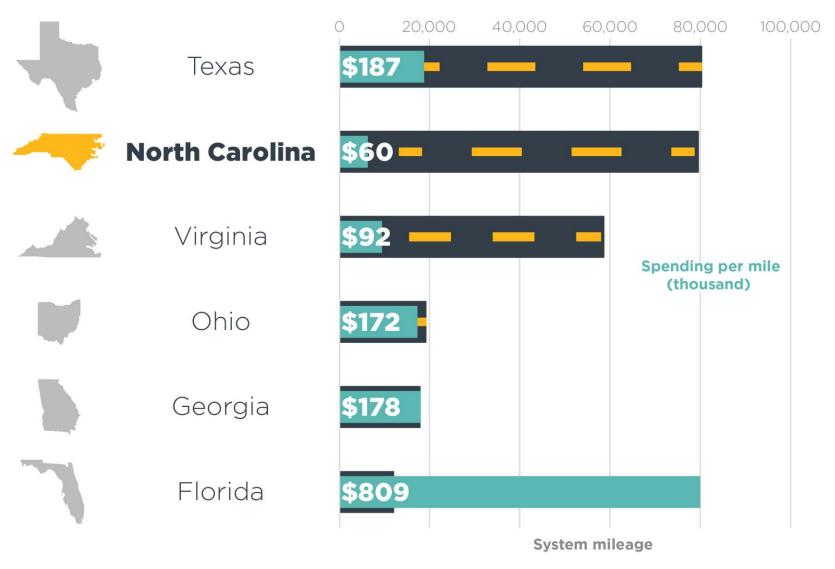








#### System Mileage vs. Spending Per Mile

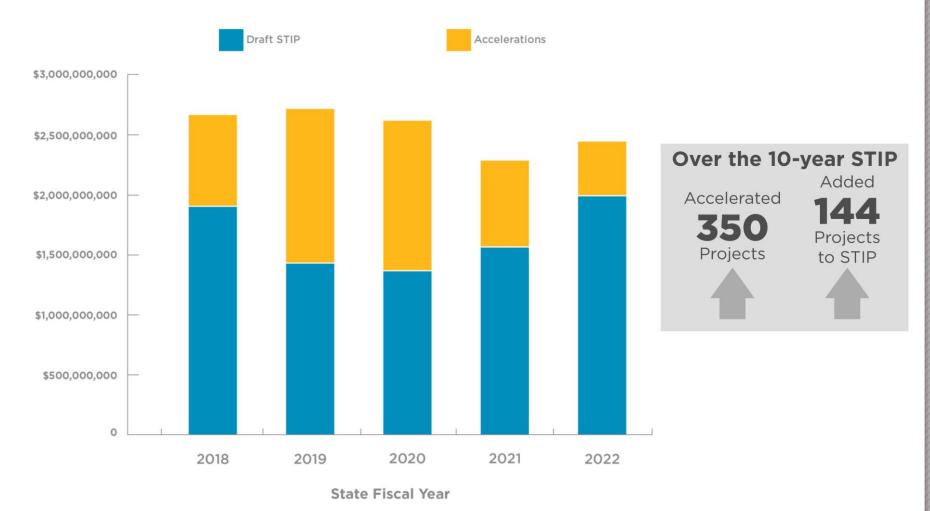


# Why Cash Buildup?

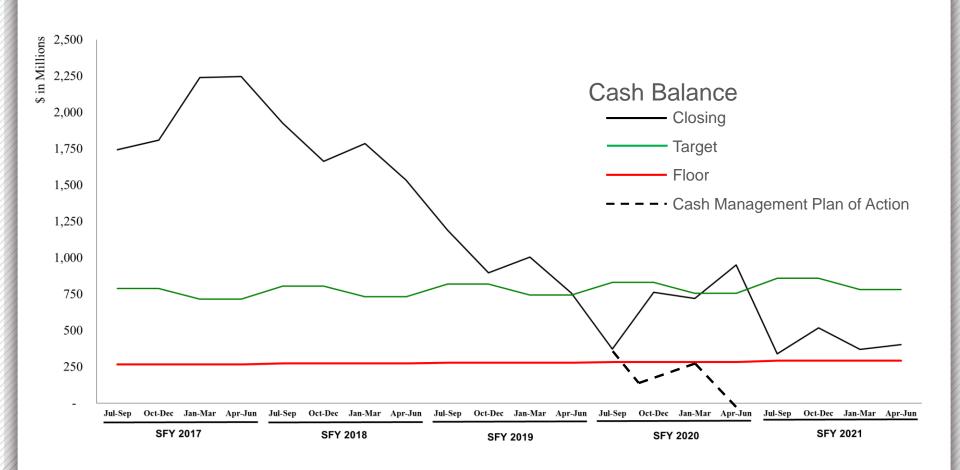




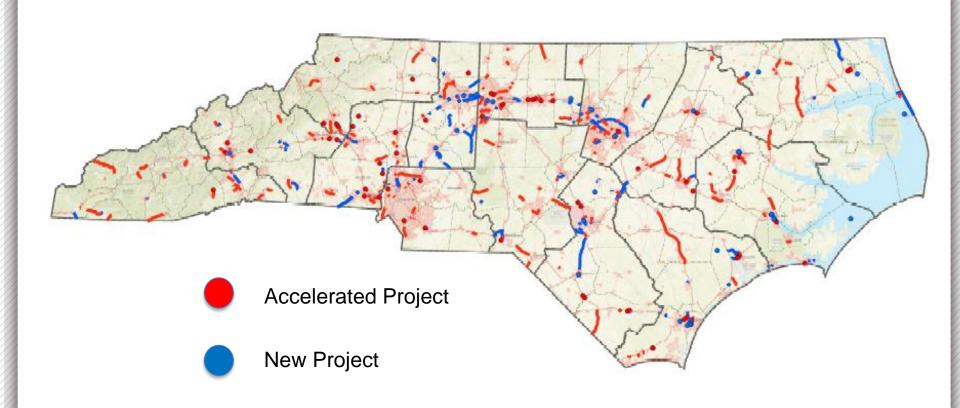
## **Project Advancements**



### Addressing Balance – Accelerating Delivery



# Changes Between the 2018-2027 Draft STIP & Final STIP



# **Grant Anticipation Revenue Vehicle** (GARVEE Program)

- Debt payable solely from future federal revenues
- Finances improvements to federal highway system (65% of NC projects NOT eligible for these funds)

NCDOT GARVEE Program (established in 2007)	
Bonds Issued	6
Project Financing	\$1.12B
STIP Projects Financed	50
Counties	35

### **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 Framework**

Key Considerations	
State Transportation Investment (STI) Law	Program development supports STI law
Evergreen	Issuances over time subject to certain conditions, similar with the state GARVEE program per Session Law 2005-403
Equitable distribution	Targets equal distribution between regional and division tier projects
Debt affordability	Consistent with state debt affordability parameters of 6%
Cash balance trigger	Issuances consistent with cash balance target per Session Law G.S. 143C-6-11 (≤\$750M)
Oversight	Oversight consistent with GARVEE program per Session Law 2005-403
Annual and Total Issuance Cap	Annual cap: Establish debt affordability – Determined by  State Treasurer  Total cap: \$3 billion

### Build NC

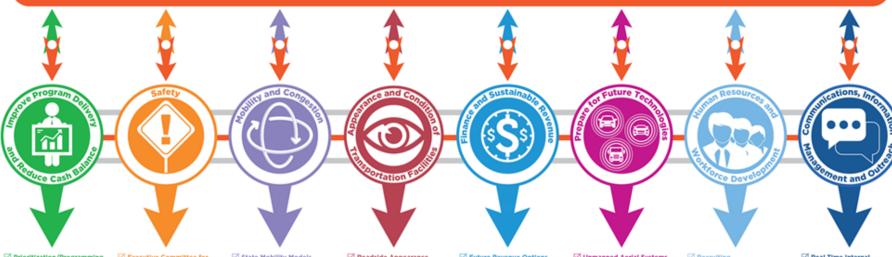
- Impacts roughly 150 projects with an estimated value of almost \$4 Billion
- Projects accelerate an average of 2 years
  - New projects are brought forward an average of 5 years
- A tool that supports urban AND rural projects
- Maintains program delivery expectations
- Works with industry partners
- Replicates a proven tool

## Summary

- NC is growing and changing
- Multiple funding tools are necessary to meet immediate as well as future needs
- Accelerated project delivery has strong economic impact and enhances NC's economic competitiveness
- BUILD NC will support highest priority projects in rural AND urban locations

#### **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
- Scoping, Scheduling
- ☑ Project Development
- ✓ Procurements
- Right-of-Way
- ✓ Operations and Maintenance
- Revenue and Cash Model
- ✓ Executive Committee for Highway Safety
- √ Vision Zero
- ▼ Technology Pilots
- Planning and Policy
- State Mobility Models and Analytics
- Rural Mobility and Economic Development
- Mobility Modernization Fund Implementation
- Mobility Performance Data
- Roadside Appearance
  - ☑ Bridge and Structures
  - ☑ Pavements; Signals/ITS
  - ✓ Transportation Facilities
- Budgeting and Performance Plans
- ✓ Future Revenue Options for Sustained Transportation Delivery
- ☑ Debt Capacity Instruments
- ✓ Unmanned Aerial Systems
- Connected and Automated Vehicle Policy
- Connected and Automated Vehicle Infrastructure and Data
- √ 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 Performance Measures and Dashboarding
- ☑ Real Time External Performance Measure and Dashboarding
- ✓ External Communications and Outreach of DOT Services-Planning, Project Development, Construction, Operation, All Hazard Response, Transportation Permits, Vehicle and Driver Services
- ✓ Real Time Data Collection, Analysis, Storage, and Reporting Across all Modes, Units, Facilities and Operations to Obtain and Sustain Full Time Situational Awareness