

# NORTH CAROLINA GENERAL ASSEMBLY



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## HOUSE SELECT COMMITTEE ON STRATEGIC TRANSPORTATION PLANNING AND LONG TERM FUNDING SOLUTIONS

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*DRAFT*  
**REPORT TO THE  
2018 SESSION**  
of the  
**2017 GENERAL ASSEMBLY  
OF NORTH CAROLINA**

**APRIL 30, 2018**

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# TRANSMITTAL LETTER

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April 30, 2018

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TO THE MEMBERS OF THE 2018 REGULAR SESSION  
OF THE 2017 GENERAL ASSEMBLY

The HOUSE SELECT COMMITTEE ON STRATEGIC TRANSPORTATION  
PLANNING AND LONG TERM FUNDING SOLUTIONS respectfully submits  
the following report to the 2018 Regular Session of the 2017 General Assembly.

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Rep. John A. Torbett (Chair)

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# COMMITTEE PROCEEDINGS

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The House Select Committee on Strategic Transportation Planning and Long Term Funding Solutions met eight times after the 2017 Regular Session. The following is a brief summary of the Committee's proceedings. Detailed minutes and information from each Committee meeting are available in the Legislative Library.

## **October 2, 2017**

The first meeting of the Committee following the 2017 regular session of the General Assembly was held October 2, 2017, at 1:00 p.m. in Room 544 of the Legislative Office Building. Representative John Torbett presided. The Committee heard the following presentations: (1) Committee Charge, Giles Perry, Committee Counsel, Legislative Analysis Division; (2) Moving North Carolina's Transportation System Forward, Jim Trogdon, P.E., Secretary, North Carolina Department of Transportation; (3) What to Expect from the Federal Infrastructure Package and a Review of Recent Revenue Changes around the Country, Joung Lee, Policy Director, American Association of State Highway Transportation Officials (AASHTO); (4) Raleigh Union Station and Building a Future Transportation Hub – Nancy McFarlane, Mayor, City of Raleigh; Roberta Fox, Assistant Director, Department of City Planning, City of Raleigh; David Eatman, Transit Administrator, City of Raleigh; Jeff Mann, General Manager, GoTriangle. Following presentations, the Committee made a site visit to Raleigh Union Station.

## **November 6, 2017**

The second meeting of the Committee following the 2017 regular session of the General Assembly was held November 6, 2017, at 11:00 a.m. at the Port of Wilmington in Wilmington, NC. Representative John Torbett presided. The Committee first took a tour of the Port of Wilmington. After the tour, the Committee heard the following presentations: (1) The Port of Wilmington's Capital Plan and Preparing North Carolina's Ports for the New Generation of Ships Post-Panamax, Paul Cozza, Executive Director, North Carolina State Ports Authority; (2) City of Wilmington's Rail Realignment Study – Glen Harbeck, Director of Planning, Development, and Transportation, City of Wilmington; Laura Padgett, Chair of Mayor's Task Force on Rail Realignment, City of Wilmington; (3) Extending North Carolina's Ports through Increased Connectivity, Charles Edwards, Director of Strategic Planning/Logistics, North Carolina Department of Transportation; (4) Long Term Considerations for North Carolina's Ports, Paul Cozza, Executive Director, North Carolina State Ports Authority.

## **December 4, 2017**

The third meeting of the Committee following the 2017 regular session of the General Assembly was held December 4, 2017. The Committee first met at 9:00 a.m. at the State

Highway Patrol Test Track in Raleigh, NC, for demonstrations and test rides of autonomous and connected vehicles. The Committee then convened at 1:00 p.m. in Room 544 of the Legislative Office Building. Representative John Torbett presided. The Committee heard the following presentations: (1) Feasibility and Demonstration of Small Automated Vehicles as a Viable Transit Solution in North Carolina (EcoPRT) – Seth Hollar, Ph.D., Assistant Professor, Electrical and Computer Engineering Department, North Carolina State University; Marshall Brain, Director of Engineering Entrepreneurs Program, Electrical and Computer Engineering Department, North Carolina State University; NCSU Engineering Students, Amit Nayak, Nikhil Patil, Joel Smith, Amrutha Arunachala, Suraj Shanbhag, Tyler Currie, Tyler Orr, Siddhesh Gotad; (2) Review of NC Legislative Actions, Howard Marsilio, Committee Counsel, Legislative Analysis Division; (3) An Overview of Autonomous and Connected Vehicles and How These Technologies will Impact Transportation Services, Paul Steinman, Transportation Group Director, HNTB; (4) Emerging Technologies, Harry Lightsey, III, Executive Director, Emerging Technologies Policy, GM; (5) Toyota's Experience in Japan: A Federal Legislative Update and a Safety Overview, Ed Bradley, Program Manager for Safety Regulation, Toyota; (6) The Evolution of Automated and Connected Vehicles and How the Military will Use this Technology, Steven W. Dellenback, Ph.D., PMP, Vice President of Research and Development, Southwest Research Institute (SwRI); (7) The Future of Ride Sharing in the Age of Autonomous and Connected Vehicles, Justin Erlich, Head of Policy, Autonomous Vehicles & Urban Aviation, Uber; (8) Preparing North Carolina Roads for Autonomous and Connected Vehicles, Kevin Lacy, PE, State Traffic Engineer, North Carolina Department of Transportation; (9) What Should North Carolina do to Develop the Industry in North Carolina, Chris Cunningham, Program Manager, Director of Highway Systems, Institute of Transportation Research Education (ITRE), North Carolina State University; (10) Automated and Connected Vehicles: Panel Discussion – Chris Cunningham, ITRE, NC State University; Thomas Chase, Ph.D., ITRE, NC State University; Kyle Snyder, ITRE, NC State University; Ed Bradley, Toyota; Dr. Steven Dellenback, SwRI; Nick Zabriskie, Uber; Paul Steinman, HNTB; Kevin Lacy, NCDOT.

### **January 8, 2018**

The fourth meeting of the Committee following the 2017 regular session of the General Assembly was held January 8, 2018, at 1:00 p.m. in Room 544 of the Legislative Office Building. Representative John Torbett presided. The Committee heard the following presentations: (1) North Carolina's Economy, Michael Walden, Ph.D., William Neal Reynolds Distinguished Professor, Agricultural and Resource Economics, North Carolina State University; (2) Transportation Planning for Aging Populations, Blair Barton-Percival, Area Agency on Aging Director, Piedmont Triad Regional Council; (3) Aviation Automation, Kyle Snyder, Director of NGAT Program, North Carolina Institute for Transportation Research and Education; (4) Challenges and Innovations in the Movement of Goods, Frank Morris, Vice President of Corporate and Public Affairs, UPS; (5) The Future of Electric Vehicles, Patrick Bean, Associate Manager for Energy Policy & Business Development, Tesla; (6) Impacts to the Grid and Strategies for Handling Current and Anticipated Impacts, Lang Reynolds, Manager of Electric Transportation, Duke Energy.



### **February 5, 2018**

The fifth meeting of the Committee following the 2017 regular session of the General Assembly was held February 5, 2018, at 1:00 p.m. in Room 544 of the Legislative Office Building. Representative John Torbett presided. The Committee heard the following presentations: (1) Transportation-Related Goods and Services – Cindy Avrette, Staff Attorney, Legislative Analysis Division, North Carolina General Assembly; Denise Canada, Principal Fiscal Analyst, Fiscal Research Division, North Carolina General Assembly; (2) Federal Update, Jeff Davis, Senior Fellow, Eno Foundation; (3) Future Transportation Revenue Options, Adrian Moore, Ph.D., Vice President of Policy, Reason Foundation; (4) 2018 Debt Affordability Study, Greg Gaskins, Deputy Treasurer, State and Local Finance Division, North Carolina Department of State Treasurer; (5) An Overview of BUILD NC, Jim Trogdon, PE, Secretary, North Carolina Department of Transportation.

### **March 5, 2018**

The sixth meeting of the Committee following the 2017 regular session of the General Assembly was held March 5, 2018, at 8:45 a.m. in Charlotte, NC. Representative John Torbett presided. The Committee first met at the American Airlines Training Center and heard a presentation by American Airlines followed by a tour of the American Airlines Training Center, Simulator Bays, and Base Maintenance Hangar. The Committee then took a bus tour of Norfolk Southern's Charlotte Regional Intermodal Facility. The Committee then met at the Charlotte Chamber of Commerce for a meet and greet with members of the Charlotte Chamber of Commerce and heard the following presentations: (1) Where Business and Transportation Intersect, Bob Morgan, President and CEO, Charlotte Chamber of Commerce; (2) Charlotte Area Transit System: Moving Forward, John Lewis, Executive Director, Charlotte Area Transit System (CATS). The Committee then made a site visit on the CATS LYNX Blue Line.

### **April 2, 2018**

The seventh meeting of the Committee following the 2017 regular session of the General Assembly was held April 2, 2018, at 1:00 p.m. in Room 544 of the Legislative Office Building. Representative John Torbett presided. The Committee heard the following presentations: (1) The Role of Transportation in Business Recruitment and Site Development, Chris Chung, Chief Executive Officer, Economic Development Partnership of North Carolina; (2) NCR's Economic Development Strategies and Initiatives, Scott Saylor, President, North Carolina Railroad Company; (3) The Connection between Airport Infrastructure and Economic Growth, Bobby Walston, Director, Division of Aviation, North Carolina Department of Transportation; (4) Legislative Proposals - Luke Gillenwater, Committee Counsel, Bill Drafting Division; Joshua Freeman, Committee Counsel, Bill Drafting Division.

## **April 30, 2018**

The eighth meeting of the Committee following the 2017 regular session of the General Assembly was held April 30, 2018, at 1:00 p.m. in Room 544 of the Legislative Office Building. Representative John Torbett presided. The Committee heard the following presentations: (1) Demographic Change in North Carolina, Rebecca Tippett, Ph.D., Director, Carolina Demography at the Carolina Population Center; (2) Build NC Legislative Proposal – Presentation of Bill Draft, Luke Gillenwater, Committee Counsel, Bill Drafting Division; Build NC Impacts, Jim Trogdon, P.E., Secretary, North Carolina Department of Transportation. A public comment period and discussion and vote followed; (3) Other Legislative Proposals – Luke Gillenwater, Committee Counsel, Bill Drafting Division; Joshua Freeman, Committee Counsel, Bill Drafting Division. Discussion and vote followed. Following these presentations, the Committee approved this report.

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## RECOMMENDATIONS

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The Committee recommends the attached draft legislation, **Drafts XXX**, for consideration in the 2018 session of the General Assembly.

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## COMMITTEE MEMBERSHIP

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2017-2018

**Speaker of the House of Representatives Appointments:**

Rep. John A. Torbett (Chair)

Rep. Frank Iler (Vice-Chair)

Rep. Michele D. Presnell (Vice-Chair)

Rep. Phil Shepard (Vice-Chair)

Rep. James L. Boles, Jr.

Rep. John R. Bradford, III

Rep. Dana Bumgardner

Rep. Becky Carney

Rep. Debra Conrad

Rep. Nelson Dollar

Rep. John Faircloth

Rep. John A. Fraley

Rep. Ken Goodman

Rep. George Graham

Rep. Holly Grange

Rep. Kelly E. Hastings

Rep. Yvonne Lewis Holley

Rep. Howard J. Hunter, III

Rep. Pat B. Hurley

Rep. Linda P. Johnson

Rep. Susan Martin

Rep. Chuck McGrady

Rep. Allen McNeill

Rep. Bobbie Richardson

Rep. Larry C. Strickland

Rep. Rena W. Turner

**Committee Staff:**

Amna Cameron

Joshua Freeman

Luke Gillenwater

Amanda Hayden

Howard Marsilio

Wendy Graf Ray

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## COMMITTEE CHARGE/STATUTORY AUTHORITY

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By letter dated September 12, 2017, the Speaker of the House of Representatives established the House Select Committee on Strategic Transportation Planning and Long Term Funding Solutions, and authorized it to report to the House of Representatives at any time prior to the convening of the 2019 General Assembly.

The Committee was authorized to study any of the following:

- (1) Corridor Development
- (2) The future of federal funding
- (3) The future of State revenues
  - A. Demographic changes
  - B. New and changing revenue sources
  - C. Autonomous vehicles
  - D. Factors leading to consumption declines
- (4) Ports Authority (including Inland Ports)
- (5) Dredging
- (6) Multi-modal Connectivity
- (7) Technology Advancements
- (8) Any other transportation issue



Office of the Speaker  
North Carolina House of Representatives

TIM MOORE  
SPEAKER

HOUSE SELECT COMMITTEE ON STRATEGIC TRANSPORTATION PLANNING AND  
LONG TERM FUNDING SOLUTIONS TO THE HONORABLE MEMBERS OF THE NORTH  
CAROLINA HOUSE OF REPRESENTATIVES

**Section 1.** The House Select Committee on Strategic Transportation Planning and Long Term Funding Solutions (hereinafter "Committee") is established by the Speaker of the House of Representatives pursuant to Rule 26(a) of the Rules of the House of Representatives of the 2017 General Assembly.

**Section 2.** The Committee consists of twenty four members appointed by the Speaker of the House of Representatives. The membership of the Committee shall include legislators as specified below. Members serve at the pleasure of the Speaker of the House of Representatives. The Speaker of the House of Representatives may dissolve the Committee at any time. Vacancies are filled by the Speaker of the House of Representatives. A Chair, Vice Chair, or other member of the Committee continues to serve until a successor is appointed.

Representative John Torbett, Chair	Representative Ken Goodman
Representative Phil Shepard, Vice Chair	Representative George Graham
Representative Frank Iler, Vice Chair	Representative Holly Grange
Representative Michele Presnell, Vice Chair	Representative Kelly Hastings
Representative Jamie Boles	Representative Howard Hunter III
Representative John Bradford	Representative Pat Hurley
Representative Dana Bumgardner	Representative Linda Johnson
Representative Becky Carney	Representative Chuck McGrady
Representative Debra Conrad	Representative Allen McNeill
Representative Nelson Dollar	Representative Susan Martin
Representative John Faircloth	Representative Larry Strickland
Representative John Fraley	Representative Rena Turner

**Section 3.** The Committee may study any of the following:

- {1} Corridor Development
- {2} The future of federal funding
- {3} The future of State revenues

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- A. Demographic changes
- B. New and changing revenue sources
- C. Autonomous vehicles
- D. Factors leading to consumption declines
- (4) Ports Authority (including Inland Ports)
- (5) Dredging
- (6) Multi-modal Connectivity
- (7) Technology Advancements
- (8) Any other transportation issue

**Section 4.** The Committee shall meet upon the call of the Chair. A quorum of the Committee shall be a majority of its members. No action may be taken except by majority vote at a meeting at which a quorum is present.

**Section 5.** The Committee, while in the discharge of its official duties, may exercise all powers provided for under G.S. 120-19 and Article 5A of Chapter 120 of the General Statutes. The Committee may contract for professional, clerical, or consultant services, as provided by G.S. 120-32.02.

**Section 6.** Members of the Committee shall receive per diem, subsistence, and travel allowance as provided in G.S. 120-31.

**Section 7.** The expenses of the Committee including per diem, subsistence, travel allowances for Committee members, and contracts for professional or consultant services shall be paid upon the written approval of the Speaker of the House of Representatives pursuant to G.S. 120-32.02(c) and G.S. 120-33 from funds available to the House of Representatives for its operations.

**Section 8.** The Legislative Services Officer shall assign professional and clerical staff to assist the Committee in its work. The Director of Legislative Assistants of the House of Representatives shall assign clerical support staff to the Committee.

**Section 9.** The Committee may meet at various locations around the State in order to promote greater public participation in its deliberations.

**Section 10.** The Committee may submit an interim report on the results of the study, including any proposed legislation, to the members of the House of Representatives at any time. The Committee may submit a final report on the results of its study, including any proposed legislation, to the members of the House of Representatives prior to the convening of the 2019 General Assembly. Reports shall be submitted by filing a copy of the report with the Office of the Speaker of the House of Representatives, the House Principal Clerk, and the Legislative Library. The Committee terminates upon the convening of the 2019 General Assembly, upon the filing of its final report, or by dissolution by the Speaker of the House of Representatives, whichever occurs first.

Effective this 12th day of September, 2017.

A handwritten signature in black ink, appearing to read "Tim Modre", written over a horizontal dashed line.

Tim Modre  
Speaker



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## **LEGISLATIVE PROPOSALS**

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