



2020 NC
TRANSPORTATION
SUMMIT

*MOVING FROM VISION TO REALITY
AT THE SPEED OF CHANGE*



JANUARY 8-9, 2020 | RALEIGH, NC

CHANGE

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HELP SHAPE THE FUTURE

The following icons appear in various places throughout the program book and mobile app. These icons represent the eight different areas in which NCDOT explored emerging trends shaping transportation in North Carolina as part of an update to the state’s long range transportation plan, the NC Moves 2050 Plan. Find a session that most interests you!



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WELCOME

On behalf of the N.C. Department of Transportation, welcome to the *2020 North Carolina Transportation Summit: Moving from Vision to Reality at the Speed of Change*.

Wednesday and Thursday, we will hear from experts from around the world. They will share insight about new technologies and ways of thinking as we look to address the future of North Carolina's transportation system. It's important that in the face of a growing state and changing industry, we consider disruptive technologies instead of simply responding to them and carefully plan for what's ahead.

The world is changing at a speed never seen before, and we must prepare. These two days offer an opportunity to hear new ideas and consider their value to North Carolina.

Each presenter brings valuable insight. The Exhibit Hall and trade show offer an opportunity to see firsthand the forward-thinking technologies that are now available in the transportation industry and network with the companies that are leading this charge.

We planned these two days to be engaging and for you to have the opportunity to participate via technology (download the Crowd Compass AttendeeHub app). I encourage you to be a part of this, ask questions and share feedback. Your active participation will make this event more effective.

We're glad you're here and, once again, welcome to the 2020 Transportation Summit.

Sincerely,

A handwritten signature in black ink, appearing to read "James H. Trogdon III". The signature is fluid and cursive.

James H. Trogdon III, Secretary
North Carolina Department of Transportation





WELCOME

On behalf of the NC Go! Board of Directors, welcome to the second annual North Carolina Transportation Summit. NC Go! is proud to partner again with the N.C. Department of Transportation on this unique and worthwhile event.

Our state is at a critical juncture. A growing population is intersecting with a transportation funding mechanism – the motor fuels tax – that is out of step with the realities of the 21st Century. As we look to the future, we see a world increasingly shaped by electrification, automation, ride-sharing and other transportation disruptors. Not only do we have to prepare for those changes, we must also plan for financing the changing transportation system of tomorrow.

This is why the presentations you'll see and the speakers you will hear from at the North Carolina Transportation Summit are so critical to how we address the future. Thinking beyond today's system, we must envision the transportation system of the future, chart a course to achieve it and design a sustainable funding plan to meet those future needs.

This is a team effort. Since 2001, NC Go! has worked to educate people about the challenges facing our state's transportation system, and to advocate for solutions. Being a part of the Summit is a first step, but we invite all attendees to join us and become transportation champions and advocates. Let's be bold and together we can find solutions that improve safety, mobility and economic opportunity throughout North Carolina in the decades to come.

Sincerely,

Marc Finlayson, Chair
NC Go!



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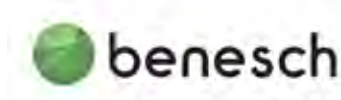
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SPECIAL THANKS

- /// Junior Army ROTC from Western Alamance High School, for presenting the colors;
- /// Jesse C. White, Mass Communications major at N.C. Central University, for singing the National Anthem;
- /// The NCDOT Roadside Environmental Unit for providing the plants and greenery; and
- /// Catered food not served at the Summit will be shared with Food Bank CENC and used to feed local neighbors in need.

AGENDA

DAY 1 – WEDNESDAY, JAN. 8

7-9 a.m.	REGISTRATION	Main Lobby
7:30-8:45 a.m.	BREAKFAST	Exhibit Hall A/B
9-9:30 a.m.	OPENING SESSION	Ballroom A/B
       	<p>Mike Fox, N.C. Board of Transportation, Chairman Marc Finlayson, NC Go!, Chair Jim Trogdon, N.C. Department of Transportation, Secretary</p>	
9:30-10:30 a.m.	KEYNOTE	Ballroom A/B
	Tony Seba , Author <i>Clean Disruption</i> and Co-Founder RethinkX	
10:30-10:45 a.m.	BREAK	Outside Ballroom
10:45 a.m.-12:15 p.m.	GENERAL SESSION 1	Ballroom A/B
 	<p>Jim Trogdon, NCDOT, Secretary</p> <p>NC FIRST COMMISSION: REFLECTIONS ON CREATING CHANGE</p> <p>WELCOME: Tony Lathrop, N.C. Board of Transportation</p> <p>MODERATORS: Ward Nye, NC FIRST Commission, Co-chair The Honorable Nancy McFarlane, NC FIRST Commission, Co-chair</p> <p>PANELISTS: Anita Brown-Graham, UNC School of Government, Professor of Public Law and Government The Honorable James B. Hunt, Jr., Former North Carolina Governor General Dan K. McNeill (Ret.), United States Army</p>	
12:15-1:30 p.m.	LUNCH/EXHIBITORS NETWORKING	Exhibit Hall B/C
12:15-1:30 p.m.	N.C. METRO MAYORS ASSOCIATION (BY INVITATION ONLY)	402
1:45-3:15 p.m.	BREAKOUT SESSIONS	
 	<p>PLANNING BEYOND BOUNDARIES</p> <p>MODERATOR: Grady Hunt, N.C. Board of Transportation</p> <p>PANELISTS: Jennifer Mitchell, Virginia Department of Rail and Public Transportation, Director Trish Hendren, I-95 Coalition, Executive Director Robert Hiatt, Upper Coastal Plain Council of Governments, Executive Director</p>	301 A
 	<p>BRINGING SMART MOBILITY INTO SMART COMMUNITIES</p> <p>MODERATOR: Samuel Bowles, N.C. Board of Transportation</p> <p>PANELIST: Zoe Eather, My Smart Community, CEO</p>	302 A/B/C
 	<p>REDUCING VEHICLE MILES TRAVELED</p> <p>MODERATOR: Thomas Taft, N.C. Board of Transportation</p> <p>PANELIST: Beth Osborne, Transportation for America, Director</p>	305 A/B
3:15-3:30 p.m.	BREAK	Outside Ballroom



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3:30-5 p.m.	GENERAL SESSION 2	Ballroom A/B
 	<p>DATA IN THE AUTONOMOUS AND CONNECTED WORLD</p> <p>MODERATOR: Hugh Overholt, N.C. Board of Transportation</p> <p>PANELISTS: Eric Boyette, N.C. Department of Information Technology, Secretary and State Chief Information Officer</p> <p>Venkat Motupalli, Amazon Web Services, Business Development and Capture Manager (State and Local Government)</p> <p>TJ Costello, Cisco, Global Director for Cities, Communities and Transportation</p>	

	CLOSING REMARKS	Ballroom A/B
	Mike Fox , N.C. Board of Transportation, Chairman	

5:30-7 p.m.	VENDOR RECEPTION/EXHIBITORS NETWORKING	Exhibit Hall B/C
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AGENDA DAY 2 – THURSDAY, JAN. 9

7-9 a.m.	REGISTRATION	Main Lobby
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7:30-9 a.m.	BREAKFAST	Exhibit Hall A/B
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8-9 a.m.	N.C. BOARD OF TRANSPORTATION MEETING	402
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9-10:30 a.m.	GENERAL SESSION 3	Ballroom A/B
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IMPACT OF AUTONOMOUS AND CONNECTED VEHICLES ON LOGISTICS

MODERATOR: **John Pope**, N.C. Board of Transportation

PANELISTS: **Philip Aiello**, UPS, Director, Automotive Advanced Technology, Corporate Automotive Engineering

Wade Long, Volvo, Regional Vice President, Southeast Region

Ritchie Huang, Daimler Trucks, Executive Manager, Advanced Safety Systems and Automated Driving, Safety and Government Affairs

10:30-11 a.m.	BREAK	Outside Ballroom
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11 a.m.-12 p.m.	BREAKOUT SESSIONS	
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3-D PRINTING

MODERATOR: **Lisa Mathis**, N.C. Board of Transportation

PANELISTS: **Megan Kreiger**, USACE Research and Development Center, Lead Mechanical Engineer

Brandy Diggs-McGee, USACE Research and Development Center, Mechanical Engineer

301 A/B



TRAINING AND EDUCATING THE WORKFORCE OF TOMORROW

MODERATOR: **Michael Alford**, N.C. Board of Transportation

PANELISTS: **Peter Hans**, North Carolina Community Colleges, President

Walt Warren, Gregory Poole Equipment Company, Corporate Recruiter

302 B/C

AGENDA DAY 2 – THURSDAY, JAN. 9 (cont.)

11 a.m.–12 p.m.



BREAKOUT SESSIONS (cont.)

URBAN/RURAL CONNECTIONS

306 B/C

MODERATOR: **Jack Debnam**, N.C. Board of Transportation

CLOSING: **Dirk Cody**, N.C. Board of Transportation

PANELISTS: **Rob Hites**, Waynesville Town Manager

Lisa Hughes, Yadkin County Manager

Joel Strickland, Fayetteville Area Metropolitan Planning Organization, Executive Director



IMPACT OF DRONES ON MEDICINE

305 A/B

MODERATOR: **Valerie Jordan**, N.C. Board of Transportation

PANELISTS: **Stuart Ginn, M.D.**, WakeMed, Innovations Medical Director

Rachel Carlstrom, Federal Aviation Administration, UAS IPP Program Manager

12–1:30 p.m.

LUNCH/EXHIBITORS NETWORKING

Exhibit Hall B/C

1:30–2:30 p.m.



BREAKOUT SESSIONS

BUILDING FOR RESILIENCY

301 A/B

MODERATOR: **Allen Moran**, N.C. Board of Transportation

CLOSING: **Gus Tulloss**, N.C. Board of Transportation

PANELISTS: **Don Berchoff**, TruWeather Solutions, CEO

Deborah Matherly, National Cooperative Highway Research Program, Principal Planner



FUTURE TECHNOLOGY OF PERSONAL MOBILITY

302 B/C

MODERATOR: **Nina Szlosberg-Landis**, N.C. Board of Transportation, Vice Chairwoman

PANELISTS: **Ryan Westrom**, Ford Smart Mobility, Head of Mobility Engagement, East Coast

Juliet Hirni, StreetLight Data Inc., Director of Southeast Region



CHANGE IS COMING—BUT HAVE YOU THOUGHT ABOUT...? (NC GO! AND NC METRO MAYORS)

305 A/B

WELCOME: **Billy Clarke**, N.C. Board of Transportation

MODERATOR: **Beau Mills**, Metro Mayors Coalition, Executive Director

PANELISTS: **Marc Finlayson**, NC Go! Chair

Jeff Hill, Boston Consulting Group, Senior Partner and Managing Director

Lisa Poger, Duke Energy, Electric Transportation Manager

2:30–2:45 p.m.

BREAK

Outside Ballroom

2:45–3:45 p.m.

GENERAL SESSION 4

Ballroom A/B



REFLECTIONS FROM NORTH CAROLINA POLICYMAKERS

INTRODUCTION: **Cullie Tarleton**, N.C. Board of Transportation

MODERATOR: **Tom Campbell**, NC SPIN, Producer and Host

Sen. Jim Burgin (Harnett County)

Rep. Becky Carney (Mecklenburg County)

Vivian Jones, Wake Forest Mayor

3:45–4 p.m.

CLOSING REMARKS

Ballroom A/B

Jim Trogdon, NCDOT, Secretary

10 PROFESSIONAL DEVELOPMENT HOURS (PDH)

SPEAKERS



 @NCDOT_Trogdon

James H. Trogdon III N.C. Department of Transportation, Secretary

James H. Trogdon III was appointed secretary of the N.C. Department of Transportation in January 2017. A registered professional engineer with more than 30 years of experience in transportation, Trogdon began his career with the department in 1985 as a highway engineer. He later worked with the N.C. General Assembly as director of Strategic Transportation Planning. In this role, he made recommendations and provided analysis on transportation issues, as well as drafting transportation legislation for General Assembly members.

In 2009, Trogdon was named NCDOT's chief operating officer, a position he held until his retirement in 2013. As COO, he was a key leader in the department's effort to professionalize its decision-making process and become a performance-based organization with an emphasis on accountability and transparency. Trogdon also held several private sector positions after retiring from NCDOT, including national transportation director for SAS Institute.



Marc Finlayson Highway 17/64 Association, Director NC Go!, Chair

Marc Finlayson founded Finlayson Consulting, LLC in 2003 to take advantage of his decades of experience in various disciplines of public affairs work including: public relations; legislative and regulatory affairs; association management; and advertising and marketing. Much of Finlayson's focus has been on transportation, working with clients on public policy and funding, as well as technical compliance issues.

By virtue of his transportation expertise, Finlayson was asked to chair NC Go!, the statewide transportation advocacy coalition. In this role, Finlayson speaks for a robust transportation system in North Carolina across all modes. He has addressed many groups interested in transportation policy and funding. Prior to launching his company, Finlayson served as Weyerhaeuser's North Carolina Communications Manager.

Finlayson earned a Bachelor of Arts degree in News/Editorial Journalism from the University of North Carolina at Chapel Hill. His years reporting on public policy and government for UNC Public Television led him to his advocacy career.



 @Michaelsfox

Michael S. Fox North Carolina Board of Transportation, Chairman

Michael S. Fox joined the N.C. Board of Transportation in March 2017 and represents Division 7. He brings more than 25 years of legal experience to the board and is currently a partner with Tuggle Duggins P.A., a private law practice in Greensboro. Fox has been listed in "Best Lawyers in America" in land use and zoning since 2007 and previously served on the Transportation Board from 2010 to 2013. A resident of Greensboro, Fox is a graduate of Appalachian State University and the University of North Carolina at Chapel Hill School of Law.

SPEAKERS



[@tonyseba](#)

Tony Seba

Author *Clean Disruption* and Co-Founder RethinkX

Tony Seba is a world-renowned thought leader, author, speaker, educator and Silicon Valley entrepreneur. Seba is the author of the #1 Amazon bestselling book *Clean Disruption of Energy and Transportation* and co-author of *Rethinking Transportation 2020-2030*. He is the award-winning creator of the Seba Technology Disruption Framework™. His work focuses on technology disruption, the convergence of technologies, business model innovation, and product innovation that is leading to the disruption of the world's major industries. Seba has been a keynote speaker at hundreds of global events and organizations including Google, the European Commission, Davos, COP21, CLSA, J.P. Morgan, Nomura and Global Leaders Forum. He has taught thousands of entrepreneurs and corporate leaders at Stanford Continuing Studies. Seba has a Stanford Master of Business Administration and a Massachusetts Institute of Technology degree in Computer Science and Engineering.



Philip Aiello

**Director of UPS Automotive Advanced Technology
(Corporate Automotive Engineering)**

Philip Aiello is the Director of United Parcel Service Automotive Advanced Technology (Corporate Automotive Engineering).

He is currently involved with all aspects of automotive advanced technology, disruptive and emerging products, vehicles and alternative propulsion concepts. This includes autonomous vehicles and strategic automotive concepts relating to the delivery logistics network.

Aiello is responsible for development, testing and implementation with evaluation in commercial applications classes 1-8 related to UPS fleet operations. His previous assignments include: UPS Corporate Automotive Director of Global Telematics with global deployment, development, and advanced prognostic analytics; and responsibility as the District Automotive Fleet Director for the past 26 years in the states of New York, Georgia, Florida, Louisiana, Oklahoma and Texas - primarily involved in all fleet maintenance and procedures. Aiello attained Bachelor of Science degrees in Automotive and Business Management from Indiana State University. He is currently based out of Atlanta at UPS Corporate World Headquarters.



Don Berchoff

TruWeather Solutions, CEO

Don Berchoff, a meteorologist by trade, is a co-founder of TruWeather Solutions, and has been the company's CEO since 2015. TruWeather collects and analyzes complex weather data, then reports user-friendly information to drone users, emergency management and the ground transportation and logistics industries.

He is an Air Force veteran and Bronze Star recipient. Berchoff has more than 35 years of combined operational and executive experience in the military, the federal government and in the private sector where he has brought innovation and won several awards for improving business results. While in the military, he designed and led aviation weather operations centers that provided more than 500,000 missions for weather briefs. He also led the National Weather Service's Directorate for Science and Technology from 2008-12, and he advised the National Weather Service's administrator on the development, acquisition and fielding of future weather sensing systems, weather and climate prediction models.

SPEAKERS



🐦 @jeric_boyette

J. Eric Boyette

N.C. Department of Information Technology, Secretary and State Chief Information Officer

Eric Boyette was appointed secretary of the N.C. Department of Information Technology and state chief information officer in April 2017. With more than 20 years of experience, Boyette began his career with the N.C. Department of Transportation and served in several leadership roles, including chief information officer, inspector general and Division of Motor Vehicles commissioner. He also served as the deputy state chief information officer for solution delivery for NCDIT.

Boyette is the president of the National Association of State Chief Information Officers, a position he was elected to in October 2019, and chairs the North Carolina 911 Board. In addition, he is a member of both the Governor's North Carolina Board of Science, Technology & Innovation and the Advisory Council on Hispanic/Latino Affairs. Boyette earned a Bachelor of Science from Barton College and resides in Kenly with wife Dana, son Jay and daughter Morgan.



🐦 @anita4nc

Anita R. Brown-Graham

UNC School of Government, Professor of Public Law and Government

Anita R. Brown-Graham rejoined the University of North Carolina School of Government in 2016 to lead nclIMPACT— a special initiative that seeks to expand the School's capacity to work with public officials on complex policy issues. nclIMPACT has devised programs to support communities working on economic mobility, poverty, the expansion of Pre-K and opioid misuse. Brown-Graham's first tour as a faculty member was from 1994–2006 when she specialized in governmental liability and community economic development.

In 2007, Brown-Graham became the director of the Institute for Emerging Issues at North Carolina State University. There she led IEI's work to build North Carolina's capacity for economic development and prosperity. She is a William C. Friday Fellow, American Marshall Fellow and Eisenhower Fellow. In 2013, the White House named her a Champion of Change for her work at IEI. Brown-Graham earned an undergraduate degree from Louisiana State University and a law degree from the UNC at Chapel Hill.



🐦 @Burgin4Senate

Sen. Jim Burgin **Harnett County**

Sen. Jim Burgin was born in Knoxville, Tennessee, and attended the University of Tennessee-Knoxville, where he graduated with honors and earned a Bachelor of Arts in Business Administration. Sen. Burgin is a longtime resident of Harnett County, North Carolina, and current president and owner of C&D Insurance with two offices located in Harnett County. He also serves as Chairman of the Board for New Horizon Insurance Group, Vice Chair of Central Carolina Community College, and President of B.C. Property Inc., a real estate development company. Sen. Burgin is also a partner in John Hiester Automotive which owns Chevrolet and Chrysler Dodge Jeep dealerships. Previously, Sen. Burgin served two terms as Harnett County commissioner and was the chairman for three years. He is humbled to represent the people of Senate District 12, which encompasses Harnett, Lee and Johnston Counties. Sen. Burgin and his wife, Ann, have been married 39 years, and have three children and three grandchildren.

SPEAKERS



Rachel Carlstrom

FAA, Unmanned Aircraft Systems IPP Program Manager

Rachel holds a degree in aeronautical science and aviation management and is an Airline Transport Pilot with multi-engine rating. Rachel has experience as a corporate and 135 on-demand charter pilot and instructor. Rachel started working for the Federal Aviation Administration in 2011 as an Aviation Safety Inspector at the Des Moines, Iowa Flight Standards District Office. She began working with a primary focus on all Unmanned Aircraft System and new entrant activities for the Air Carrier Transportation Division. Additionally, she has been the Integration Pilot Program team lead for Part 135 Air Carrier Certifications since January 2018. In February 2019, she began her role as the Senior Leadership Team Program Manager for the IPP North Carolina and Memphis portfolios.



Tom Campbell

NC SPIN, Producer and Host

North Carolina Hall of Fame broadcaster Tom Campbell is the creator, executive producer, and moderator of NC SPIN. Tom comes from a rich family tradition of public involvement in North Carolina. His family founded Campbell University as well as WNCT-TV, the first television station in eastern North Carolina. Tom worked in his family's broadcast business for over 24 years, writing and delivering daily radio editorials.

NC SPIN gives him the opportunity to involve two of his passions: broadcasting and politics. Prior to starting NC SPIN, Campbell was the Assistant Treasurer for North Carolina, licensee of WRZA-TV "FOX50" in the Raleigh-Durham market, and co-founder of The Family Business Institute, a consulting firm for family and closely held companies. His editorials have appeared in newspapers across the state and he is often a guest of talk radio stations.

 @tomcampnc



Rep. Becky Carney

(Mecklenburg County)

Rep. Becky Carney is in her ninth term in the North Carolina House of Representatives. She was elected to the Mecklenburg Board of County Commissioners in 1996 and served three consecutive terms. As a result of her outstanding service, Rep. Carney was named North Carolina's County Commissioner of the Year in 2000.

Rep. Carney has been Vice Chair of the House Transportation Committee since 2010. She also serves on the Banking, Education-Universities, Ethics, Finance, Health, and Rules, Calendar and Operations of the House committees, among others. She Co-Chairs the Justus-Warren Heart Disease and Stroke Prevention Task Force, the Joint Legislative County Caucus and the Joint Arts Caucus.

Rep. Carney chaired the House Transportation Committee from 2007-2010. During that time, she sponsored legislation that would relieve congestion and fund intermodal transportation through local government grants. She has been a member of the Joint Legislative Transportation Oversight Committee for many years. In 2009, she received the North Carolina Metropolitan Mayors Award and Triangle Transit Award.

Rep. Carney and her husband, Gene, have 6 children and 14 grandchildren.

 @RepBeckyCarney

SPEAKERS



[@tjcostello4](#)
[linkedin.com/in/costellotj](https://www.linkedin.com/in/costellotj)

TJ Costello

Cisco, Global Director for Cities, Communities and Transportation

As Cisco's Global Director for Cities, Communities and Transportation, TJ Costello brings a breadth of experience in market strategies and strategic alliances to the role. He works with cities, government and transportation organizations around the world. Costello helps leaders identify strategies and solutions to address their operational challenges and leverage digital infrastructure effectively and securely. He is focused on helping his customers become smarter, more sustainable, more productive and more responsive to their constituent groups.

Growing up in a large family, one could say he was thrust into management at an early age as solving problems in a team environment was a daily occurrence. Today, Costello and his team drive outcome-based technology solutions that help transform their own communities, and worldwide. Helping others succeed is a core value for Costello, as well as a key characteristic for what he looks for in team members.

Costello is a graduate of St. Michael's College and resides in Manchester, Massachusetts, with his wife and son.



Brandy Diggs-McGee

USACE Research and Development Center, Research Mechanical Engineer

Brandy Diggs-McGee is Site Lead for the Construction Engineering Research Laboratory's Additive Construction Technology Program, specializing in energy efficiency and safety. She frequently assesses best practice and develops methods for optimization of ACT. Her research on building envelopes incorporates performance and technologies, including investigation of materials for thermal and infiltration improvements, validation, testing, and data modeling. In this role, she leads efforts in developing standards and best practices for safety in ACT.

Her team recently printed a 33-foot concrete bridge with the U.S. Marine Corps at Camp Pendleton, California, and previously printed two 16' x 32' reinforced concrete buildings which are the largest in-place printed concrete structures in North America to date. Diggs-McGee's current and recent work includes research and development of additive construction, energy and safety throughout the technology. She earned her Master of Science in Civil Engineering in 2017, after earning her Bachelor of Science in Architectural Engineering in 2015.



Zoe Eather

My Smart Community, CEO

Zoe Eather is an Australian engineer and millennial with a passion for smart communities, both in larger cities and across regions. She blends the use of emerging technology and trends in smart cities to help make the places where we live more accessible, livable and sustainable for all. Her background includes civil construction, project management, environmental engineering and advanced and emerging transportation technologies.

Through her boutique consulting firm, My Smart Community, she offers "Smart Community" advisory services, including: smart mobility; smart project management; smart technology in regional communities; and coping with disrupting technologies. She keeps up with the latest trends and shares what she has learned by hosting The Smart Community podcast. She recently completed a worldwide tour researching smart mobility as part of the prestigious Winston Churchill Fellowship.

[@smartcommHQ](#)

SPEAKERS



Stuart Ginn, M.D.
WakeMed Innovations, Medical Director

Stuart Ginn is an ENT – Head and Neck Surgeon and innovation leader at WakeMed Health and Hospitals in Raleigh, North Carolina, where he also leads system-wide innovation efforts as the Medical Director of WakeMed Innovations. He is a former flight instructor and spent several years as an airline pilot prior to his medical and surgical training. In his role at WakeMed Innovations, he led the inception and implementation of the nation’s first drone-based medical package delivery system in partnership with NCDOT, the FAA and technology and logistics partners. He is an advisor to several technology companies and service providers in the emerging advanced mobility and automation industry and is passionate about leading ethical and robust growth in the sector.



Peter Hans
North Carolina Community College System, President

Peter Hans is president of the North Carolina Community College System. He grew up in Southport, North Carolina, on the coast and Hendersonville, North Carolina, in the mountains before earning degrees from University of North Carolina at Chapel Hill and Harvard University. Hans worked as senior policy advisor to three members of the United States Senate and counseled the private sector on public affairs at one of North Carolina’s largest law firms. He previously served as vice chair of the State Board of Community Colleges and chair of the UNC System Board of Governors. On May 1, 2018, he became the ninth president of the North Carolina Community College System.



Patricia Hendren, Ph.D.
I-95 Corridor Coalition, Executive Director

Patricia (Trish) Hendren is the Executive Director of the I-95 Corridor Coalition, a partnership of more than 100 state transportation agencies, toll authorities and public safety organizations from Maine to Florida who keep people and goods moving throughout one of the world’s busiest transportation corridors. Under Hendren’s leadership, the Coalition has embarked on and enhanced initiatives related to incident management, traveler information, supply chain performance, freight planning, truck parking, toll reciprocity, connected and autonomous vehicles and funding alternatives. She is actively engaged in the Transportation Research Board and her contributions to the field have been recognized in recent awards from Women’s Transportation Seminar and Eno.

SPEAKERS



 @R_C_Hiett

Robert Hiett

Upper Coastal Plain Council of Governments, Executive Director

Robert Hiett serves as the Executive Director for the Upper Coastal Plain Council of Governments located in Wilson, North Carolina. The UCPCOG is a regional council of governments that serves Edgecombe, Halifax, Nash, Northampton and Wilson counties. The council administers aging services, economic development, planning and workforce development programs.

He is the Vice Chairman of the Rural Planning Organizations of America, the Southeast Regional Director of the Community Transportation Association of America, the Vice Chairman of the North Carolina Association of Regional Councils of Government and an active member of the North Carolina Public Transit Association.

Hiett has 20 years of experience working with rural and urban transportation programs. He served six years as the president of the Georgia Transit Association, more than 10 years as its legislative committee chairman and is a member of the GTA Hall of Fame.



Jeff Hill

Boston Consulting Group, Senior Partner and Managing Director

Jeff has more than 20 years of experience helping infrastructure clients across the public and private sector, and has worked with cities, state governments, transport agencies, utilities and auto manufacturers on designing and implementing future cities' strategies. He has lead BCG's global Engineering and Construction practice area, as well as sitting on the Infrastructure Leadership team. Jeff has also managed BCG's work with the World Economic Forum on strategic infrastructure.

In addition, he has extensive experience in developing and launching new businesses, especially in mobility, automotive, renewable energy and power, construction, business services and logistics. These business builds include building new digital platforms/marketplaces, leveraging data monetization at scale, and developing new products and services along with the necessary organization and processes to deliver them successfully.



Juliet Hirni

StreetLight Data, Director of the Southeast Region

Juliet Hirni is the director of the Southeast Region at StreetLight Data, working with DOTs, MPOs and municipalities to put big data to work. She is based in Fairfax, Virginia, and brings more than 25 years of strategic account focus working on disruptive and/or emerging technologies. She holds a Bachelor of Arts in Public Relations from the University of Wisconsin-Whitewater.

SPEAKERS



Rob Hites
Waynesville Town Manager

Rob Hites has been involved in municipal management almost continually since 1977 in municipalities varied in size from Pittsboro to Durham, from the coast to the mountains, and in urban and rural areas. In addition to his current post in Waynesville, North Carolina, he has served in Southport, Lumberton, Statesville and Monroe. He has been involved in the International City/County Managers Association and the NC City/County Managers Association, and has served as the Director of the Statesville Chamber of Commerce. Hites has a Bachelor of Arts in political science from University of North Carolina -Greensboro and a Master of Public Administration in urban management from American University, as well as certifications from the School of Government at UNC-Chapel Hill.



Ritchie Huang
Daimler Trucks, Executive Manager, Advanced Safety Systems and Automated Driving, Safety and Government Affairs

Ritchie Huang is a member of the Automated Truck R&D Center where he leads all the governmental affairs activities and strategy for Daimler Trucks North America. His primary focus is on safety and crash reduction as it intersects with legislation, regulation and policy for advanced safety systems and automated driving technology.

Huang serves as the primary interface for the U.S. federal, state and municipal governments along with Canada and its provinces. He joined Daimler in January 2017 after serving in the USDOT for the National Highway Traffic Safety Administration where his focus was in crash avoidance systems and automated vehicle safety. Prior to the government sector, he worked as an active safety engineer for Honda Research and Development and in the consumer electronics industry for Sony Technology Center. As a result of his career background, he holds various patents that range across wireless communications, speech recognition and machine vision technology.

Huang is a graduate from the University of Michigan in Neuroscience, and Industrial and Systems Engineering.



The Honorable Jim B. Hunt, Jr.
Former Governor of North Carolina

Former Gov. Jim Hunt (1977-1985, 1993-2001) served four historic terms as governor of North Carolina. Under his leadership, North Carolina public schools improved test scores more than any other state in the 1990s according to the Rand Corporation. In 1999, Hunt called for the state to be first in America by 2010. To further this mission, he chairs the board of The Hunt Institute. An affiliate of the Duke University Sanford School of Public Policy, The Institute was established in 2001 to work with current and emerging political, business and education leaders on a national level to improve public education.

Hunt focused on early childhood development and the improvement of quality of teaching. His Smart Start program received the prestigious Innovations in American Government Award from the Ford Foundation and the John F. Kennedy School of Government at Harvard University. In 1985, he co-chaired the "Committee of 50," which led to the Carnegie Forum on Education and the Economy and eventually to the National Board for Professional Teaching Standards.

SPEAKERS



Megan Kreiger

USACE Research and Development Center, Lead Mechanical Engineer

Megan Kreiger leads the Construction Engineering Research Laboratory Additive Construction Technology program, which developed concrete printers to print custom-designed, expeditionary structures, on-demand and in the field using locally available materials. She is internationally recognized for her work in Additive Construction as a 2018 Engineering News-Record Top 25 Newsmaker, 2018 National Academy of Engineers - Frontiers of Engineering participant, and a 2018 USACE Innovation Award recipient. Her team recently printed a 33-foot long concrete bridge with the U.S. Marine Corps after completing two 16' x 32' reinforced concrete buildings, which are the largest in-place printed concrete structures in North America to date. Her current work includes research and development of additive construction/manufacturing technologies and utilizing innovative feedstocks such as recycled polymers and cementitious materials.

Kreiger earned her Master of Science in Material Science and Engineering and graduate certificate in Sustainable Futures from Michigan Technological University in 2012, after earning a Bachelor of Science in Mathematics in 2009.



Wade Long

Volvo Trucks North America, Regional Vice President, Southeast Region

Wade Long is Regional Vice President, Southeast Region for Volvo Trucks in North America. In this position, he directs and manages district sales managers to achieve truck sales and market share goals through the dealer locations.

Long has held various positions in product marketing, product planning and product development since joining Volvo in 1997. In his previous role with Volvo Trucks' product marketing group, he led the marketing requirements for new vehicle projects and managed the technical information supporting new products and launches. Other roles included the product planning group where he developed prerequisites for future truck programs. He also worked in Volvo's technology and powertrain organizations, where his primary responsibilities included chassis and engine installation projects.

He holds a Bachelor of Science degree in Manufacturing Engineering Technology from Bradley University and a Master of Business Administration degree from the University of North Carolina - Greensboro.



Deborah Matherly

National Cooperative Highway Research Program, Principal Investigator and Planner

Deborah (Deb) Matherly, who works for the WSP national consulting firm, is the principal investigator and planner for two current projects for the National Cooperative Highway Research Program. She has 40 years of transportation planning experience in the public and private sector. Her focus for almost 20 years has been on emergency transportation and resilience, after the 2001 terrorist attacks and Hurricanes Katrina and Sandy and other events compelled the country to address these kinds of threats to the transportation network. For the past decade, she has led six prestigious research and applications studies for the Transportation Research Board. The more recent research includes *An Emergency Management Playbook for State Transportation Agencies* (2020-2021) and *Improving the Resilience of Transit Systems Threatened by Natural Disasters* (2016-2017). She works in Lexington, South Carolina.

SPEAKERS



📧 @NancyMcFarlane

The Honorable Nancy McFarlane **NC FIRST Commission, Co-Chair**

The Hon. Nancy McFarlane is the former mayor of Raleigh, North Carolina, a position she held from 2011-2019. As mayor, McFarlane led numerous efforts, including expanding public transit and updating the city's Unified Development Ordinance. She was instrumental in the city's purchase of Dorothea Dix Park – securing the property for development as a world-class destination park for the public. McFarlane also chairs the Raleigh City Council's Economic and Innovation Committee.

Prior to McFarlane's public service, she worked as a pharmacist while raising her family. In 2002, she launched MedPro Rx, Inc., an accredited specialty infusion pharmacy that provides medications and services for clients with chronic illnesses. McFarlane is a graduate of the School of Pharmacy at Virginia Commonwealth University.



📧 @danmcneill_k

General Dan K. McNeill (Ret.) **United States Army**

Dan Kelly McNeill is a retired four-star general in the United States Army. McNeill served in the U.S. Army from 1968 to 2008. He was commander of the Coalition Forces in Afghanistan from 2002 to 2003 and served as commanding general of the U.S. Army Forces Command from 2004 to 2007. He then served as commander of the International Security Assistance Force in Afghanistan from Feb. 1, 2007 to June 3, 2008.

A North Carolina native, McNeill obtained a Bachelor of Science in agriculture and forestry from North Carolina State University in 1968. He is also a 1989 graduate of the United States Army War College. In 2003, he attended the United States Army Command and General Staff College, obtaining an honorary degree from North Carolina State University.

McNeill is a highly decorated officer, holding several awards and decorations including the Defense Distinguished Service Medal, the Army Distinguished Service Medal with one bronze oak leaf cluster, the Army Commendation Medal with two oak leaf clusters and the Bronze Star with two bronze oak leaf clusters.



Jennifer Mitchell **Virginia Department of Rail and Public Transportation, Director**

Jennifer Mitchell has served as the Director of the Virginia Department of Rail and Public Transportation for six years where she has led the planning, programming and implementation of transformational rail and public transit projects across the Commonwealth.

Her administration of a nearly \$800 million annual public transit program has included accomplishments like the Richmond Bus Rapid Transit project, governance and funding reforms for Washington Metropolitan Area Transit Authority, implementation of SMART SCALE for transit, toll revenues to transit, and reform of the statewide transit program with a focus on strategic planning and accountability. On the rail side, Mitchell also led the extension of Amtrak services to Roanoke, a second daily rail service to Norfolk, and is currently embarking on the nearly \$2 billion Long Bridge project, Virginia's top priority for the future of rail.

She is a member of the Women's Transportation Seminar Foundation Board of Directors, WTS Governance Committee, APTA Strategic Planning Committee and Innovative Finance/P3 Committee, and the Eno Center for Transportation's Board of Regents.

SPEAKERS



🐦 @VMots

Venkat Motupalli

**Amazon Web Services,
Business Development and Capture Manager for State and Local Government**

Venkat Motupalli runs Amazon Web Services' (AWS) state and local government business development and capture practice in the eastern United States. He helps enable customers to serve constituents with the capabilities of the AWS Cloud. Previously, Motupalli was Chief Information Officer of the New York City Department of Veterans' Services, charged with creating transformational digital products for the city's veterans and their families. Prior to that, he served in a variety of leadership roles, including at Honeywell's National Security Campus.

Motupalli began his career in the United States Army and is a Distinguished Member of the 502nd Infantry Regiment. He has a master's degree in Applied Science and Informatics from New York University, a master's in Engineering Management from the University of Kansas, and a bachelor's in Physics from the United States Military Academy at West Point.



C. Howard Nye

NC FIRST Commission, Co-Chair

C. Howard (Ward) Nye is chairman and CEO of Martin Marietta, a leading supplier of aggregates and heavy building materials. He also previously served as Martin Marietta's chief operating officer. Prior to joining the company in 2006, Nye spent 13 years with British-based Hanson PLC, then one of the world's largest suppliers of heavy building materials.

Nye is a past Chairman of the Board of the National Stone, Sand & Gravel Association; he presently serves as incoming Chairman of the Board of the American Road & Transportation Builders Association and of the NC Chamber. Nye is also a member of the Board of Directors of the U.S. Chamber of Commerce, the world's largest business organization. Nye has served other organizations including the North Carolina Business Council of Management and Development, Inc., Co-Chair of the NC FIRST Commission, and as a gubernatorial appointee to the North Carolina Mining Commission.

Nye received a bachelor's degree from Duke University and a law degree from Wake Forest University. Nye and his wife, Laura, reside in Raleigh, North Carolina, and have three grown children.



🐦 @BethOsborneTA

Beth Osborne

Transportation for America, Director

Beth Osborne serves as the director of Transportation for America, which seeks a transportation system that provides access to jobs and services by multiple means of travel. The organization does this through advocacy, technical assistance and analysis of transportation programs. Osborne was previously at the U.S. Department of Transportation where she served as the Acting Assistant Secretary for Transportation Policy. At USDOT, she managed the TIGER Discretionary Grant program (now known as BUILD), the secretary's livability initiative, and the development of the administration's surface transportation authorization proposal.

Before joining USDOT, Osborne worked for Sen. Tom Carper (DE) as a legislative assistant and at the Southern Governors' Association legislative director for environmental policy. She began her career in Washington, D.C., in the House of Representatives working as a legislative assistant for Rep. Ron Klink (PA-04) and as legislative director for Rep. Brian Baird (WA-03).

SPEAKERS



Lisa Poger

Duke Energy, Electric Transportation Manager

Lisa Poger joined Duke Energy in 2018 as Electric Transportation Manager for North Carolina to assist electric vehicle program implementation and outreach and education efforts for the advancement of transportation electrification across Duke Energy's North Carolina service territories.

She formerly worked at Advanced Energy North Carolina where she managed electric transportation projects and led the North Carolina statewide electric vehicle collaborative, Plug-in NC, which brought together industry supporters and stakeholders to identify and address barriers affecting electric transportation market-transformation. In her role at Advanced Energy she worked closely with electric utilities and other industry stakeholders to support electric vehicle growth, deployment of electric vehicle fueling infrastructure, and the creation of utility programs to manage new EV charging loads.

Prior to joining Advanced Energy, Poger worked at Pacific Gas & Electric Company in northern California, where she managed emergency demand-side curtailment programs and enrollment for large commercial and industrial accounts.

Lisa and her family currently reside in Raleigh, North Carolina.



Walt Warren

Gregory Poole Equipment Company, Corporate Recruiter

Walt Warren was born in Clinton, North Carolina in 1973. He graduated from N.C. State University in 1998 with a bachelor's degree in communications.

Walt worked for various temp agencies throughout Wake County, helping others find employment in various fields including assembly line work, administrative, accounting, IT and high-level executive positions. He found an opportunity to start a new career as a corporate recruiter with Gregory Poole in August of 2006.

In this role, his responsibilities had him recruiting for the construction, forklift, truck, generator and marine divisions. He would travel heavily, working from central North Carolina to coastal North Carolina, and across South Carolina and Virginia. With the addition of two more recruiters, the need for Walt to travel has slowed, but he continues to remain busy.

Walt likens working at Gregory Poole to "winning the lottery" and considers the company as "a family that holds its values and ethics high, and provides second to none customer service because people make the difference."

SPEAKERS



 @Westy33

Ryan Westrom

Ford Mobility, Head of Mobility Engagement, East Coast

Ryan Westrom is Head of Mobility Engagement for the East Coast within Ford Mobility's City Solutions group, with a focus on the ongoing AV testing happening in Miami and Washington, DC. Prior to this role, Westrom was Mobility Partnerships Lead for Ford's Greenfield Labs in Palo Alto, California, who, through human-centered design, are exploring the future of mobility. Before coming to Ford, he was a transportation planner and engineer at the District Department of Transportation in Washington, DC.

A licensed Professional Engineer and certified Professional Transportation Planner, Westrom holds undergraduate degrees in civil engineering and urban planning from the University of Illinois, a Master of Science in Transportation from Massachusetts Institute of Technology and has more than 18 years of experience in the realm of transportation. A native of Minnesota, he has also worked in Boston and Chicago. He's a husband and father of three girls. Westrom is a city dweller, basketball junkie, news reader (538, Kottke, The Ringer, *New York Times*), sports enthusiast, politico, and traveler, in pursuit of livable places and social justice.

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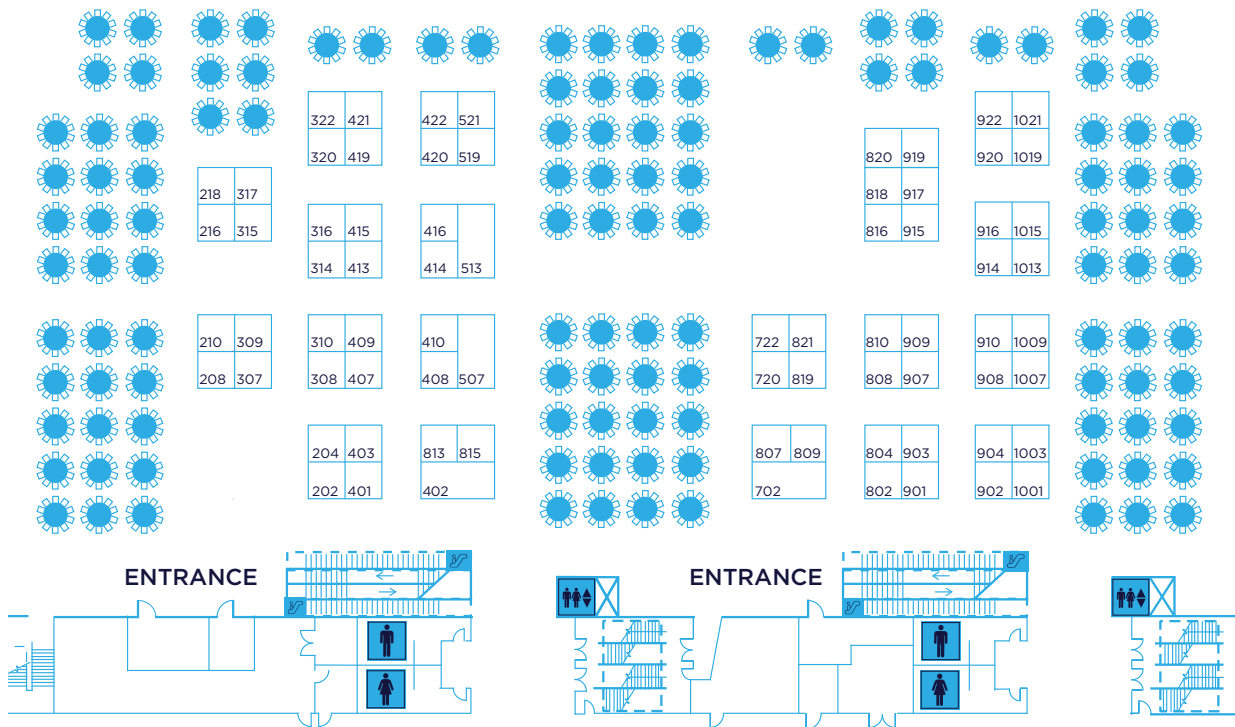
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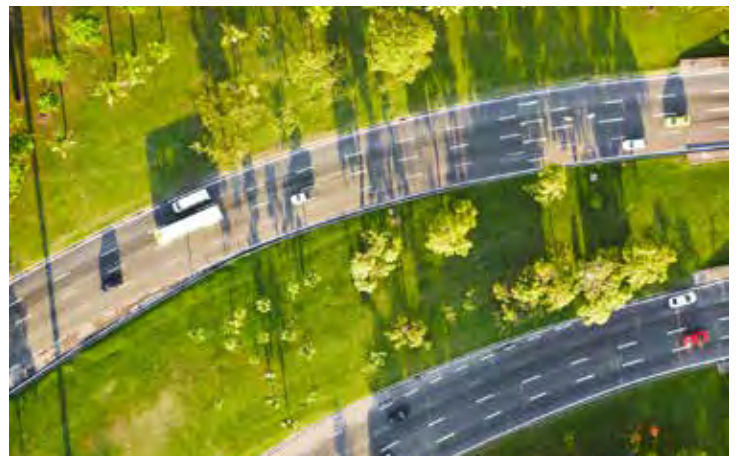
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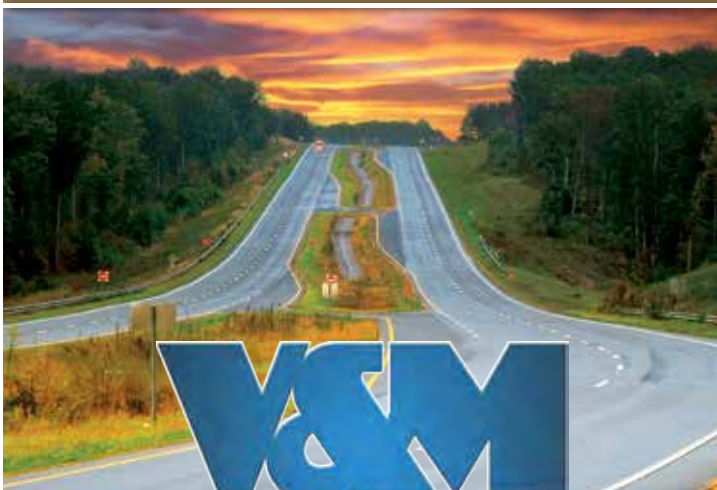
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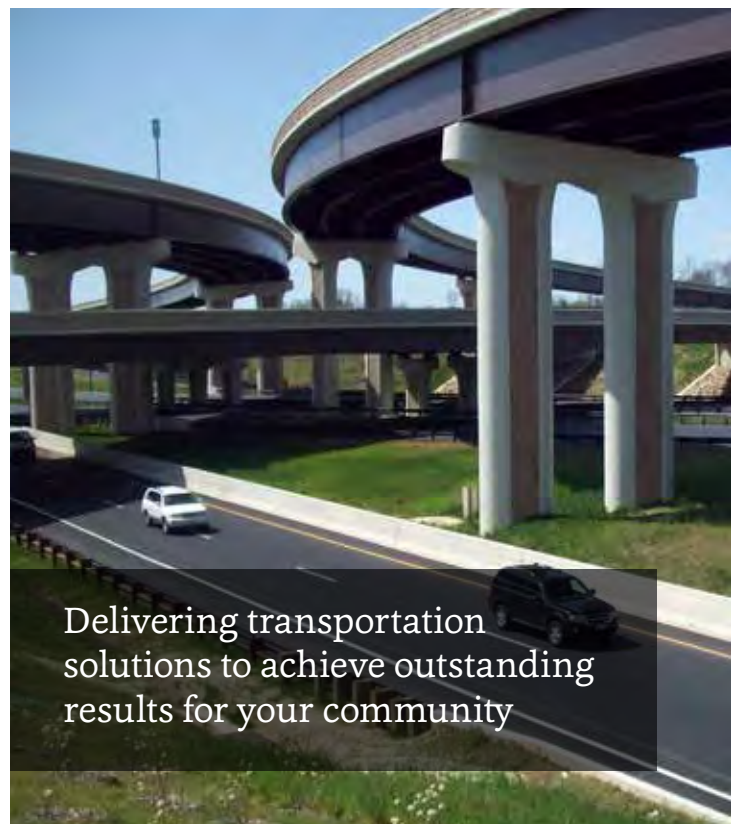
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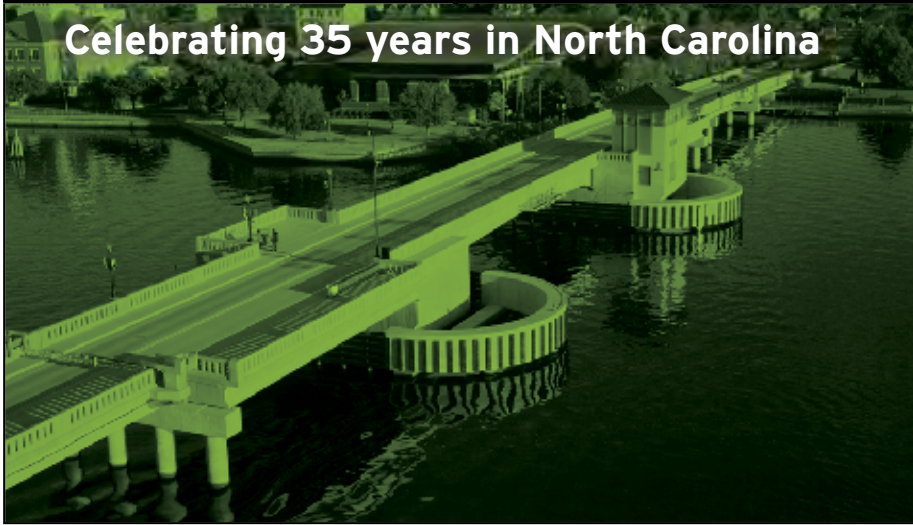
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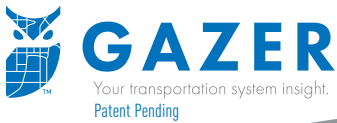
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