

23rd Annual

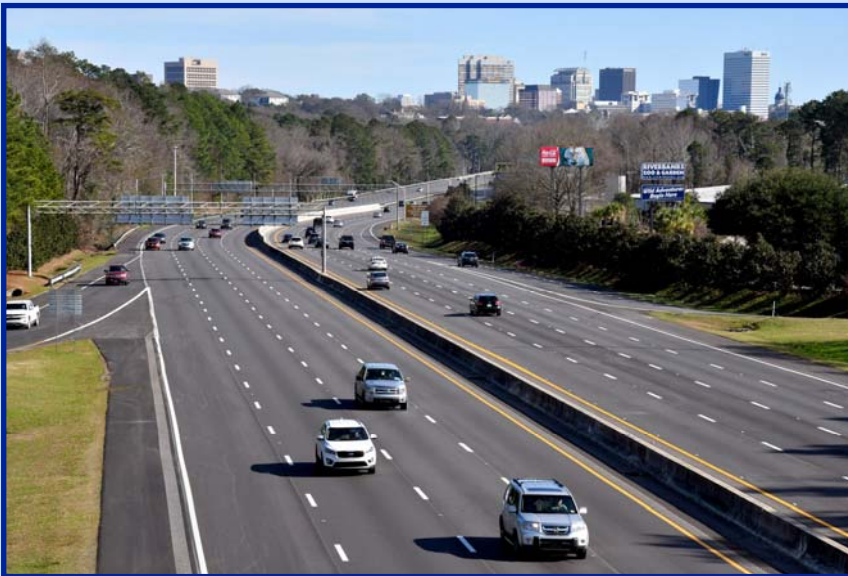
ACEC-SC / SCDOT

MEETING AND TRADE SHOW

Tuesday, December 8, 2020

Virtual

8:30 am to 4:45 pm



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23RD ANNUAL ACEC-SC/SCDOT MEETING

AGENDA

Tuesday, December 8, 2020

<p>8:30 am - 9:30 am</p>	<p style="text-align: center;">Trade Show Open</p> <p style="text-align: center;">Welcome: Jason Eppley, PE - Davis & Floyd - ACEC-SC Chairman of the Board David Taylor, PE, Stantec - <i>SCDOT/ACEC-SC Co-Chair</i> John Boylston, PE, SCDOT Director of Preconstruction - <i>SCDOT/ACEC-SC Co-Chair</i></p> <p style="text-align: center;">Opening Remarks Emily O. Lawton, FHWA South Carolina Division Administrator</p> <p style="text-align: center;">Morning Keynote Leland Colvin, PE, SCDOT Deputy Secretary of Engineering</p>		
<p>9:30 am - 9:40 am</p>	<p style="text-align: center;">Break</p>		
<p>9:40 am - 10:30 am</p>	<p style="text-align: center;">Morning Track 1</p>	<p style="text-align: center;">Morning Track 2</p>	<p style="text-align: center;">Morning Track 3</p>
	<p style="text-align: center;">Roy Tolson – Gannett Fleming Moderator</p> <hr/> <p style="text-align: center;">Rodanthe Bridge - A Study of Contractor & Designer Collaboration <i>David Peterson, PE - RK&K</i> <i>Jeremy Keene, PE - RK&K</i></p>	<p style="text-align: center;">Theresa McClure - HDR Moderator</p> <hr/> <p style="text-align: center;">Alternative Public Involvement <i>Ted Creech - SCDOT</i> <i>Wendy Nicholas - SCDOT</i> <i>Nicole Riddle - SCDOT</i></p>	<p style="text-align: center;">Melvin Williams - S&ME Moderator</p> <hr/> <p style="text-align: center;">Strategic Highway Safety Plan <i>Duncan Smith, PE - SCDOT</i> <i>Emily G. Thomas - SCDOT</i></p>
<p>10:40 am - 11:30 am</p>	<p style="text-align: center;">Bridge Preservation and Rehabilitation/Seismic Isolation Bearings <i>Rick Nelson, PE - Gannett Fleming</i> <i>David Taylor, PE - Stantec</i></p>	<p style="text-align: center;">Waters of the United States Rule <i>Matt O'Brien - SCDOT</i></p>	<p style="text-align: center;">Benefits of Transit Signal Priority Lowcountry Rapid Transit BRT <i>Sharon Hollis, AICP - BCDCOG</i> <i>Laura McCutcheon, PE - HDR</i> <i>Robert Acevedo, PE - HDR</i></p>
<p>11:30 am - 12:00 pm</p>	<p style="text-align: center;">Break</p>		
<p>12:00 pm - 1:00 pm</p>	<p style="text-align: center;">Lunch Keynote Address "Leadership, Perspective, and Positivity" with Corporal William Kyle Carpenter, USMC (Retired)</p>		
<p>1:10 pm - 2:00 pm</p>	<p style="text-align: center;">Afternoon Track 1</p>	<p style="text-align: center;">Afternoon Track 2</p>	<p style="text-align: center;">Afternoon Track 3</p>
	<p style="text-align: center;">Petrina Butler, PE - Michael Baker International Moderator</p> <hr/> <p style="text-align: center;">Emergency Bridge Repair <i>Derek Stalon, PE - CTEA</i> <i>Jeff Mulliken, PhD., PE - HOLT Consulting</i> <i>Stephen Fowler, PE - RS&H</i> <i>Andrew Smith, PE - RS&H</i></p>	<p style="text-align: center;">Emily Swearingen, PE - AECOM Moderator</p> <hr/> <p style="text-align: center;">SCDOT Feasibility Study and Project Programming Updates <i>Betsy McCall, PE - SCDOT</i> <i>Erin Porter, PE, PMP - SCDOT</i></p>	<p style="text-align: center;">Alex Bennett - SCDOT Moderator</p> <hr/> <p style="text-align: center;">SCDOT Initiatives in Support of Walking and Cycling <i>Emily G. Thomas - SCDOT</i> <i>Rick Reiff, PE, PTOE, RSP₂₁, Kimley-Horn</i> <i>Rob Bedenbaugh, PE - SCDOT</i></p>
<p>2:10 pm - 3:00 pm</p>	<p style="text-align: center;">Launching SCDOT Load Rating Update <i>Emily Berry, PE, Assoc. DBIA - SCDOT</i> <i>Philip Quillin, PE, PMP - Michael Baker International</i></p>	<p style="text-align: center;">Transportation Sales Tax Program Panel Discussion <i>Patrick Hamilton, PE - York</i> <i>Richard Turner, PE - Charleston</i> <i>Jason Thompson, PE - Horry</i></p>	<p style="text-align: center;">Utility Coordination Forum and Update <i>Cedric Keitt, PE - SCDOT</i> <i>Vanetta Jackson - SCDOT</i> <i>Jack Locklair, PLS - SCDOT</i> <i>Carlos Gittens, PE - KCI</i> <i>Bill Stricker - CarolinasAGC</i></p>
<p>3:00 pm - 3:15 pm</p>	<p style="text-align: center;">Break</p>		
<p>3:15 pm - 4:45 pm</p>	<p style="text-align: center;">Afternoon Keynote SCDOT Interstate Program Update: Leland Colvin, PE, SCDOT Deputy Secretary of Engineering SCDOT Program and Procurement Update: Leland Colvin, PE, SCDOT Deputy Secretary of Engineering SCDOT Two Tier Selection Update: Justin Powell, SCDOT Deputy Secretary of Finance</p>		



W E L C O M E & O P E N I N G S E S S I O N

8:30 - 9:30 am

Welcome

Jason Eppley, PE - Davis & Floyd - ACEC-SC Chairman of the Board



Jason Eppley is the current Chairman of the Board of ACEC-SC and the Chief Operating Officer at Davis & Floyd. As Chief Operating Officer at Davis & Floyd, Eppley is responsible for the overall daily business operations of the firm. He is a Professional Engineer with over 20 years of experience in the field of structural design and multi-discipline project management. He received his Master of Engineering in civil engineering with an emphasis in structural and Bachelor of Science in civil engineering from Clemson University.

In addition to ACEC-SC, Eppley is affiliated with the American Concrete Institute, American Institute of Steel Construction, American Society of Civil Engineers, and Society of American Military Engineers.

David Taylor, PE, Stantec - SCDOT/ACEC-SC Co-Chair



David Taylor, P.E., S.E. graduated with a B.S. Degree in Civil Engineering in England and a Master's Degree from The University of South Carolina. He is registered as a Professional Engineer in the State of South Carolina and seven other states. David is the Managing Principal for Stantec in Columbia and a Senior Structural Engineer and Project Manager. David is active on the American ACEC-SC Partnering Committee and has been involved in teaching as an Adjunct Professor at the University of South Carolina.

John Boylston, PE, SCDOT Director of Preconstruction - SCDOT/ACEC-SC Co-Chair



John Boylston graduated in 1990 from Clemson University with a Bachelor of Science Degree in Civil Engineering and is a registered Professional Engineer in South and North Carolina. As Director of Preconstruction, he is responsible for project development statewide and manages a division of 250 engineers, technicians, and surveyors. He has been with the SCDOT for 12 years and worked in the private sector for 15 years prior to his time at the Department.

In addition to ACEC, Eppley is affiliated with the American Concrete Institute, American Institute of Steel Construction, American Society of Civil Engineers, and Society of American Military Engineers.

Opening Remarks

Emily O. Lawton, FHWA South Carolina Division Administrator



In June 2015, Emily Lawton became the Division Administrator for the FHWA South Carolina Division. In this capacity she leads a multi-disciplinary staff of 19 professionals responsible for the delivery of the federal-aid program in South Carolina and provides leadership and guidance to FHWA's state, local, and federal partners.

Prior to her appointment as Division Administrator, Emily served as the Assistant Division Administrator in Oregon for 11 years. Emily joined FHWA's Highway Engineer training program in 1991 and has held various assignments throughout the US including the Division Offices in Virginia and North Carolina. Emily is a native of North Carolina and holds a Bachelor's Degree in Civil Engineering from North Carolina State University. She lives in Chapin with her husband and three teenage children.

Morning Keynote

Leland Colvin, PE, SCDOT Deputy Secretary for Engineering



Leland Colvin has more than 20 years of dedicated service with SCDOT. He has served in several leadership roles for the agency. Before becoming Deputy Secretary for Engineering, he served as Chief Engineer for Project Delivery where he oversaw the Construction, Pre-Construction, Rights-of-Way, and Environmental divisions.

Prior to that position, Colvin served in other key management positions, including Chief Engineer for Operations, Director of Construction, and Statewide Design/Build Engineer.

Colvin earned his B.S. in Civil Engineering from the University of South Carolina but is a die hard Tiger fan. He is a Registered Professional Engineer in South Carolina and a native of Lugoff, SC.

B R E A K O U T S E S S I O N S

9:40 - 10:30 am

Rodanthe Bridge - A Study of Contractor & Designer Collaboration

David Peterson, PE - RK&K



David Peterson, PE, RK&K Director, Structures. Lead Design Engineer for the Rodanthe Bridge Project. David has 38 years of design and design-build experience. His work includes the structural design of short, medium and long span steel, curved steel, concrete and prestressed concrete bridges for highway and transit projects for state departments of transportation, transit agencies and municipalities.





Jeremy Keene, PE, RK&K Project Manager, Structures. Engineer of Record for the Superstructure and Lead Construction Support for the Rodanthe Bridge Project. Jeremy has 12 years of structural design, design-build and bridge inspection experience. Work includes structural design and inspections of culverts, prestressed concrete, straight steel and curved steel bridges for highway and transit projects for state departments of transportation, transit agencies and municipalities.

Extensive collaboration between Flatiron Construction and RK&K delivered the most comprehensive solution for this extremely challenging project along North Carolina's Outer Banks, from the southern end of the Pea Island National Wildlife Refuge over the Pamlico Sound into Rodanthe. The bridge is being built in approximately 2.5 feet of water while barely disturbing the submerged aquatic vegetation in the Pamlico Sound, and also includes a design scour elevation for the main bridge of -52.0 feet. The team's ultimate solution is a straight forward design with an amazing temporary work construction area that hovers above the water.

Alternative Public Involvement

Ted Creech - SCDOT
Wendy Nicholas - SCDOT
Nicole Riddle - SCDOT



Ted Creech is Assistant Director of Public Relations for SCDOT. He directs strategic planning for the agency's public relations and communications efforts and assists agency project teams with public involvement and community outreach planning. Before SCDOT, Creech was Director of External Affairs at AT&T-SC where he helped grow the state's economy through economic development initiatives and contributed to technology improvements that enhanced communities and businesses across SC.

Creech is an Accredited Public Relations Practitioner (APR) and has a BA in Journalism from the University of South Carolina.



Wendy Nicholas is the Director of Public Relations for SCDOT. She has been with the agency for 14 years and has extensive experience in communications, legislative affairs, and constituent services. Prior to her current role, she served SCDOT as Executive Assistant to previous Directors/Secretaries, and as Chief of Staff for eight years.



Nicole Riddle graduated from Coastal Carolina University in 2011 with a BS in Marine Science. She began working with the SCDOT in 2009 as a summer intern. Riddle is the public involvement coordinator for the Environmental Services Office and is a biologist doing Essential Fish Habitat Assessments and Freshwater Mussel Surveys. She lives in West Columbia with her husband Keith Riddle and their daughter Waverly.

Virtual Public Involvement is a hot topic across the nation and everyone is moving towards it, but what does that mean for SC and what does that mean for in-person meetings? Join us as we talk about what SC is doing to reach the public during unprecedented times and how in-person engagement has adapted and not been eliminated.

Strategic Highway Safety Plan

Duncan Smith, PE - SCDOT
Emily Thomas - SCDOT



Duncan Smith proudly served in the United States Coast Guard prior to obtaining his Bachelor of Science in Civil Engineering from the University of South Carolina. He is a registered Professional Engineer in South Carolina and Kentucky.

Duncan began working with the South Carolina Department of Transportation in 2011 in Aiken County Maintenance, followed by a stint in the Roadway Design Support unit of the Preconstruction Division, where he served as the Roadway Design Support Engineer. Duncan joined the Traffic Division as State Traffic Safety Engineer in May of 2019.

He resides in Lexington, SC, with his wife Carmen and two boys Fitz (10) and Charlie (6). As an avid outdoorsman Duncan spends much of his free time assisting his family in the management of Butterfield in the Lowcountry of South Carolina.



Emily Thomas is the Traffic Safety Planning and Research Manager in the Traffic Safety Office at SCDOT where she oversees the crash data group. She also manages the state's Strategic Highway Safety Plan and serves as a liaison with the South Carolina Department of Public Safety, monitoring several joint initiatives between the two agencies.

Hear about the recently completed Strategic Highway Safety Plan and what it can do for you. Presentation will include updated traffic statistics, a fresh look at the top traffic safety issues, and a report on safety performance targets.





10:40 - 11:30 am

Bridge Preservation and Rehabilitation/Seismic Isolation Bearings

Rick Nelson, PE - Gannett Fleming

David Taylor, PE - Stantec



Eric (Rick) Nelson, P.E. graduated with a B.S. Degree in Civil Engineering from North Carolina State University. He is registered as a Professional Engineer in SC, NC and VA. Rick is currently the structures group manager for the Gannett Fleming North Carolina offices after serving a 26 year career at NCDOT in Bridge Maintenance, Bridge Construction, and Bridge Design Units, and retiring as Asst. State Structures Management Engineer for Field Operations and Design in 2017. From programming, bridge design and construction to maintenance, repair, and rehabilitation, and finally back to programming, Rick has enjoyed roles in a number of activities that make up the "Bridge Circle of Life". Rick resides in Raleigh, NC, is married and has a son at NC State and another

who is a junior in high school.



David Taylor, P.E., S.E. graduated with a B.S. Degree in Civil Engineering in England and a Master's Degree from The University of South Carolina. He is registered as a Professional Engineer in the State of South Carolina and seven other states. He also holds Professional Structural Engineering Licenses in Illinois and Utah. David is the Managing Principal for Stantec in Columbia and a Senior Structural Engineer and Project Manager. David has been designing bridges and other structures in South Carolina for four decades and has been involved in projects in several other states and internationally.

David Taylor is active on the ACEC-SC Partnering Committee and has been involved in teaching as an Adjunct Professor with the University of South Carolina's Department of Civil and Environmental Engineering.

He is married to Carolyn and has two sons – both Clemson graduates. He resides in Columbia.

Seismic Isolation Bearings: Observations from a recent seismic isolation design, including modeling approach to incorporate bearing into overall structure. Demonstrates critical bearing parameters and iterative processes to develop the design.

Waters of the United States Rule

Matt O'Brien - SCDOT



Matt O'Brien is a Program Manager at SCDOT focusing on bridge replacement projects statewide. He came to SCDOT with over 25 years experience as a consultant performing ecological restoration and permitting around the US and the world.

The presentation will provide a brief background and overview of the final Navigable Water Protection Rule: Definition of "Water of the United States" and will focus on key changes from the 2019 Rule (i.e., Pre-2015 Rule Practice) as it applies to the southeast. If you have been around for a while, you know we all have been following the saga surrounding the definition of "water of the United States" or "WOTUS" for several years. In April 2020, The Environmental Protection Agency published the Navigable Water Protection Rule (NWPR), the newest regulatory definition of WOTUS, and the interpretation of these waters have been muddied and may remain muddied for some time.

Benefits of Transit Signal Priority Lowcountry Rapid Transit BRT

Sharon Hollis, AICP - BCDCOG

Laura McCutcheon, PE - HDR

Robert Acevedo, PE - HDR



Sharon Hollis, AICP joined BCDCOG in 2017 as a Principal Planner, where she leads the Transit Planning Team and serves as the Project Lead for the Lowcountry Rapid Transit project. Prior to that, she worked in the private sector, where she provided transit planning and project management on transit projects throughout the country. Most recently, she provided project management for the design services on the \$16.5 million passenger intermodal center/Amtrak Station in North Charleston. She also managed the I-26 Alternatives Analysis Planning Study that resulted in the recommended Lowcountry Rapid Transit Project. Sharon serves on the Board of Directors for the Transportation Association of South Carolina and is currently serving as President. Sharon has a Bachelors in Real Estate from Georgia State University and a Masters in City and Regional Planning from Georgia Institute of Technology. She and her husband live in the Charleston, SC, region.



Laura McCutcheon has a depth of experience in transit systems and transportation engineering. Her career includes Fiber Optic Communications, Security, Passenger Information Systems, Transit Signal Priority, Station Systems, and Geometric Design. She designs and integrates systems for BRT, Automated People Mover Systems, and Roadway Improvement Projects.





Robert Acevedo has a wide range of traffic engineering and transportation planning experience, from neighborhood traffic calming to large state freeway design-build projects. He is one of HDR's national leaders for signal design, and has been involved with several BRT and transit design projects throughout the country. Robert is certified by the International Municipal Signal Association (IMSA) as a traffic signal inspector and traffic signal technician. He is highly skilled at partnering with transit authorities and local agencies to implement advanced transit systems that harmonizes all modes of transportation.

What is transit signal priority (TSP) and what does it mean for the Lowcountry Community? This presentation will provide insight into what TSP is and how it is applied by agencies across the country. The session presents the Lowcountry Rapid Transit project and how the project plans to move people more efficiently to assure passengers arrive at their destination at a predictable time.

Lunch Keynote Address

12:00 - 1:00 pm

Leadership, Perspective, and Positivity - Corporal William Kyle Carpenter, USMC (Retired)



While serving as a Marine rifleman in Afghanistan at age 20, on the morning of November 21, 2010, Lance Corporal Kyle Carpenter's squad was attacked by Taliban forces. During the attack, a live grenade landed between Kyle and a fellow Marine. In a courageous act to save his fellow Marine, Kyle threw himself on the grenade.

Kyle's injuries were severe – he was unconscious for five weeks and spent over two and a half years recovering at Walter Reed National Military Medical Center in Bethesda, Maryland. He had lost his right eye, most of his lower jaw and teeth, and his right arm was broken in 30 places. He went through roughly 40 surgeries during his recovery. During this grueling recovery process, Kyle's spirit remained strong. He set several post-recovery goals for himself: run a marathon, earn a college degree, backpack through Europe, and go skydiving. After nearly three years of recovery, Kyle was released from the hospital at age 24 and has since been able to accomplish every post-recovery goal and many more. And on June 19, 2014, Kyle was awarded the Medal of Honor by President Obama for his self-sacrificing act of valor. Kyle is the youngest living recipient of the Medal of Honor, our country's highest military honor.

In addition to the Medal of Honor, Kyle's military awards include a Navy and Marine Corps Achievement Medal, NATO Service Medal, Navy Sea Service Deployment Ribbon, Combat Action Ribbon and a Purple Heart, the award for which he is most proud.

BREAKOUT SESSIONS

1:10 - 2:00 pm

Emergency Bridge Repair

Derek Staton, PE - CTEA

Jeff Mulliken, PhD., PE - HOLT Consulting

Stephen Fowler, PE - RS&H

Andrew Smith, PE - RS&H



Derek Staton has 28 years of experience managing and designing bridge replacement projects, including over 20 years of experience with SCDOT projects where he has designed or managed hundreds of structures including long span coastal bridges, interstate replacement and widenings, railroad bridges and small water crossings. Derek develops replacement solutions that balance schedule, cost, constructability and impacts to the natural and human environment. AVOID, MINIMIZE, MITIGATE is the theme he applies to impacts associated with ROW, utilities, wetlands, T&E species, streams, and construction conflicts. Derek was the Project Manager and Senior Bridge Engineer for the Emergency Bridge Replacement Projects.



Jeff Mulliken has over 30 years of leadership experience in the planning, design, and construction of large-scale transportation projects throughout the southeast. Jeff received B.S., M.S. and Ph.D. degrees in Civil Engineering from the University of South Carolina and is a registered Professional Engineer in South Carolina and other states. He was selected as ASCE's South Carolina Engineer of the Year in 2012 and ACEC-SC honored him with the Service to the Profession Award that same year. Jeff currently serves as the Secretary/Treasurer of the ACEC-SC Board of Directors and is a former member of the SC Board of Registration for Professional Engineers and Land Surveyors. He was Assistant Project Manager on the Emergency Bridge Replacement Projects responsible for overall Quality Control.



Stephen Fowler, PE, is a Senior Structural Engineer with RS&H, and specializes in bridges and transportation-related structures. Fowler holds a Bachelor's Degree in Civil Engineering from the University of Florida (Go Gators!), and played a pivotal role in the repair of the Mathews Bridge in Jacksonville, Florida, when the bridge was severely damaged by a vessel collision. He was a key member of the design and inspection team, which was able to assess the damage and develop biddable repair plans within 76 hours of impact. The design featured several innovations to address constructability and safety, including a post-tensioned temporary truss chord, heat straightening of damaged gusset plates, joint strengthening with a swiss-cheese fill stub beam to avoid fit-up issues. The dedication, ingenuity, and teamwork exhibited by the entire emergency response team resulted in the bridge reopening in only 33 days after impact and 12 days ahead of schedule.





Andrew Smith, PE, SE is an accomplished bridge engineer versed in all aspects of concrete segmental bridge design. His experience includes a wide range of segmental bridge projects for all modes of transportation - vehicular, pedestrian and rail. Participating in the design, construction engineering, and inspection of bridges across the United States provides Smith with a practical perspective for the efficient design and construction of bridges. His most recent segmental bridge was as the Project Manager and Regional Technical Lead on the superstructure design for the Honolulu Light Rail Project Phases I and II.

Throughout his career, Smith has been involved in the design of bridges delivered through traditional methods as well as fast-track design-build projects and emergency replacements, filling key roles in technical design and project management. These projects have included span-by-span, balanced cantilever and cable stayed concrete segmental bridges, elevated bridges in existing right-of-way, and both precast and cast-in-place bridge solutions. In addition, he brings knowledge in the load rating and implementation of QA/QC procedures for major complex bridges.

Smith holds a BS from The Citadel and an MS from the Florida State University. He is registered as a Professional Engineer in 6 states and as a Structural Engineer in Utah. Currently, Smith is a Senior Bridge Engineer with RS&H in Charleston, South Carolina.

The presentation will review the design, permitting, demolition and construction of five bridges delivered under the emergency bridge contracts EBP 2018-2A and EBP 2020-1. The bridges and related approach roadways were designed to avoid wetlands and utilities, reduce ROW, and facilitate construction. Each project was completed on time (215 days from NTP). The presentation will provide an overview of the sites, and discuss decisions made by the team to reduce impacts, and accelerate construction.

SCDOT Feasibility Study and Project Programming Updates

Betsy McCall, PE - SCDOT

Erin Porter, PE, PMP - SCDOT



Betsy McCall has 28 years of service with the South Carolina Department of Transportation with the bulk of that time in Preconstruction. The last 2 years she has served in the Office of Planning as the Feasibility Report Manager.

She is married and has a son at Coastal Carolina University majoring in biology and a daughter at USC majoring in Music Education with a concentration in violin performance. The whole family bleeds orange, including the daughter at USC.



Erin Porter is a graduate of the University of South Carolina with a Bachelor of Science in Civil Engineering, and a Master of Science in Engineering Management. She is a Licensed Professional Engineer in the state of South Carolina and certified Project Management Professional.

She spent over 20 years in private consulting managing water, wastewater and land development projects, and has been with the South Carolina Department of Transportation, Office of Planning for a year working with Feasibility Reports.

She has a son in 3rd grade that is a professional Lego builder. She enjoys trail running, home improvement projects and spending time at Lake Murray.

The presentation focuses on results and expected outcomes of the recently launched Feasibility Report Process. Topics will include managing expectations, cost and schedule accuracy, and proven benefits of documenting decisions.

SCDOT Initiatives in Support of Walking and Cycling

Emily Thomas, SCDOT

Rick Reiff, PE, PTOE, RSP₂₁ - Kimley-Horn

Rob Bedenbaugh, PE - SCDOT



Emily Thomas is the Traffic Safety Planning and Research Manager in the Traffic Safety Office at SCDOT where she oversees the crash data group. She also manages the state's Strategic Highway Safety Plan and serves as a liaison with the South Carolina Department of Public Safety, monitoring several joint initiatives between the two agencies.



Rick Reiff has 17 years of traffic and safety engineering experience. He has completed hundreds of traffic engineering and planning studies ranging in size from single-intersection safety studies to area-wide transportation analysis models. His experience includes roadway safety assessments, predictive crash modeling, RRFB justification studies, interstate access change studies, multi-modal corridor studies, traffic operations studies, as well as traffic signal design.



Rob Bedenbaugh graduated from Clemson University in 1994 with a B.S. Degree in Civil Engineering and is registered as a Professional Engineer for the state of South Carolina. Rob began his career with the South Carolina Department of Transportation in 1993 as a summer intern and is currently the Preconstruction Support Engineer. Rob is a Certified Project Manager and serves on AASHTO's Council on Active Transportation and the Committee on Design. Rob was married in 1995, has sons (19 and 17), and is a member of Red Bank United Methodist Church in Lexington, SC.

This session will provide an overview of the Department's safety and design initiatives that are underway to support walking and cycling in South Carolina. Emily Thomas will present a summary of pedestrian and bicycle involved traffic collisions, Rick Reiff will provide a brief overview of the Bicycle and Pedestrian Safety Action Plan currently in development, and Rob Bedenbaugh will provide an update on design practices for walking and cycling accommodations.





2:10 - 3:00 pm

Launching SCDOT Load Rating Update

Emily Berry, PE, Assoc. DBIA - SCDOT
Philip Quillin, PE, PMP - Michael Baker International



Emily Berry works in the Bridge Maintenance Office as the Assistant State Bridge Maintenance Engineer where she oversees the federally-mandated inspection and load rating programs statewide. She started her professional career with SCDOT in 2015 as the Document Control Manager for the Design-Build Group. Prior to moving to South Carolina, she lived in Michigan and spent 3 years with a consulting firm as a Structural Design Engineer and one year as the Assistant City Engineer for the City of Saginaw. Ms. Berry received her Bachelor's and Master's Degrees in Civil Engineering from the University of Michigan, is a Registered Professional Engineer in the states of Michigan and South Carolina, and is an Associate Designated Design-Build Professional.



Philip Quillin is a Vice President and Senior Project Manager for Michael Baker International, leading their Greenville, SC, office. Over a 27 year career as a Professional Engineer, he has worked with many D.O.T.s in the evaluation, analysis, design and construction of highway infrastructure. He graduated with a Bachelor of Science Degree in Civil Engineering from Clemson University and has a Masters Certificate in Project Management from the University of Pittsburgh. He and his wife of 29 years live in Greer, SC, with their 3 youngest children, while their 2 oldest attend Clemson University. They spend their spare time playing sports and exploring trails.

Through FHWA's mandate for all states to load rate every bridge in their inventories, SCDOT embarked on a mission to complete this task by the end of 2020. A year ago a whirlwind of activities began, involving hundreds of engineers and technicians, resulting in a soon to be completed comprehensive Bridge File containing all ratings and associated documentation, in record time. Obstacles threatened the mission, but it has proven to be a success through the leadership of the Bridge Maintenance Office and the determination of the strong team of consultants assembled by SCDOT. This presentation will provide a brief overview of the mandate, policies established, rating basics, accelerated schedule, special associated projects, and resulting truck load posting status.

Transportation Sales Tax Program Panel Discussion

Patrick Hamilton, PE - York County
Richard Turner, PE - Charleston County
Jason Thompson, PE - Horry County



Patrick Hamilton is a graduate of Clemson University with a Bachelor's Degree in Civil Engineering. He is a registered Professional Engineer in the state of South Carolina and has spent his career in the transportation field, working with SCDOT, York County, and in the private sector. He has worked on a variety of transportation projects, ranging from highway widenings, intersection improvements, gravel road paving, resurfacing, and residential/commercial site design, to name a few. Patrick is currently the Assistant County Engineer over Transportation for York County.



Richard Turner is the Deputy Director of Public Works for Charleston County. Prior to joining Charleston County in 2010, Richard worked at Qore Property Sciences and SCDOT. At Charleston County, Richard manages the Transportation Engineering, Asset Management, Construction Engineering & Inspection Teams and serves as the project liaison for large transportation projects including the Lowcountry Rapid Transit and the Mark Clark Expressway.

Richard is a 2000 graduate of the University of South Carolina and has a Bachelor's Degree in Civil Engineering. He has been a licensed Professional Engineer in South Carolina since 2006.

Richard currently sits on industry boards including serving as the Local Agency Rep on the Southeastern Pavement Preservation Partnership and the FHWA Pavement Preservation Expert Task Group.



Jason D. Thompson, P.E. is the RIDE Program Manager for Horry County Government. He coordinates, manages, and facilitates Horry County's RIDE (Ride Improvement & Development Effort) Program. This entails ensuring compliance with policy and procedures identified in State Law and in the intergovernmental agreements with the SCDOT so as to promote effective management, administration and completion of projects outlined in the program. Thompson develops policy and procedures and establishes management standards of Horry County's partnership with the SCDOT, as well as with any other entities and agencies involved with the RIDE Program. He performs progress reviews, financial analysis, status reports and presentations for the overall RIDE Program, as well as individual projects within the program. Ultimately, Thompson is responsible for overseeing the RIDE Program through to successful completion.

Thompson is a 1996 graduate of Clemson University with a degree in Civil Engineering. He is a registered Professional Engineer with the State of South Carolina with over 23 years of engineering experience. Prior to joining Horry County Government in May, 2017, Thompson was employed by the South Carolina Department of Transportation as the District #5 Bridge Engineer. Thompson has previously served the constituents of Horry County as he administered several construction contracts for SCDOT under the Ride II program. He is married to the lovely Amy Eaddy Thompson and they have two children: Jennings Thompson (age 15) and Avery Thompson (age 14). They are involved with many ministries at their church, Southside Baptist, where they have been members for 17 years.

Have you noticed some counties seem to have more funding for transportation improvements than others? This session will provide a roundtable discussion as we dive into some of the largest and longest running transportation sales tax programs we have in our state including Charleston, Horry and York Counties. We hope to learn how they prioritize and deliver projects that are making a huge impact on mobility in their communities and maybe ask a few questions on their biggest challenges and most successful partnerships.





Utility Coordination Forum and Update

Cedric Keitt, PE - SCDOT
Vanetta Jackson - SCDOT
Jack Locklair, PLS - SCDOT
Carlos Gittens, PE - KCI
Bill Stricker - CarolinasAGC



Cedric Keitt is from Norway, SC, and currently lives in Irmo, SC, with his wife and three children. He is one of the Assistant Directors of Right of Way and the State Utility Engineer. Cedric graduated from the University of South Carolina in Civil Engineering and is a Registered PE. He enjoys watching football, basketball and reading.



Vanetta Jackson is a Utility Project Engineer with 20 years experience with the SCDOT and 12 years experience with the Virginia DOT. She graduated from Columbia College with a B.S. degree in Public Affairs and a minor in History. She has 2 grown children as well as 2 grown grandchildren, and loves to travel.



Jack Locklair is a Utilities Project Manager and Professional Land Surveyor with 30 plus years design/build experience. He is widowed and the father of one daughter.



Carlos Gittens, PE, graduated from the University of Central Florida (UCF) with his BS in Civil Engineering and an MBA. He has been married for 20 years to his wife Krista and they have a college-bound son, Elijah. He has been an active member of the National Society of Professional Engineers (NSPE) for 25 years, serving at all three levels for over a decade and currently serves as the SC Society of Professional Engineers (SCSPE) State President. He is also involved with ACEC-SC, attending ACEC Transportation Committee Meetings and serving for the past four years on the Transportation Utility Subcommittee, including most recently co-chairing this group in 2020.

Carlos' dedication to the profession, the many achievements in his career and passion for engineering and serving others led him to being awarded President's Awards at both the state and national level in NSPE. He has also won both the Young Engineer of the Year and Engineer of the Year Awards for this organization in FL and SC, respectively. In addition, he is a Florida Engineering Leadership Institute graduate.

He currently works as a Senior Project and Office Manager in Greenville, SC, for KCI Technologies, the office he opened in 2014 and now has over twenty employees in three markets. He has worked on more than a dozen Design-Build projects and has over fifteen years' experience in Utility Coordination on infrastructure projects of many sizes and types across the Southeast U.S.



Bill Stricker, CarolinasAGC Director, Utilities Division and NCCER Administration, has worked for CarolinasAGC in various roles for 33 years. Currently, he is staff to the CAGC Utilities Infrastructure Division and serves as the NCCER Training Sponsor and Assessment Center Primary Administrator. He also holds his Master Trainer Certification from NCCER and is an authorized trainer for general contractor annual continuing education requirements with the NC Licensing Board for General Contractors. Bill has an MA degree from Appalachian State University and a BA degree from UNC-Charlotte. He and his wife live in Kannapolis, NC.

This session will cover Managing Utilities for the South Carolina Department of Transportation and understanding Senate Bill 401. This brief overview will be followed by a Q&A session for participants.





Afternoon Keynote

3:15 - 4:45 pm

SCDOT Interstate Program Update

Leland Colvin, PE, SCDOT Deputy Secretary for Engineering



Leland Colvin is the Deputy Secretary for Engineering for the South Carolina Department of Transportation (SCDOT).

Colvin has more than 20 years of dedicated service with SCDOT. He has served in several leadership roles for the agency. Before becoming Deputy Secretary for Engineering, he served as Chief Engineer for Project Delivery where he oversaw the Construction, Pre-Construction, Rights-of-Way, and Environmental divisions.

Prior to that position, Colvin served in other key management positions, including Chief Engineer for Operations, Director of Construction, and Statewide Design/Build Engineer.

Colvin earned his B.S. in Civil Engineering from the University of South Carolina but is a die hard Tiger fan. He is a Registered Professional Engineer in South Carolina and a native of Lugoff, SC.

SCDOT Program and Procurement Update

Leland Colvin, PE, SCDOT Deputy Secretary of Engineering

SCDOT Two Tier Selection Update

Justin Powell, Deputy Secretary of Finance



Serving since April 2019, Justin Powell is the Deputy Secretary for Finance and Administration at the South Carolina Department of Transportation (SCDOT). In that role, Powell supports SCDOT's mission to manage the fourth-largest road network in the nation through financial management, procurement, and information technology. Prior to his work at SCDOT, he was the Assistant County Administrator in Horry County, the Chief Financial Officer in Dorchester County, and the Budget Administrator in the City of Greenville. He holds a Master of Public Administration degree from the University of North Carolina at Chapel Hill and a Bachelor of Arts degree from Wofford College. In addition, he is a Certified Public Finance Officer from the Governmental Finance Officers Association and a Development Finance Certified Professional from the Council of Development Finance Agencies. He is married to the former Ashley Welton, and they live in Lexington with their two children.

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