

# Engineering



100

**INFLUENTIAL WOMEN  
TO KNOW**



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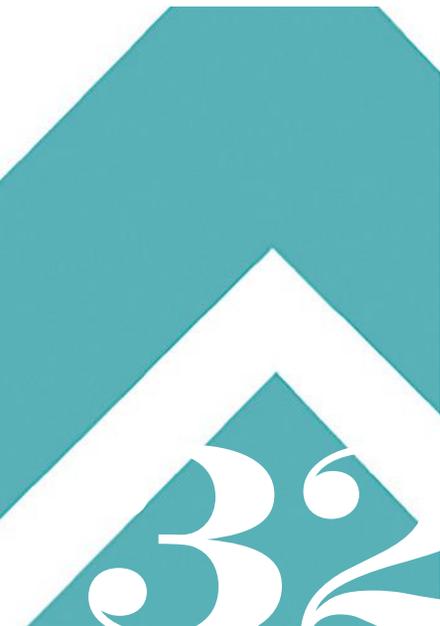
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### ON THE COVER

Through their roles leading Community Improvement Districts across the metro Atlanta region, these five women reflect the strong, influential and growing number of females who are not only impacting Georgia communities, but the state's engineering industry as well:

**MALAİKA RIVERS**, Executive Director, *Cumberland Community Improvement District*

**ALYSSA DAVIS**, Executive Director, *Sugarloaf Community Improvement District*

**MARSHA ANDERSON BOMAR**, Executive Director, *Gateway85 Gwinnett*

**TRACY RATHBONE**, Executive Director, *Town Center Community Improvement District*

**ANN HANLON**, Executive Director, *Perimeter Community Improvement Districts*

Cover photo was shot exclusively for *Engineering Georgia* magazine by Jennifer Stalcup.

# Engineering GEORGIA

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These are just five of the women included in our inaugural "100 Influential Women to Know" feature. Read more about the work they are doing in their communities in our third feature – *Balancing Act: From Planning to Partnerships to Putting Plans into Action, These Five Women Help Shape the Future of Metro Atlanta.*

**W**ith everything that is going on in our culture, it seems especially timely that we are bringing you this issue focused on women in and around the engineering industry. I'd like to claim that we are responding to the zeitgeist, but the reality is that we've been planning this issue for quite some time. We're just that good.

Margaret Thatcher once said *"If you want something said, ask a man. If you want something done, ask a woman."* The women featured in our "100 Influential Women to Know" feature are definitely getting things done and contributing to the greatness of our industry and our state. The list includes the Founders, CEOs and Principals of some of Georgia's most prominent engineering, architecture and construction firms, rising leaders from every part of the engineering industry and power players from some of the most important public agencies and private companies who create Georgia's built environment. We are honored to feature these women in this issue.

I can also tell you from first-hand experience that talented women get stuff done. I know because I work with four of them every day: Jennifer Head, Brittney Love, Sasha Ugi and Jennifer Winkler, also known as "The A Team." They (along with me) make up the staff of ACEC Georgia. And whether it's leading the effort to publish this magazine, executing best-in-class events, managing finances or lobbying politicians, they are doing it at the highest level. The fact is that they are working every day on behalf of the business of engineering and it would be an inexcusable omission if I didn't highlight them as being among the "women to know" in engineering. I'm sure glad I know them and for the privilege I have of working with them.

## SULLY'S SELECTIONS

Asking a man to come up with recommendations themed around an issue celebrating women is a little fraught, in these days of #mansplaining and the like. So, I'm just going to keep it simple with three books that I love that happen to be about and/or by powerful female leaders.

### **CATHERINE THE GREAT: PORTRAIT OF A WOMAN**

**BY ROBERT K. MASSIE**

She wasn't just a woman, she was the Empress of Russia. Over the course of her 34-year reign, she expanded Russia's territory and influence, creating the Golden Age of the Russian Empire that transformed the nation into a world power. Massie's book (like his magnificent book on Peter the Great) is the definitive account of Catherine's remarkable life and reign.

### **MARGARET THATCHER: THE AUTOBIOGRAPHY**

**BY MARGARET THATCHER**

The story of Lady Thatcher's rise from grocer's daughter to becoming the longest-serving British Prime Minister of the 20th Century. Like Ronald Reagan in the United States, her impact was enormous and her influence continues to be felt long after her death.

### **BOSSYPANTS**

**BY TINA FEY**

Not every leader is a politician. Tina Fey has broken the glass ceiling throughout her comedy career, becoming the first female head writer at Saturday Night Live before breaking out as a performer and one of comedy's biggest stars. Those other books I recommended are good, but admittedly a little like homework. This book is laugh out loud funny.

Michael L. "Sully" Sullivan  
 President and CEO, ACEC Georgia  
 Publisher, *Engineering Georgia*

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**ATLANTA-BASED PERRYCRABB MERGES WITH MAZZETTI INC.**

Engineering firm PerryCrabb, which has designed and served healthcare facilities in the Southeast since 1959, announced it will merge with San Francisco-based Mazzetti Inc., a global MEP engineering and technology consulting firm. The joint firm will go by Mazzetti | PerryCrabb in the Atlanta market for one year, before permanently taking the Mazzetti name.

**BARGE, WAGGONER, SUMNER AND CANNON, INC. REBRANDS TO BARGE DESIGN SOLUTIONS**

After more than 60 years, engineering and architectural firm Barge, Waggoner, Sumner and Cannon, Inc. announced it will re-brand as Barge Design Solutions. In addition to the new name, the firm has launched a new website and logo, as well as signage at each of its 14 offices across five states.

**BURNS & MCDONNELL EXPANDS OPERATIONS IN METRO ATLANTA**

The 100 percent employee-owned global engineering, architecture, construction, environmental and consulting firm hired its 100th employee-owner in Atlanta in late 2017 and announced plans to grow the location's workforce by up to 30 percent this year. The office has successfully managed nearly \$160 million in projects, including Hartsfield-Jackson Atlanta International Airport, Boeing, Duke Energy and Southern Company.

**CHRIS TOMLINSON TAPPED FOR IBTAA EXECUTIVE COMMITTEE ROLE**

Executive Director for the State Road and Tollway Authority, Chris Tomlinson has been selected to serve on the Executive Committee for The International Bridge, Tunnel and Turnpike Association (IBTTA) as First Vice President. IBTTA is a worldwide association for the owners and operators of toll facilities and the businesses that serve them. Tomlinson previously served on the association's Board of Directors and will assume the role of President in 2019.

**GRETCHEN CORBIN LEAVES TCSG FOR GEORGIA LOTTERY**

Governor Nathan Deal selected Technical College System of Georgia (TCSG) Commissioner Gretchen Corbin to head the Georgia Lottery after former President Debbie Alford, who has held the position since 2012, announced her retirement. Effective January 1, 2018, Corbin will replace Alford to lead the agency that raises money for the HOPE scholarship and prekindergarten classes in the state. Matt Arthur, former Deputy Commissioner, now serves as Corbin's replacement.

**JACOBS COMPLETES ACQUISITION OF CH2M**

Jacobs Engineering Group Inc. formalized its acquisition of CH2M on December 15, 2017, a move that was first announced last August. The combined firm, which totals approximately 74,000 people worldwide, will focus on three business lines: Aerospace, Technology, Environmental and Nuclear; Buildings, Infrastructure and Advanced Facilities; and Energy, Chemicals and Resources.

**PLANT VOGTLE CONSTRUCTION TO CONTINUE AFTER GEORGIA PSC VOTE**

Georgia's Public Service Commission (PSC) voted unanimously to continue construction at Georgia Power's Plant Vogtle. The approval is pending Congress provides approximately \$800 million worth of tax credits for the project and Georgia PSC can re-consider the decision if the federal tax credits are not approved.



Members of VHB's Georgia team came together on November 10 for a BeltLine Workday. The Georgia offices adopted a segment of the Atlanta BeltLine in early 2017; part of this commitment includes regular visits to and maintenance of the trail. The VHB team spent a Friday evening removing invasive species from the wooded trail. It was a fun and challenging few hours fighting species such as Mimosa, Japanese and Chinese Privet, Thorny Olive and English Ivy. These plants, and other invasive species, create land management problems and their removal helps ensure the BeltLine's vision of creating an urban arboretum along the Beltline Corridor.

**TRAVELSAFELY APP UNVEILED FOR USE ALONG THE NORTH AVENUE SMART CORRIDOR**

In late December 2017, city and state leaders including Renew Atlanta/TSPLIST General Manager Faye DiMassimo, Georgia Department of Transportation Chief Engineer Meg Pirkle, Battalion 3 Chief Dwayne Johnson and former Atlanta Mayor Kasim Reed joined together to unveil the TravelSafely™ smartphone application. The app uses smart technology to alert users of potentially dangerous road conditions, traffic light changes, emergency vehicles, pedestrians, bicyclists and runners approaching, and when users are speeding toward a curve or school zone. Audible alerts and spoken warnings notify motorists so users do not need their phones in hand. The tool is being used and tested along the North Avenue Smart Corridor, the 2.3 mile stretch of North Avenue from Ponce City Market to the Georgia Institute of Technology.

**ATWELL, LLC** welcomed **Michael Ritch, P.E.** to its team as Senior Project Manager, Real Estate and Land Development. Based in the firm's Marietta office, Ritch will provide leadership support and oversight to residential and commercial development project teams, and client relations for projects throughout the Southeastern United States. He brings more than 35 years of experience, including civil land planning, site development design, project management and construction management, to the firm.

### CORPORATE ENVIRONMENTAL RISK MANAGEMENT, LLC (CERM)

announced that **Robin Dunn** has joined the firm as a Controller. Dunn brings 14 years of financial management leadership to the position, including strategic planning and analysis with specific experience in the environmental, construction and remediation service areas.



Chris Williams

**EFK MOEN** expanded its operations with an office in Atlanta. **Chris Williams, P.E.**, who has been with EFK Moen's St. Louis office for 13 years, will manage the new location. Williams brings more than 24 years of transportation/structures-related engineering project management experience to the role.



Aaron Wadley

**GASKINS SURVEYING AND ENGINEERING** hired **Aaron Wadley, P.E.** to develop and manage its new Gwinnett County location. Wadley brings to Gaskins more than sixteen years of experience in various roles of increasing responsibility, including Senior Project Manager, Director of Transportation and Public Works, Assistant City Engineer, Project Engineer and Civil Designer.

His specific expertise includes infrastructure, streetscape and site development, as well as project management and business development.



Randy Hulsey

### GRESHAM, SMITH AND PARTNERS (GS&P)

welcomed **Randy Hulsey** as a Senior Vice President serving the transportation market. Hulsey is a 36-year veteran of Georgia's transportation industry, having served for the past 17 years as the Director of the Douglas County Department of Transportation. As Senior Vice President, Hulsey will lead GS&P's new business development

efforts in the metro Atlanta region, build upon relationships with existing clients and improve GS&P's project delivery processes.

**HDR ENGINEERING, INC.** added **Thomas Ziegler, P.E.** to its team as its Georgia Transportation Business Group Leader. Ziegler brings more than 30 years of experience to the new role.



Susan Kendryna

**HUSSEY GAY BELL** expanded its Savannah Water/Wastewater Division team with the addition of Senior CAD Technician **Susan Kendryna**, who has more than 20 years of industry experience. In this role, Kendryna's responsibilities will include creation of designs under the direction of Project Managers for various municipal design projects. The firm also announced the hire of **Broderick D. Keown, EIT** as a Transportation Engineer in its Atlanta Transportation Division. With 17 years of experience, Keown will design and manage certain aspects of transportation/traffic projects for state and local governments.



Broderick D. Keown

### NEW SOUTH CONSTRUCTION COMPANY, INC.

welcomed **Brian Spickard** as its new Vice President of Business Development. Spickard will help grow and develop New South's marketing approach and project pursuits. By focusing on the company's defined core markets, including office, industrial and hospitality, he will help elevate New South's profile and secure new endeavors.



Amy Angeli

**NOVA'S** Marketing Department grew with the addition of **Amy Angeli**, who brings 12 years of experience in the construction industry to the firm's Kennesaw office. She is a member of the Society for Marketing Professional Services (SMPS).

### POND

announced the appointment of **Alex Hollbrook, P.E., LEED AP** as a Principal of the firm. Hollbrook has served as the Building Systems Program Director at the firm for the last three years and has more than 25 years of diverse experience. The firm also recognized several individuals with promotions to Senior Associate: **Jim Davis**, Corporate Health and Safety Director; **Pam Gower**, Director of Human Resources; **Allan Iosue**, Director of Development; **Mike Jeffreys**, Program Director of Fuels Maintenance and Construction; **Van Lynn, P.E.**, Director of Mechanical Engineering; **Kenn Ussery, P.E.**, Director of Civil Fueling; and **Matthew Wilder**, Director of Landscape Architecture. The firm also announced the hire of **Mitch Rovinsky** as its new Operations Manager for Pond Constructors.



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**PRIME ENGINEERING** welcomed new hires to its team: **Todd Atkins** as Survey Crew Chief in the firm's Infrastructure Department; **Brandon Enochs** as Industrial Market Segment Manager; and **Bruce Morris, AIA** will serve as Senior Architect, also in the Infrastructure Department.



Adam D. Smith

**STANTEC** added to its growing transportation team with the hire of **Adam D. Smith, P.E.** as Senior Roadway Engineer in its downtown Atlanta office. Smith will work with the firm's Atlanta and Macon groups to continue to provide the greater metro Atlanta area with inventive and safe roadway designs. Smith brings more than two decades of experience in civil engineering, with a strong emphasis in transportation, to the role.

**TERRACON** announced the addition of **Chris Hurst, P.E., C.S.P.** as a Senior Environmental Consultant in its Atlanta office. Hurst will focus on environmental, health and safety (EHS) auditing and assessment services, leveraging more than 20 years of experience working on projects in the United States, Caribbean and Central America.

**WOLVERTON** announced a corporate reorganization to align its internal resources to support the firm's strategic growth goals. Market Sector Leaders serve as the drivers of Wolverton's business with the roles represented by: **Jeff Belyea, P.E.**, Land Development; **Rob Jacquette, P.E.**, Traffic and ITS; **Tom True, P.E.**, Energy, Power and Utilities; and recently promoted **Brad Robinson, P.E.**, Transportation. Practice Area Leaders support these leaders in driving client satisfaction and people management. Promotions to Practice Area Leaders include: **Lance Cooper**, Land Development Florida Region; **Jason Dickerson, P.E.**, Traffic Operations; **Jeffrey Hodgkinson, P.E.**, Industrial; **Graeme Kaiser, PLS**, Surveying; **Clay Smith, EIT**, Traffic Studies and Design; and **Buck Wright**, Subsurface Utility Engineering. Additional Practice Area Leaders include: **Tom Cetti, P.E.**, Land Development Coastal Georgia Region; **Hunter Hyde, P.E.**, Retail; **Angela Snyder, P.E.**, Transportation State Government and **Jean Yu, P.E.**, Transportation Local Government.

In addition, the firm announced the following promotions: **Leah Cassell, P.E.** to Senior Designer for Transportation; **Josh Gilbert** to Project Surveyor for Surveying; **Ian Maxfield** to Project Manager for Transportation; **Alex Simmons, EIT** to Project Manager for Traffic and ITS; **Diwan Singla** to Senior Traffic Specialist for Traffic and ITS; and **Andrew Truelove** to Project Surveyor for Surveying.

# wood.

## A new beginning

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Our commitment to fostering a culture of inclusion and respect stands strong. We are proud to celebrate women and their contributions to engineering.

[woodplc.com](http://woodplc.com)





Rebecca Collins, P.E  
Aviation



Lynn Wigginton  
Land Acquisition



Aimee Turner  
Traffic



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## The Pulse | OUT & ABOUT



**ACEC GEORGIA MACON GENERAL MEMBERSHIP MEETING:** Rob Jacquette with Wolverton, Kevin McOmber with Clark Patterson Lee, Randall Bagwell with NOVA and Kelvin Seagraves with Hofstadter and Associates, Inc.



**ACEC GEORGIA MACON GENERAL MEMBERSHIP MEETING:** Four Georgia Secretary of State candidates participated in a forum in Macon, Ga. moderated by ACEC Georgia President and CEO Michael "Sully" Sullivan (center): Alpharetta Mayor David Belle Isle, State Representative Buzz Brockway, State Senator Josh McKoon and State Representative Brad Raffensperger, P.E.



**ACEC GEORGIA MACON GENERAL MEMBERSHIP MEETING:** Rebecca Schilling and Tom Driver with Geotechnical & Environmental Consultants alongside Al Andrews with Andrews, Hammock & Powell, Inc.



**ACEC GEORGIA MACON GENERAL MEMBERSHIP MEETING:** ACEC Georgia Board members Greg Teague with Croy Engineering and Charles Ezelle with Thomas & Hutton during the breakfast event.



**ACEC GEORGIA MACON GENERAL MEMBERSHIP MEETING:** PELS Board members Taylor Wright with Atkins and Julie Busbee alongside Darren Mickler with the Office of the Secretary of State and PELS Board member Neil Wyche with NBP Engineers, Inc.



**2017 ASHE HOLIDAY PARTY:** Kate Henry with Aulick Engineering, Tori Brinkley with T.Y. Lin International and Matt Sanders with the Georgia Department of Transportation (GDOT) during the annual event.



**ITE ANNUAL MEETING:** The six 2017 ITE Georgia scholarship recipients, who were each honored during the association's annual meeting in December.



**ITE ANNUAL MEETING:** Jamie Mapp with CH2M alongside Melissa Gende and Marian Diamond with WSP, USA.



**ITE ANNUAL MEETING:** Members of the Georgia Section of the Institute of Transportation Engineers (ITE) gathered at Maggiano's Buckhead for the association's annual meeting, which featured Keynote Speaker Scott Higley, Director of Strategic Communications for GDOT.



**ITE/ITS HOLIDAY PARTY:** Soan Chau with SCA Transportation Forensics and Steven Sheffield with Wolverton.



**ITE/ITS HOLIDAY PARTY:** Maggie Maddox with HNTB, Chris Maddox with AECOM, Nate Prath with NDS, Kabearny Godwin with Kimley-Horn and Jarin Prince, a student at Kennesaw State University.



**2017 ASHE HOLIDAY PARTY:** THC, Inc. employees Nathaniel Kimbro, with spouse Jennifer Kimbro, and Matt Carroll (far right) with spouse Caroline Carroll.



**ITE/ITS HOLIDAY PARTY:** Marco Friend with Jacobs alongside spouse Amy Friend, Ashley Kirk, a student at Kennesaw State University, Kyle Huffman with Jacobs and Rachel Cohen with 360 Network Solutions.

# 2018 EVENTS

FEB  
14  
2018

## BUILDING GEORGIA LEGISLATIVE DAY

7:30 a.m.

**James H. "Sloppy" Floyd Building  
Floyd Room, 20th Floor, West Tower  
200 Piedmont Avenue Southeast  
Atlanta, GA 30334**

Join the American Council of Engineering Companies of Georgia (ACEC Georgia), the Associated General Contractors of Georgia (AGC Georgia), elected officials and business leaders for the 19th annual Building Georgia Legislative Day. Keynote Speakers for the breakfast include Representative Kevin Tanner, Chairman of the House Transportation Committee, and Senator Lindsey Tippens, Chairman of the Education and Youth Committee.

*Cost: \$50 – ACEC Georgia Members; \$130 – Non-Members*

**Register at [www.acecga.org](http://www.acecga.org)**

FEB  
23  
2018

## PROJECT MANAGEMENT WORKSHOP

**Georgia Power Customer Resource Center  
4404 North Shallowford Road  
Dunwoody, GA 30338**

This Project Management Workshop offers the opportunity for licensed Professional Engineers and Project Management Professionals to network and earn up to eight Professional Development Hours across a variety of topics.

**Learn more at [www.gspe.org](http://www.gspe.org)**

FEB  
23  
2018

## GWINNETT REGIONAL SCIENCE, ENGINEERING + INNOVATION FAIR

**Infinite Energy Center  
6400 Sugarloaf Parkway, Duluth, GA 30097**

Gwinnett County's Regional Science, Engineering + Innovation Fair is an annual tradition that has been in place for 40 years. The 2018 Fair will be the tenth year where the event will highlight career opportunities that await students in the science and engineering fields, with the goal of heightening awareness of opportunities in research and industry – and identifying avenues that can lead them to an exciting position in one of those two fields.

**Learn more at [www.gwinnettsciencefair.com](http://www.gwinnettsciencefair.com)**

FEB  
24  
2018

## GEORGIA ENGINEERING AWARDS

6:00 p.m.

**Grand Hyatt Atlanta in Buckhead  
3300 Peachtree Road Northeast  
Atlanta, GA 30305**

A black-tie event, the annual Georgia Engineering Awards celebrates the winners of ACEC Georgia's Engineering Excellence Awards, GSPE's Engineer of the Year Awards and the engineering industry as a whole. The event will also honor two new award winners: Commissioner Russell McMurry, P.E. with the Georgia Department of Transportation as the inaugural Engineering Influence Award recipient and Emmy Montayne, P.E. with Kimley-Horn as the Engineering Impact Award recipient. Also back again as Master of Ceremonies for the evening is Brian Moote – actor, comedian and former co-host of Q100's *The Bert Show*.

*Cost: \$1,125 – Table; \$125 – Individual;*

*\$85 – Government Employee/Retired Engineer*

**Register at [www.acecga.org](http://www.acecga.org)**

FEB  
26  
2018

## DAN R. BROWN ACI AWARDS PROGRAM

5:30 p.m.

**Westin Atlanta Perimeter North  
7 Concourse Parkway Northeast  
Atlanta, GA 30328**

The annual Dan R. Brown Awards Program is an opportunity for the Georgia Chapter of the American Concrete Institute (ACI) to recognize and encourage innovative design, construction, maintenance and repair of concrete structures. Join the Georgia Chapter of ACI for this event applauding the advances and achievements of Georgia industry professionals.

*Cost: \$75*

**Register at [www.aci-ga.starrchapter.com/Awards\\_Program](http://www.aci-ga.starrchapter.com/Awards_Program)**

MAR  
4  
2018

## 8TH ANNUAL GEORGIA ITE/ASHE WINTER WORKSHOP

**Brasstown Valley Resort and Spa  
6321 Highway 76, Young Harris, GA 30582**

As a joint conference hosted by Georgia ITE And ASHE Georgia, this workshop is a two-day event packed with speakers, discussion sessions, technical forums and a lot of fun! The event is an easy way to connect with other transportation professionals across the state.

**Learn more at [www.gaita.org/winter-workshop](http://www.gaita.org/winter-workshop)**

MAR  
5  
2018

MAR  
10  
2018

## INTRODUCE A GIRL TO ENGINEERING

**Kennesaw State University  
Marietta Campus - Gymnasium  
1100 South Hornet Drive, Marietta, GA 30060**

Introduce a Girl to Engineering is a half-day program designed to introduce upper elementary and middle school-age girls to engineering through fun projects, activities and speakers. The day's events include activity booths, an engineering trivia bowl, a program for parents on preparing their daughters for a career in engineering and lunch.

*Cost: \$5 – Person*

**Register at [www.acecga.org](http://www.acecga.org)**



## 2018 CHARITY GOLF INVITATIONAL BENEFITING THE NICARAGUA CLEAN DRINKING WATER INITIATIVE

10:30 a.m. – 4:00 p.m.

**Golf Club of Bradshaw Farm**  
3030 Bradshaw Club Drive, Woodstock, GA 30188

Join members of the American Society of Civil Engineers (ASCE) Georgia Section, along with guests, sponsors and vendors, for the 2018 Charity Golf Invitational. The tournament is a great opportunity to golf, network and support a great cause. Proceeds from the tournament are used to continue efforts in the remote Nicaraguan villages along the Rio Grande de Matagalpa, specifically to ensure the availability of safe drinking water.

Register at [www.ascega.org](http://www.ascega.org)



## 2018 GEORGIA ENGINEERS SUMMER CONFERENCE

**The Mills House**  
115 Meeting Street, Charleston, SC 29401

Join engineering, community and business leaders in historic downtown Charleston, South Carolina for this annual business-focused conference. Centered around "The Future of Engineering," the Conference provides business-oriented content designed to help you boost your firm's business development efforts and bottom line; attract, retain and develop talented engineers;

and manage the modern engineering firm.

Cost: \$600 – Member of ACEC Georgia, ASCE or GSPE;  
\$800 – Non-Member (before April 27)

Register at [www.acecga.org](http://www.acecga.org)



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Jenna Jambeck, an associate professor in the UGA College of Engineering and one of the world's leading marine debris researchers, wants to create a circular economy where waste doesn't exist. At UGA's New Materials Institute, she's focusing on green engineering principles and strategic industry partnerships to find alternatives for common plastics.

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UNIVERSITY OF  
**GEORGIA**  
College of Engineering

# GEORGIA BY THE NUMBERS:

Interesting Information, Useful Facts and Catchy Conversation Starters

1

**NUMBER OF COUNTIES IN GEORGIA NAMED AFTER A WOMAN: HART COUNTY.** Possibly one of the American Revolution's most famous heroines, the patriotic Nancy Hart captured a band of five or six British soldiers when they demanded she feed them. Because of this and other acts of bravery during the war, officials named not just the county after Hart in 1853, but a city, lake and highway.

1836



**YEAR WESLEYAN COLLEGE, THE FIRST WOMEN'S COLLEGE IN THE UNITED STATES, WAS FOUNDED IN GEORGIA.** Originally chartered as Georgia Female College, the institution offered programs comparable to those men took at other schools. The group of Macon businessmen who raised \$9,000 to found the school had one mission: Women who attended and graduated would receive a bachelor's degree. Two famous graduates of Wesleyan are Mary McKay and Viola Ross Napier. McKay is the first woman in the state to receive a Doctor of Medicine degree and Napier is the first woman to argue a case before the Supreme Court of Georgia.

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**NUMBER OF MILES OF ROUTE 27 IN GEORGIA, ALSO NAMED MARTHA BERRY HIGHWAY AFTER ONE OF THE STATE'S MOST PROMINENT WOMEN EDUCATORS OF THE 20TH CENTURY.** In the early 1900s, Berry founded schools for children in rural neighborhoods who couldn't afford to go to school. Over 30 years, these schools turned into Berry College in Rome, Ga., – one of the cities Route 27 runs through. The four-lane highway starts in Indiana and ends in Florida, and in between covers the entire length of the state of Georgia.

**NUMBER OF FEMALE STATE SENATORS IN GEORGIA.** The duties of these Senators are to introduce legislation in the Georgia Senate during the 40-day Legislative Session. In addition, these female Senators, along with their male counterparts, help solve issues constituents have throughout the year. While these Senators carry out legislative duties, they also maintain occupations in a business or profession as the "citizen" branch of the government. In order to gain their appointments, Senators have to be at least 25 years old, American citizens, state residents for two years and residents of their Senatorial Districts for one year immediately preceding election.



**RANK OF GEORGIA IN THE UNITED STATES FOR GREATEST NUMBER OF WOMEN-OWNED SMALL BUSINESSES.** In addition to the state's fifth year running as the Best State in Which to Do Business, Georgia is consistently ranked as one of the top states for female-owned businesses. In fact, the state ranks second for growth in number of Women Business Enterprises and seventh in economic growth of those same companies. Georgia isn't just a successful place to do business for women; the state scored an "A" for small business friendliness overall in 2017.



# 100 **INFLUENTIAL** WOMEN TO KNOW

*Spanning Founders, CEOs, Principals and Rising Leaders, These Females are Impacting Georgia's Engineering Community*

*Profiles Compiled by Joy Ugi*

**A**cross the Peach State, women are influencing the design, growth and success of communities, businesses and projects. They are women of character, integrity and purpose. These are females who took the bold step to found their own engineering, architecture or construction firms; who give of their time to mentor the next generation of professionals; who volunteer with the state's numerous engineering associations to raise the profile of the industry; or who create Georgia's built environment.

Many people, including *Engineering Georgia's* Editorial Board, were asked to recommend, review and determine the 100 women for this year's inaugural list. This was no easy task. But it is our hope that this list provides a glimpse into the diverse, strong and growing number of women helping to shape Georgia's engineering community.



**DIOMETRA ALDRIDGE**  
 Director, Corporate Management  
 & Strategic Initiatives,  
*Corporate Environmental Risk  
 Management, LLC (CERM)*

In her 18 years of experience, Aldridge has mastered administrative management and human resource development within the A/E/C industry. As a member of the executive management team at CERM, she directs all administrative functions to meet industry standards and regulatory agencies. Aldridge ensures the firm meets its goals by providing direction and implementing strategic planning.

**SUZANNE ANGELL**  
 Deputy Director, *Southwest  
 Georgia Regional Commission*

Angell has served the Southwest Georgia Regional Commission as Deputy Director for 22 years where she leads her team in tracking expenses for federal and state-funded projects, manages an annual budget and financial reports and oversees all accounting functions. She has worked closely with local government and community-based agencies for most of her career.



**JENNIFER BALL**  
 Vice President, Planning and  
 Economic Development,  
*Central Atlanta Progress*

An accomplished urban planner and project manager, Ball's notable projects include the development of the Stitch connector cap and Downtown Atlanta vision plans. She leverages her expertise to advance initiatives to influence the built environment and improve quality of life for communities. She also manages all aspects of implementation of transportation and public space capital improvements.

**KATHRYN BEDETTE, AIA**  
 Associate Professor, Department of  
 Architecture, *Kennesaw State University*  
 2018 President, *AIA Georgia*

An asset to the design and build profession, Bedette has served as the American Institute of Architects (AIA) Georgia Advocacy Director in the past and as the Board President presently. She teaches grassroots-driven architecture advocacy in her role at Kennesaw State University and is credited with aiding the passing of the House Bill 943 Indemnification Bill.



**ANITA ATKINSON, P.E.**  
 Vice President – Civil Engineering and Surveying,  
*Patterson & Dewar Engineers, Inc.*

Leading Patterson & Dewar's Civil Engineering and Surveying department, Atkinson leverages her 14 years of experience to manage a talented team with a wide range of skills and expertise. She's active in several engineering organizations in the state, including the Georgia Engineering Foundation, and her areas of specialty include power line design, power delivery infrastructure, research, planning, consulting and training.



**PAT BIEGLER**  
 Director of Public Works,  
*Columbus Consolidated Government*

A former APWA Top 10 Leader and NSPE Top 10 Engineers in Federal Service, Biegler's vision for her department includes succession planning training programs, such as the award-winning "Up and Motivated" initiative and Columbus' Leadership Development program. She works closely with her staff and 12 division chiefs to attain a high-level of accomplishment through these programs.

**LYNETTE BAKER, CEP**  
 Southeast Region Buildings &  
 Infrastructure Inside Sales Leader,  
*Jacobs*

Bringing both an operations and sales perspective to her marketing role at Jacobs, Baker collaborates with clients and partners to drive growth and diversification for the firm. Combining sustainable performance, strategy and continuous improvement, her 22 years of experience are an essential part of the success of the Southeast Buildings and Infrastructure group at Jacobs.



**CLAUDIA BILOTTO**  
 Vice President/Atlanta Area Manager, *WSP USA*

Recently promoted to the role of Atlanta Area Manager, Bilotto supports diversification and growth, drives strategic direction and leads the team in the Atlanta market for WSP. Her impressive resume includes managing transportation planning projects for the Georgia Department of Transportation and is currently serving as the Chair of the Transportation Research Board (TRB) Committee on Public Involvement in Transportation. ▶





**ANNIE BLISSIT, P.E.**  
Water Treatment Engineer,  
*Gresham, Smith & Partners*

The recipient of numerous engineering awards, Blissit is an asset to her firm and its water sector, and is actively involved with the American Society of Civil Engineers (ASCE) Georgia Section. In both 2016 and 2017, Blissit organized humanitarian trips with ASCE to provide engineering support and drinking water sampling to a remote village in Nicaragua.



**REBECCA COLLINS, P.E.**  
Vice President –  
Aviation Division,  
*Croy Engineering*

Leading one of the largest aviation departments at a consulting engineering firm in the state of Georgia, Collins provides strategic leadership to the Croy Engineering team as Vice President. The firm now boasts 30 aviation clients in Georgia. Thanks to

Collins, over \$40 million in state government funds have been awarded to those clients.

**MARSHA ANDERSON BOMAR,**  
AICP, ENV SP, F.ASCE, F.ITE  
Executive Director, *Gateway85*

The founder of engineering firm Street Smarts, Bomar has shown outstanding leadership in business, community service and the engineering profession. Credited with the endowment of the Mentor and Mentee program at Georgia Institute of Technology, she also serves on local government and engineering councils.

She's won countless awards for her outstanding work as a businesswoman, mentor and engineer and continues to work with the industry in her role leading one of Gwinnett's five Community Improvement Districts – Gateway85.



**LAUREN CURRY**  
Deputy Director, *Georgia Environmental Protection Division*

Now second in command at the Georgia Environmental Protection Division, Curry has experience in various roles for the Georgia Department of Economic Development, the U.S. Department of Transportation in Boston and former Governor Sonny Perdue. Her track record is fueled by accomplishments in communications and marketing strategy, legislative affairs, policy development and public events.



**VICTORIA (TORI) BRINKLEY, P.E.**  
Senior Transportation Engineer,  
*T.Y. Lin International*

Brinkley is a Senior Transportation Engineer at T.Y. Lin International with over 10 years of design experience. After graduating from the Georgia Institute of Technology with a degree in civil engineering, Brinkley began her career in the Office of Roadway Design for the Georgia Department of Transportation where she gained invaluable experience while forging professional relationships. She is actively involved in the American Society of Highway Engineers (ASHE) and WTS where she is serving as the 2017-2018 Treasurer for the Atlanta Chapter. She is also a 2016-2017 graduate of ACEC Georgia's Future Leaders Program.



**GWYNNE DARDEN**  
Associate Vice President for  
Facilities Planning and  
University Architects,  
*University of Georgia*

With 16 years in the Office of University Architects under her belt, Darden oversees both the development of the University's physical campuses and planning. In this role, she locates appropriate sites for project construction and manages design development. Darden's strengths are in her ability to work with campus leaders in both the preservation and expansion of facilities.

**CARLA CARRAWAY**  
President, *Precision Planning, Inc.*

From Intern to President, Carraway has done it all in her 30 years at Precision Planning, Inc. Her straightforward, down-to-earth approach to doing business has earned her success in the company she runs and the community she supports. Carraway is dedicated to providing a team approach at the firm and steering clear of cookie cutter offerings for clients.



**ALYSSA DAVIS**  
Executive Director, *Sugarloaf Community Improvement District*

Holding a master's degree in city and regional planning, Davis leads the day-to-day operations of the Sugarloaf Community Improvement District (CID) – Gwinnett County's newest CID – to ensure the long-term success of the area's premiere business and entertainment district. In a previous role, she leveraged her experience to manage plans and transportation projects for the Gwinnett Village CID.





**FAYE DIMASSIMO**  
 General Manager, Renew Atlanta/  
 TSPLOST Program, City of Atlanta

Leveraging over 35 years of experience, DiMassimo's specialties include transportation planning, project development and program delivery. In her current role, she is working to help the city develop, test and integrate intelligent transportation technology — primarily through the North Avenue Smart Corridor project. She also leads the charge on the city's funding creation, strategy implementation and team management. In 2017, Governor Nathan Deal appointed DiMassimo to serve on the Georgia Regional Transportation Authority Board of Directors.

**ELLEN DUNHAM-JONES**  
 Professor; Director, Urban Design Program, Georgia Institute of Technology School of Architecture

An authority on sustainable suburban redevelopment and a leading urbanist, Dunham-Jones has published more than 60 articles linking contemporary theory and practice. She serves on several national boards and committees, is former Chair of the Board of the Congress for the New Urbanism, lectures widely and conducts workshops that help communities address 21st century architectural challenges.



**EMILY DUNN**  
 Representative — Congressional District 9,  
 State Transportation Board

Elected to serve as a part of the 14-member State Transportation Board, Dunn assists in the supervision of the Georgia Department of Transportation. She is entrusted with decision-making powers and was elected to a five-year term by a majority of a General Assembly caucus. Dunn is also the President of Tom's Amusement Company, Inc.

**WENDY DYSON, AICP**  
 Project Director, Atkins

Dyson is a Project Director with more than 18 years of transportation experience in roads, transit and airports. In her role at Atkins, she is responsible for strategic planning and management of on-call contracts and complex NEPA documents. In addition, she currently serves as the Georgia Partnership for Transportation Quality (GPTQ) Transportation Forum Coordinator.



**LINDA EDWARDS**  
 President and CEO, Edwards-Pitman Environmental, Inc.

With more than 30 years of experience in the fields of project development, engineering design and environmental services, Edwards is the founder of Edwards-Pitman Environmental, an industry-leading consulting firm dedicated to providing environmental and engineering support services for transportation projects. The firm is a certified woman-owned, disadvantaged and small business enterprise.

**DANIELLE ELKINS**  
 CEO and Founder, Civic Ideation

Elkins' strengths are in her unique combination of creative and analytical skills. She can understand and re-articulate complex issues and easily comprehend how politics, policy and stakeholders can impact a company's revenue. Before she founded her own consulting firm, Civic Ideation, she worked with cities around the country as a Government Affairs Director for a Fortune 500 engineering company. In addition, she is one of the founders, and current President, of Advance Atlanta, an advocacy non-profit focused on championing a regional transit system in the metro Atlanta region.



**TERESA EPPLE, P.E., PTOE**  
 President and Owner,  
 Southeastern Engineering, Inc.

In 1996, Epple started her firm providing Traffic Engineering Services, which has grown in partnership with her husband Chad Epple these more than 20 years to a 100-person multi-disciplined civil engineering firm providing services to both public and private clients throughout the Southeast.

**STEPHANIE ESPY**  
 Founder and CEO, MathSP, LLC  
 Author, STEM Gems

Through the MathSP and STEM Gems programs she founded, Espy's mission is to empower the next generation of STEM leaders and decrease the gender gap that exists in STEM fields. She boasts degrees from MIT and UC Berkeley and authored the book *STEM Gems* to highlight the significant contributions of women to STEM fields. ▶





**JENNIFER AULICK ETHERIDGE, P.E., MBA**  
President/Senior Engineer, *Aulick Engineering*

With 16 years of experience in the industry, Etheridge is the Founder and President of the woman-owned engineering firm Aulick Engineering, LLC. Her firm provides engineering design and construction management services for transportation projects, leveraging Etheridge's expertise in hydraulics, hydrology and erosion control design.



**ANNIE GILLESPIE, P.E.**  
Director of Engineering,  
*State Road and Tollway Authority (SRTA)*

Gillespie manages all the engineering needs of SRTA, including maintaining oversight of the design and implementation of the Authority's toll collection systems. She oversees rate management and analysis, design and construction of transit-related facilities, and agency-to-agency coordination. In addition, Gillespie boasts experience in aviation engineering, environmental planning and roadway design.

**ANGELA L. FANNÉY, P.E., LEED AP**  
Associate / Shareholder, *Kimley-Horn*

Named one of *Engineering News-Record Southeast's* 2017 Top Young Professionals, Fannéy has led site civil consulting services for sports facilities, office, retail, multifamily and mixed-use developments. She's worked on major Atlanta projects including the Mercedes-Benz Stadium, Colony Square Reinvention and The Shops of Buckhead Atlanta. Fannéy's strengths are in urban environment with specialization in redevelopment and infill projects.



**LORRAINE A. GREEN, P.E.**  
Executive Vice President,  
*Energy Division, Pond*

A Georgia Institute of Technology grad, Green has over 30 years of experience providing engineering services to the Energy industry. Under her leadership, Pond's Energy team has increased to include offices in Houston, California and Hawaii, with a headcount of over 150 technical staff. Projects for government and private clients span from Europe to the Pacific Rim and range to over \$500 million. From 2005-2008, Green also served as a Gwinnett County District Commissioner.



**ANDREA FOARD, AICP, LEED AP BD+C**  
Transit Division Manager/Deputy Director,  
*Cobb County Department of Transportation*

Foard oversees the County's public transportation system, CobbLinc, which includes local/fixed route, commuter express and paratransit bus services. In this role, she manages the contracted daily operations and maintenance of the system and plans for systemwide enhancements and expansion. Foard holds a bachelor of science degree in civil engineering from the University of Alabama-Birmingham and a master's degree in city and regional planning from Georgia Institute of Technology. She is currently pursuing a master's degree in real estate finance and development from Georgetown University.

**KATHERINE MCLEOD GURD, P.E.**  
Project Manager, *AECOM*

Gurd has helped Atlanta-area municipalities secure more than \$30 million in grant funding for capital projects during her 19-year career. She provided planning support and technical guidance to the Georgia Regional Water Planning program. As a volunteer, Gurd has held multiple leadership positions with the American Society of Civil Engineers both locally within the Georgia Section and now as a Governor of Region 5.



**RHANDI GALLEGOS, P.E., LEED AP BD+C**  
Project Manager,  
*American Engineers, Inc.*

Driven by her love of teamwork and collaboration, Gallegos has used her 22 years of engineering experience to take projects from concept to construction. Her career has included a wide-range of engineering projects including large-scale commercial construction projects to context-sensitive design solutions for a wide range of engineering projects. She is passionate about helping show the future generation the endless opportunities a career in engineering has to offer.



**REGAN HAMMOND, AICP**  
Senior Transportation Planner and  
Project Manager, *Arcadis*

Before bringing her skills to Arcadis as a transportation planner, Hammond held multiple senior and principal planner roles at the Atlanta Regional Commission. Her commitment to WTS' Atlanta Chapter includes the leadership roles of Director at Large, President and Immediate Past President, and she currently serves as the Transportation YOU Committee Chair. She also served as a Board Member for the Georgia Transit Association for two years.





**ANN HANLON**  
Executive Director, *Perimeter Community Improvement Districts*

Before joining the Perimeter Community Improvement Districts (CID) in 2017, Hanlon served as the Executive Director for the North Fulton CID. There, she grew the CID's project portfolio, annual budget, corporate partners and sponsorship roster, as well as managed day-to-day operations of staff and projects.



**LAURY JILL HODGES, P.E., CPESC**  
Chief Design Engineer, *VHB*

Hodges' expertise lies in her project management, technical design and planning preparation for transportation projects. With 30 years of experience, she has designed freeway facilities and state and local highways, and uses her technical skills to supervise projects in her current role. She co-founded McGee Partners in 2002 before its acquisition by VHB in 2017.

**JENNIFER HARPER, P.E.**  
Vice President of Transportation Infrastructure, *Landis Evans + Partners*

With 20 years of experience, Harper spearheads transportation planning and design for Landis Evans + Partners. She provides clients the technical expertise to develop transportation solutions, while providing guidance to help secure necessary funding to put projects in the ground. She has held multiple leadership roles with WTS Atlanta since 1999.



**KATHY HOLLAND**  
Director, *Gwinnett County Department of Planning and Development*

Holland has worked for Gwinnett County for 30 years, only interrupted by her time as a consultant from 1997-2002. In her first role, she acted as a Senior Development Review Analyst. When she returned, she contributed her expertise as a Development Review Manager until she was promoted first in 2005, and then to Deputy Director in 2014, before becoming the permanent Director in mid-2016.



**BETH HARRIS, FSMPS, CPSM**  
Vice President, *United Consulting*

A design and construction marketing professional since 1995, Harris serves as Vice President of business development at United Consulting. She is President-Elect of the Georgia Engineering Foundation, Past President of both SAME Atlanta Post and SMPS Atlanta and currently serves of the national Board of Directors for SMPS. Harris uses her expertise and influence to advance the marketing profession in the built environment.



**SARA HONEYWILL**  
Senior Executive Director of Facilities Management, *Technical College System of Georgia*

Honeywill was named the Senior Executive Director of Facilities Management of the Technical College System of Georgia (TCSG) in January 2015. She is responsible for working with state-level partners to provide strategic direction on project planning and development, real property transactions, design, construction and renovations, maintenance and operations for the 22 technical colleges and Quick Start.

**LYNDA HERRIG, P.E., LEED AP**  
Associate Partner, Director, Business Development, *Newcomb & Boyd, LLP*

With strengths in mechanical system design and project management, Herrig's 20 years of experience shape her role in leading business development efforts for Newcomb & Boyd. Herrig is an inductee in the Council of Outstanding Young Engineering Alumni from the Georgia Institute of Technology's College of Engineering.



**TINA HOUSTON**  
Vice President, *AECOM Water*

For over 33 years, Houston has contributed her expertise in environmental engineering on various water, wastewater, environmental remediation and aviation projects. Her clients include DeKalb County Department of Watershed Management and the Department of Aviation. Her past employers include Kaiser Aluminum, Georgia Environmental Protection Division, Parsons Main and CDM. Houston helped Hartsfield-Jackson Atlanta International prepare their first Sustainable Management Plan and to become the first U.S. airport to achieve international energy-management certification. In her role at AECOM Water, Houston serves as the Metro Market Leader for Georgia and Alabama. ▶





**KIMBERLY HUDGINS**  
 Director of Government Relations for  
 Southeast/Mid-Atlantic Division, *HNTB*

Hudgins' 23 years of government relations experience has proved an asset to HNTB, where she works daily to increase the firm's presence in Georgia. Past roles have included stints at Jacobs, as well as serving as Vice President of Georgians for Better Transportation and Executive Secretary for the Georgia Department of Transportation.



**BETTY JEAN JORDAN, P.E.**  
 Instructor, *NPDES Training Institute*  
 Executive Director,  
*Georgia Society of Professional Engineers*

Jordan's 20 years of project management and design experience includes specializations in hydraulics, hydrology and erosion/sedimentation control. After years of volunteering with the Georgia Society of Professional Engineers (GSPE), she began serving in her current role as Executive Director in 2017. She leads the annual GSPE MATHCOUNTS competition for both the Middle Georgia Chapter and the state.

**JENNY JENKINS, P.E.**  
 Senior Transportation Engineer, *VHB*

As Senior Transportation Engineer, Jenkins is responsible for technical design and plan preparation on transportation projects, as well as client coordination and management of junior staff members. Her experience spans 19 years and includes interstate, state and local highway design projects.



**NANCY JUNEAU**  
 Founder, CEO and Principal,  
*Juneau Construction Company*

A testament to Juneau's business skills and leadership, her firm Juneau Construction Company is a top woman-owned general contractor in Georgia and ranked No. 13 on the *Atlanta Business Chronicle's* Top 25 Commercial Contractors in 2017. Juneau serves on several boards and speaks regularly on panels, at conferences and at local business events.



**KAREN JENKINS, P.E., AIA**  
 Co-Founder and Managing  
 Partner, *Shear Structural*

Her 30 years of experience in both the engineering and architecture disciplines gives Jenkins a unique perspective for solving problems and understanding client needs. Her accomplishments include designing corporate headquarters, laboratory and research facilities, and educational buildings. She co-founded Shear Structural in 2017 as Atlanta's newest, woman-owned structural engineering firm.



**ALLIE KELLY**  
 Executive Director, *The Ray*

Kelly's career kicked off as a lobbyist for UPS in the nation's capital and then, in 2002, moved to Georgia to found Georgia Watch, the state's only consumer watchdog organization. In 2015, she took the position of Executive Director for The Ray, an 18-mile stretch of Interstate 85 in West Georgia used to develop, test and showcase evolving technologies for transportation infrastructure.



**JENNY JOHNSON, P.E.,  
 PTOE, IMSA TS II**  
 Traffic Engineer, *Kimley-Horn*

As the current President for the Intelligent Transportation Society of Georgia, Johnson represents the first female and youngest person to hold the role in the chapter's history. As a Traffic Engineer with Kimley-Horn, she has led traffic signal optimization services for over 30 intersections and has produced 300 traffic signal permits for the RTOP Flashing Yellow Arrow Upgrades project.



**LORI KENNEDY**  
 Owner, *Kennedy Engineering & Associates Group, LLC (KEA Group)*

Since founding her firm in 2003, Kennedy's business has earned a reputation for responsive service and providing innovative solutions in transportation. Her accomplishments include overseeing the construction of the Talmadge Memorial Bridge – the first cable stay bridge in Georgia – and a majority of the interstate reconstruction and widening in the metro Atlanta area.





**STACEY KEY**  
 Representative – Congressional District  
 5, State Transportation Board

As a part of the 14-member State Transportation Board, Key is tasked with supervision of the Georgia Department of Transportation, including approving long-range transportation plans and overseeing the administration of construction contracts. She is the President of GBK Enterprises and has over 20 years of experience in sales, marketing and operations for IBM, Schlumberger, Bellsouth and Samsung.



**PHYLLIS LAMME**  
 President, McFarland-Dyer  
 & Associates, Inc.

As Owner and President of McFarland-Dyer & Associates, Inc., Lamme believes in the principles of partnership, teamwork and long-term relationships. Over its 22-year life, Lamme's firm has grown to include the specialties of landscape architecture, civil engineering, land planning, land surveying and construction administration.

**KATIE KIRKPATRICK, P.E.**  
 Chief Policy Officer, Metro Atlanta  
 Chamber of Commerce

In her role with the Metro Atlanta Chamber, Kirkpatrick focuses on public policy, government affairs and political action. Her experience includes key roles in shaping environmental policy and overseeing water-related issues, including serving as Director of Environmental Engineering for Gold Kist, Inc. She is currently Vice-Chair of the Metropolitan North Georgia Water Planning District and received the *Atlanta Business Chronicle's* prestigious "40 Under 40" award in 2011.



**HARRIET ANDERSON LANGFORD**  
 President, The Ray

As President of The Ray and Trustee of the Ray C. Anderson Foundation, Langford is keeping the memory and legacy of her father alive. In 2015, she was appointed to the board of the Biophilic Institute, and is a past Board Member of the Georgia Conservancy and Sustainable Atlanta.



**CRISTY LAWRENCE, P.E.**  
 Land Development Project  
 Manager, Wolverton

Lawrence boasts over 21 years of experience in public and private sector land development projects. She spent five years as the Liaison for Development Services for Savannah, Ga. and is President of the Board of Directors of the Savannah Engineering Academy. Lawrence was awarded Young Civil Engineer of the Year by the Georgia Section of the American Society of Civil Engineers in 2005 and the Young Engineer of the Year by the Georgia Society of Professional Engineers in 2006.



**DAVEITTA JENKINS KNIGHT, P.E.**  
 Georgia Transportation Ops Manager,  
 Division Vice President, Jacobs

Knight's 24-year career started at the Georgia Department of Transportation (GDOT) and has taken her into several leadership roles in consulting, including her current role at Jacobs. She is active in various professional and community organizations. Knight currently serves in the GPTQ and was recognized by GDOT Commissioner Russell McMurry with a special award in 2016 as the GPTQ Procurement Subcommittee Co-Chair.

**MARY KAY KNIGHT, P.E.,  
 F.SEI, M.ASCE**  
 Principal, Uzun+Case, LLC

Knight has managed countless large-scale projects during her 18 years at Uzun+Case, LLC, including the Georgia Aquarium and the Wind Creek Casino and Hotel in Atmore, Ala. Knight has won several state and national awards for her work and currently serves on a committee for the American Society of Civil Engineers – Georgia chapter.



**DANA LEMON**  
 Representative – Congressional District  
 13, State Transportation Board

Lemon serves as a part of the 14-member State Transportation Board, where she helps supervise and make decisions for the Georgia Department of Transportation. Elected in 2003, Lemon is one of the longest-serving on the State Board. She is the President of W.D. Lemon & Sons Funeral Home and co-hosts a local TV talk show, Community Spotlight. In 2011, Lemon won the Generational Torch Award from the Georgia Black Chamber of Commerce. ▶





**J. ELLEN LONG, P.E., LEED AP**

*Founder and President, Long Engineering, Inc.*

Long is the Founder and Owner of Long Engineering, Inc. The firm has offices in Atlanta, Savannah and Birmingham where it provides services in the areas of land surveying, land development, bridge design, transportation engineering, construction inspection and engineering (CEI) and sub-surface utility engineering (SUE). Long Engineering, Inc. has been a Zweig Hot Firm (top 100 fastest growing A/E/P firms in the U.S.) seven times including 2017 (No. 24) and is currently celebrating its 20th anniversary.



**TARA MCCULLEN**

*Regional Environmental Services Manager, Burns & McDonnell*

McCullen has managed more than 100 environmental, health and safety (EHS) compliance, sustainability and remediation projects during her 20-year career. Her experience includes outstanding work with ISO 14001 and OHSAS 18001, key standards for EHS management systems.

Projects she has led have received three Champion of Excellence Awards from the Alliance of Hazardous Materials Professionals and an ACEC Georgia Engineering Excellence Honor Award.

**ANN MASSEY**

*CEO of Environment & Infrastructure, Wood (formerly Amec Foster Wheeler Environment & Infrastructure Inc.)*

Massey's 30 years of experience has proven an asset as she leads high-performance teams at Wood. Under her leadership, the Environment and Infrastructure Solutions business has seen market growth across the globe. Her strengths are in business management, operations and creating a customer-focused culture.



**MEGHAN MCFERRIN**

*STEAM/STEM Program Specialist, Georgia Department of Education*

McFerrin started with the Georgia Department of Education in 2017 helping to lead its STEAM/STEM initiatives, and brings a plethora of experience with her. For over two years, McFerrin spearheaded school and teacher services at the High Museum of Art and has held similar educational positions at the University of Georgia and the Georgia Museum of Art.



**CINDY MATYAS, P.E.**

*President / Senior Engineer, Waterhouse Engineering, LLC*

A National Bridge Inspection Standards certified bridge inspector, Matyas boasts over 20 years experience in bridge hydraulics, bridge design, bridge rehabilitation, bridge inspections and load rating services. She started her own firm CMM Engineering Services, LLC in 2010. At the woman-owned Waterhouse Engineering, LLC, Matyas leads a team specializing in transportation drainage, stormwater management and floodplain management, as well as

structural design related to bridges and roadway drainage features.



**EMILY MEADOR, P.E.**

*Senior Vice President, Kimley-Horn*

Meador is the current Secretary on the Board of Directors for the American Council of Engineering Companies of Georgia (ACEC Georgia) and a Senior Vice President at Kimley-Horn. In this role, she supports more than 500 engineers in the firm's Southeast region through strategic planning, senior recruiting and client relations.

**JULIE MCLEAN, P.E.**

*City Engineer, City of Savannah*

Named the 2017 Engineer of the Year in Government by the Georgia Society of Professional Engineers, McLean was the first female engineer the City of Savannah ever hired and the first woman to be named City Engineer. She boasts 30 years of experience, during which she's managed projects totaling more than \$50 million and overseen permitting and inspection for projects totaling over \$2 billion.



**EMMY MONTANYE, P.E., LEED AP**

*Principal, Kimley-Horn*

Named the inaugural 2018 Engineering Impact Award recipient from ACEC Georgia, Montanye is widely recognized as an industry leader. Her most impressive projects include significant contributions to Mercedes-Benz Stadium, SunTrust Park and The Battery Atlanta, Emory Midtown Cancer Treatment Center, NCR Headquarters and the College Football Hall of Fame.





**KIRSTEN MOTE, AICP**  
 Program Director, Aerotropolis Atlanta  
 Community Improvement Districts

Mote is primarily responsible for program management of the Aerotropolis Atlanta Community Improvement Districts. Formerly a transportation planner with HNTB, Mote's two years in her current position include managing transportation, land use, community improvement and economic development projects. She also formerly held the role of Treasurer for WTS Atlanta.



**ELIZABETH O'NEILL**  
 Interim General Manager,  
 Chief Executive Officer and  
 Chief Counsel, MARTA

O'Neill's service with Metropolitan Atlanta Rapid Transit Authority (MARTA) has primarily comprised the role of Chief Counsel, where she provided legal support to MARTA's Board of Directors and CEO, until being selected to serve as Interim General Manager and CEO in September 2017. O'Neill also advises this top-10 U.S. transportation agency as trustee for the Defined Contribution and Defined Benefit Pension plans.

**ERIN MURPHY**  
 Managing Director, VHB

Murphy manages the Atlanta operations at VHB, leading an integrated team of roadway design engineers, traffic engineers, transportation planners and environmental specialists. As a senior environmental project manager, planner and architectural historian, Murphy oversees a variety of projects for the Georgia Department of Transportation and other clients.



**CATHERINE OWENS, P.E., LEED AP**  
 Principal Engineer, Atlanta BeltLine, Inc.

Before joining the Atlanta BeltLine, Inc. team in May 2012, Owens spent over 10 years in engineering consulting. While at ABI, she has successfully led the design team for the TIGER V-funded Westside Trail design; led the design and construction of the North Avenue plaza at Ponce City Market and the Edgewood Avenue Bridge replacement; and several streetcar expansion NEPA projects. As part of the Program Management team, she supports ABI staff with technical support during the planning, design and construction of the entire program of projects, including but not limited to park, transit, streetscape and trail design; real estate acquisitions; and asset management.



**KIMBERLY NESBITT**  
 Administrator – Program Delivery Office,  
 Georgia Department of Transportation

In her 17-year tenure with the Georgia Department of Transportation, Nesbitt has served in several roles. She was first a Designer in the Office of Traffic Operations for five years until she transitioned to a Contract Negotiator and Project Manager in the Office of Consultant Design, holding both positions for a total of nine years.



**HOLLY PAINTER, P.E.**  
 Project Manager, KCI Technologies Inc.

Helping to revamp KCI's Atlanta presence, Painter's experience includes roadway, drainage, and bridge design as well as two of Georgia's design-build projects. She is in her third year as a Director for the ASHE Georgia section, Georgia Section ITE affiliate member, WTS member, and serves on the ACEC membership committee. She

**JENNIFER OETGEN, P.E.**  
 Principal and Officer, Hussey Gay Bell

With nearly 20 years of experience specializing in municipal water and wastewater systems and facilities design, Oetgen has designed more than 10 water quality control plant projects throughout the Southeast, including the first Membrane Bioreactor Wastewater Treatment Facility in Coastal Georgia -- the award-winning City of Richmond Hill Sterling Creek WRF.



**HIRAL PATEL, P.E.**  
 Director of Engineering, Georgia  
 Department of Transportation

Patel was named Division Director of Engineering for the Georgia Department of Transportation in December 2015. She was most recently the Administrator of the Office of Environmental Services. Previous positions include Assistant Office Head in Program Delivery and various roles in District Construction. She has been with the Department for over 20 years. Patel has a bachelor's in civil engineering and is a licensed professional engineer. ▶



was also named to the 2015 "Top 20 Under 40" list by *Engineering News Record Southeast*.



**MARGARET "MEG" PIRKLE, P.E.**  
Chief Engineer, Georgia Department of Transportation

The first female to serve in the role of Chief Engineer for the Georgia Department of Transportation, Pirkle has held a total of seven roles in her 25 years with the organization. During her tenure, she's managed the \$930 million federal stimulus program and implementation of the Governor's Winter Weather Taskforce.



**TYLER RICHARDS**  
Assistant Director, Gwinnett County Department of Water Resources

Richards helps maintain innovation, service excellence and good environmental resources stewardship in her current role with Gwinnett County. She also has experience as the Public Works Manager for the City of Atlanta where

she oversaw wastewater treatment and watershed management. Richards was also previously the Deputy Director of Gwinnett County's water, field operations and stormwater projects.

**ANN PURCELL**  
Vice Chair – Congressional District 1, State Transportation Board

Purcell served in the Georgia House of Representatives in two separate terms. Her experience includes office manager at Chatham Radiation Oncology Associates, a teacher and a real estate salesperson. Purcell has been named 10 Top Women of Effingham County by *Effingham Herald and County Citizens*.



**SALLY RIKER, F.SAME**  
Partner, Lowe Engineers LLC

With 20 years of experience in the A/E industry, Riker has significantly increased Lowe Engineers' clientele since joining the firm in 2003. Riker is a Fellow in SAME and is an Elected Director on the National Board of Direction for SAME. Additionally, she serves on the Advisory Board for Urban Land Institute Atlanta, Board of Directors for the Council for Quality Growth, SAME Savannah Post and is Co-Chair of the Women's Leadership Initiative for ULI Atlanta.



**TRACY RATHBONE**  
Executive Director, Town Center Community Improvement District

Rathbone manages a current budget of \$9.4 million to develop infrastructure, greenspace, trails and enhance the overall quality of life in the Town Center Community Improvement District as its Executive Director. Past experience includes Coxe Curry & Associates, metro Atlanta's largest nonprofit consulting firm. Rathbone was recently named the 2017 "Woman of Distinction" by the Cobb Chamber, 2017 member of the "40 Under 40" class by *Atlanta Business Chronicle* and a 2018 Notable Georgian by *Georgia Trend* magazine.



**MALAIKA RIVERS**  
Executive Director, Cumberland Community Improvement District

Rivers leverages her 24 years of experience to improve infrastructure and service, managing two dozen capital projects as head of the Cumberland CID. She has delivered a 500 percent return-on-investment on these projects. Rivers holds many recognitions: "Notable Georgian" and "40 Under 40" by *Georgia Trend* and "25 Power Women to Watch" by *Atlanta Woman*.

**NICOLE REUTLINGER, P.E.**  
Project Director, Atkins

Reutlinger has over 19 years of experience as a transportation engineer, working the past 14 years with Atkins, a member of the SNC-Lavalin Group. She is a program manager on projects for state, local governments and community improvement districts. An active member of the American Society of Highway Engineers, Georgia Chapter, Reutlinger is the current National Conference Committee Chair. Her bachelor's degree in civil engineering is from Georgia Institute of Technology.



**JENNIFER ROACH, P.E., CFM**  
Water Resources Engineer/Team Coordinator, Thomas & Hutton

With 11 years' experience, Roach specializes in planning, designing, permitting and constructing water resources-related projects. She's had a hand in significant projects since beginning her career with Thomas & Hutton in 2006, including the Island Expressway Bridge over Wilmington River Hydraulic and Hydrological Study in Chatham County, Georgia Air National Guard Base-Wide Stormwater Management Study in Savannah; the U.S. Highway 17 Drainage Improvements in Glynn County; and the Tradeport West FEMA Study in Liberty County.





**KELLY ROBERTS, P.E., LEED AP BD+C**  
Principal / Structures, *Walter P Moore*

Roberts' team won the 2016 Engineering Excellence Grand Prize Award from ACEC Georgia for The National Center for Civil and Human Rights in Atlanta. She leads her firm's Sustainable Design Community of Practice, is a founding Board Member of the Lifecycle Building Center of Greater Atlanta and is a member of the Structural Engineering Institute Sustainability Committee.



**REBECCA SHELTON, P.E., F.ASCE**  
Deputy Director of Facility Operations, *Gwinnett County Department of Water Resources*

Shelton uses her 20 years of civil engineering experience to oversee the operation and maintenance of Gwinnett County's water and sewer facilities. She was President of the American Society of Civil Engineers Georgia section from 2014-2015 and led development of the 2009 and 2014 Georgia Infrastructure Report Cards for the organization.

**JOY ROHADFOX**  
President/CEO, *Rohadfox Construction Control Services Corporation*

Rohadfox oversees the corporate direction of her family business, focusing on leadership, innovation and clients. She's earned high profile contracts with state agencies, municipalities and federal agencies on a national level, using outstanding business strategies to drive repeat business. She received the "Women Who Move the Nation" award from the Conference of Minority Transportation Officials in 2015.



**ANGELA SNYDER, P.E.**  
Practice Area Leader \\\ Transportation, *Wolverton*

Snyder's strengths in project management allow her to understand complex projects, oversee design activities, manage design staff and coordinate with various agencies. She has previously served as President of WTS Atlanta and was awarded Young Engineer of the Year by the Georgia Society of Professional Engineers in 2015.



**BETH ANN SCHWARTZ, P.E.**  
Senior Associate, *Michael Baker International*

Schwartz has over 23 years of experience in transportation design specializing in pedestrian enhancements for local municipalities. She has been involved in the design and supervision of a wide variety of roadway projects for both state and local governments throughout her career. In 2001, she joined Michael Baker International (formerly LPA GROUP INCORPORATED) and has been promoted over the years to her current role of Senior Associate. She serves on the Board of Directors for the WTS Atlanta Chapter as a Director at Large and is an active member of the American Society of Highway Engineers.



**JENNIFER SPEERS, P.E., S.E.**  
Senior Structural Engineer, *Merrick & Company*

Speers is a Senior Structural Engineer with Merrick & Company and has more than 15 years of experience designing various complex projects. She served as the structural designer of record for the one-of-a-kind NASA SLS Liquid Hydrogen Tank Test Stand at Marshall Space Flight Center in Huntsville, Ala., and is currently leading the way for structural design modifications to high bays in the Vehicle Assembly Building at Kennedy Space Center in Florida to support NASA's journey to Mars.

**JULIE SECRIST, P.E.**  
Senior Project Manager, *Southeastern Engineering, Inc.*

In 2017, Secrist earned the Young Engineer of the Year Award by the Georgia Society of Professional Engineers. Two years earlier, she was named Young Civil Engineer of the Year by the American Society of Civil Engineers Georgia Section. In her career, she's helped the Georgia Department of Transportation restore 17,000 properties.



**HILLARY TANNER**  
Senior Lecturer, *College of Engineering, University of Georgia (UGA)*  
Faculty Advisor, *UGA Chapter, Society of Women Engineers*

Tanner strives to integrate activities into her engineering courses at the University of Georgia that support student learning through visualization skills. She is the College of Engineering's faculty liaison for ABET accreditation and has traveled to Costa Rica with colleagues and students to put engineering theory to practice. Her mission is to provide the best academic experience possible for her students at the University of Georgia. ▶





**NANCY TURNER, P.E.**  
Senior Lecturer, *Kennesaw State University*

In addition to her current role, Turner serves as Faculty Advisor for Kennesaw State University's Student Chapter of the American Society of Civil Engineers and its Competition Team. In recognition of this effort, she was named the 2017 Engineer of the Year in Education by the Georgia Society of Professional Engineers. Turner launched her career at Lockheed Martin working on a top-secret project before turning to academia.



**KELLI WEIGLE**  
Business Development  
Manager, *THC, Inc.*

Weigle has proven herself an asset to her firm as the recipient of the THC Impact Award in 2016 and THC Employee of the Year Award in 2015. She is currently the Social Committee Chair for the American Society of Highway Engineers Georgia Section.

**CHRISTINE VALLE, PH.D.**  
Director, *Women in Engineering Program*  
Senior Academic Professional,  
*Georgia Institute of Technology*

Valle's doctoral work was in the nondestructive evaluation of advanced materials using linear and nonlinear ultrasonics with computational modeling. She's also worked on a research project sponsored by the National Science Foundation. Valle's passionate about women and minorities issues in engineer-



ing education and earned the Undergraduate Educator Award from the Center for Excellence in Teaching & Learning in 2010.

**MELISSA WHEELER**  
Transmission Project Management,  
*Georgia Power Company*

In her current role, Wheeler focuses on evaluating and resolving GDOT projects for Transmission conflicts, coordinating different groups such as land, engineering, construction and operations. Wheeler previously served as the Region 5 Director and Region 5 Governor for the American Society of Civil Engineers Georgia Section.



**SHERL A. WHITE**  
Civil Engineer/Design-Build  
Construction Manager, *HNTB*

White has won contracts with several state transportation agencies and toll highway authorities in her 28 years of civil engineering experience. She's helped HNTB become known as a national engineering firm focused on technical excellence and innovation. White has participated in WTS Atlanta as a volunteer for 15 years.



**LORETTA C. WASHINGTON, P.E., F. ASCE**  
President and CEO, *LCW Engineering, Inc.*

After launching LCW Engineering, Inc. in 2004, Washington became one of the few African American women in the United States to found an engineering firm. She brings over 32 years of civil engineering and construction management experience to her role, providing the firm's clients with design and construction plans for public works infrastructure projects.



**DR. KARI EDISON WATKINS, P.E.**  
Associate Professor, *Georgia Institute of Technology*

Watkins' research includes multi-modal transportation planning and the use of technology in transportation. She co-created the OneBusAway program for greater Seattle-Tacoma in Washington state, winning numerous awards for the project. She was named a Top 40 under 40 from *Mass Transit Magazine* in 2013 and New Faculty Award from the Council of University Transportation Centers in 2017.



**MALIKA REED WILKINS, PH.D., APR**  
Director – Georgia Commute Options  
Marketing, *Atlanta Regional Commission*

In her present role with the Atlanta Regional Commission, Wilkins manages Georgia Commute Options, a \$20 million commuter travel program. She serves as strategist and content manager for ATLtransit.org and spearheads activities for the Transform 285/400 Major Mobility Investment project on behalf of the organization. Wilkins currently serves as the President of WTS Atlanta, a role she assumed in 2017.





**DORIS WILLMER, P.E., LEED AP**  
President, *Willmer Engineering Inc.*

Not only has Willmer led her own firm for the past 35 years, she has spearheaded industry growth in Georgia for four decades. She has won countless awards, including the 2017 Georgia Society of Professional Engineers Lifetime Achievement in Engineering Award and the Association of Civil Engineers Georgia Section Engineer of the Year in Private Practice Award.



**LISA WOODS, P.E., F.S.E.I., F.ASCE**  
Project Manager, *HNTB*

Before becoming a project manager for HNTB, Woods designed many bridges around the State of Georgia. Woods is Past President of the Georgia Section of the American Society of Civil Engineers (ASCE), holding multiple positions with the organization. She served as the ASCE National Engineers Week Committee Chair for two years and has been a Region 5 Governor. As a recognized transportation professional in Georgia, Woods is also an active participant in the GPTQ Transportation Forum.

**ASHLEY WOLVERTON**  
Director of Talent Management, *Wolverton*

Wolverton works with the executive team at Wolverton to align mission and values, improve performance and increase engagement in her role as Director of Talent Management. In this position, she leads the creation of training and growth plans for individual team member success. Her professional strengths lie in creating a culture of engagement through training, communication, effectiveness and teamwork.



**CLAUDIA LYNN ZIBANEJADRAD**  
CEO, *Oasis Consulting Services, Inc.*

Leading the team at Oasis Consulting Services, Zibanejadrad helps maintain the firm's reputation for construction quality assurance, landfill design, materials testing and construction management services. She runs the 22-year-old firm as a Women's Business Enterprise (WBE) and helped expand its offerings to civil design, environmental assessments and geotechnical engineering.



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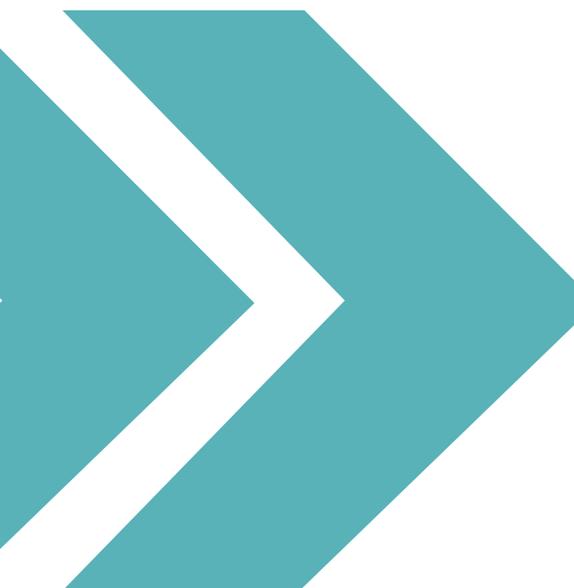
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# » SMART MOVES

***Flexible Schedules, Telecommuting,  
Mentoring and Leadership Initiatives  
Help Attract and Retain Talented Women***

*By Lori Johnston*

Jenny Jenkins, P.E. entered the engineering field about 20 years ago and didn't even think about asking her employer what would happen when she started to have children. Unlike females interviewing for internships and jobs today, she didn't inquire about part-time schedules, maternity leave and flexibility to juggle both a job and family commitments.



But Jenkins remembers when a business decision was made with that in mind. Her employer was buying new computers, and her boss suggested that she get a laptop. She wasn't pregnant at that time, but planned to start a family in a couple of years. "I did hope that I would still be able to continue to have not just a job, but a career, moving to part-time," says Jenkins, Senior Transportation Engineer at VHB, a civil engineering firm.

When she had her first child in 2007, she scaled back to 30 hours a week. As for that laptop — it provided connectivity and access for her to work from home, when necessary. Her longtime boss, Tommy Crochet, often says he depended on her so much — and recognized the cost of training new employees — that he would rather have her for 30 hours a week than zero hours. "When you have someone who is self-motivated, clearly committed to the company and doing their work, it's important that you provide that availability," says Crochet, a Principal and Transportation Design Lead — Southeast Region at VHB.

Meanwhile, Jenkins, now a mom of two, says many of her former female classmates at the Georgia Institute of Technology (Georgia Tech) either became stay-at-home moms or changed careers because their employers were unwilling to offer reduced hours or telecommuting.

"They didn't have the opportunity to work part-time while their children were little," says Jenkins, who graduated with a degree in civil engineering in 1999. "If a mom decides to take a little bit of time off, even if just time off for maternity leave, and come back part-time, it alleviates the fear of, 'How am I going to keep my career if I leave the industry for a few years?'"

More than 20 percent of engineering school graduates are women, but only 11 percent of practicing engineers are female, "despite decades of academic, federal and employer interventions to address this gender gap," according to "Stemming the Tide: Why Women Leave Engineering," a 2011 study by University of Wisconsin-Milwaukee researchers. One in four females leave to spend time with family. A key reason why those who did not pursue work in the field after graduation is because of "their perceptions of engineering as being inflexible or the engineering workplace culture as being non-supportive of women," according to the study.

Companies that provide schedule flexibility, telecommuting and other perks, such as childcare assistance, create a way for women to stay in or return to engineering, especially after having a child. Offering incentives makes good business sense, say employers, because they can help bridge the workforce gap, as well as find and retain talent. ▶

When women remain in the workforce, even at fewer hours, companies don't have to spend time and money to find and train their replacements. Dual-working households also present a need for flexibility and understanding, especially when one parent needs to be home before dark or if a spouse travels often or works longer hours.

"In the current hiring climate, good employees are too valuable, so we've got to work with our employees. It's too hard to find available good talent right now," says Taylor Wright, P.E., Vice President and Sector Manager at Atkins, part of SNC-Lavalin's Engineering, Design and Project Management business, that provides flexible schedules, part-time options, working from home and even an arrangement where employees don't work during school holidays.

But it's not just benefits that retain women in the workplace, but also mentoring and leadership development programs. Some firms recognize the importance of mentoring, especially providing that support to females with excellent organization and communication skills that give them leadership potential.

"We've been really successful the last five years of bringing some outstanding young women into our practice. I find that they're the best-qualified candidates, but the thing that is a challenge for us — and it's something we've got to figure out — is how to take these outstanding young women practitioners and help them get into leadership positions,"

“

## THE DYNAMICS OF OUR BUSINESS WORLD ARE CHANGING.

says Bruce McNitt, Senior Vice President of Arcadis. "That's the challenge."

### THINKING LONG-TERM

LIFT took off at Kimley-Horn three years ago and continues to evolve with new benefits and support for female employees, along with accolades. It's among the reasons why Kimley-Horn was named Employer of the Year by Women's Transportation Seminar — Atlanta (WTS Atlanta), *Fortune* magazine's 100 Best Workplaces for Women and a Diversity Award from the American Water Works Association.

LIFT, which stands for Lasting Impact for Tomorrow, is an initiative to support women and help them reach their full career potential through networking events, family-focused tools (such as backup childcare and maternity transition coaches) and targeted

development programs. It's a long-term, intentional investment by Kimley-Horn, a national company with more than 80 offices and 3,000 employees, to invest in female employees and to help women fill leadership roles in the firm, says Emily H. Meador, P.E. and Senior Vice President. "The dynamics of our business world are changing, and Kimley-Horn has recognized that," Meador says.

Women comprise an increasing number of both top engineering graduates and the firm's clients, but a disproportionate number of Kimley-Horn's practice builders are male. Kimley-Horn recognized that "we have talent that we need to retain, and at a certain age, we learned we were losing many of our women," Meador notes. "It's something that from a talent retention perspective we wanted to address, but also a way to be current with the expectations that are out there in our business world."

The "Stemming the Tide" study also found that key supportive people in the organization, such as supervisors and co-workers, influenced decisions among women to stay in the engineering field. "Current women engineers who worked in companies that valued and recognized their contributions and invested substantially in their training and professional development, expressed greatest levels of satisfaction with their jobs and careers," the study notes.

LIFT's career development component includes bringing in a third-party consultant for an annual workshop with rising women leaders in the firm. ▶



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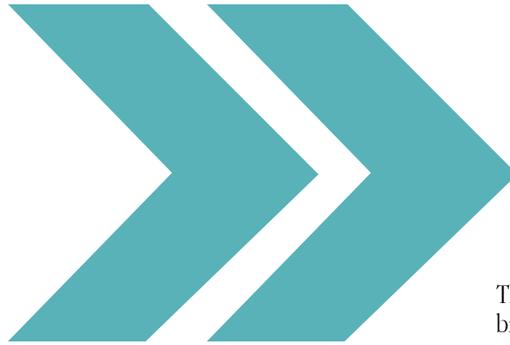
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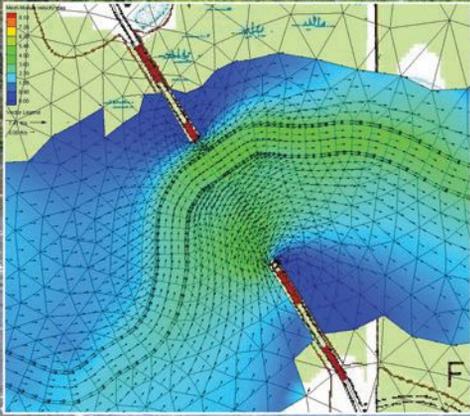
**THE CAREER DEVELOPMENT TRAINING HELPED ME WITH A SENSE OF PROFESSIONAL AWARENESS AND TO UNDERSTAND THAT OPPORTUNITIES FOR MY OWN CAREER WERE BIGGER THAN I HAD EVER EVEN EXPECTED.**

They learn how to leverage their professional brand, engage their network externally and recognize the importance of feedback, says Meador, who has participated in the workshop. “The career development training helped me with a sense of professional awareness and to understand that opportunities for my own career were bigger than I had ever even expected,” she adds.

Another facet is LIFT talks that are led and moderated by women in leadership at Kimley-Horn who offer their secrets for success via audio and video conferences. Topics are focused on career growth and leadership development instead of technical training and have ranged from confidence and competence to taking the lead and building trust.

In addition, when a woman prepares to go on maternity leave, a maternity transition team works with her on a transition plan to determine how her projects and clients will be managed while she’s on leave. Women can also elect to have a mom buddy, another Kimley-Horn woman who has experienced the process, even recently, who can answer questions on a professional and personal level to provide a support network. In addition, a mom coach — an external certified professional — is available to provide support during this time of transition. “We get excited when our women want to come back, whether it’s after a typical maternity leave, or if they decided to do something different and decide to return,” Meador says.

Investing in women manifests itself in a variety of ways, but an initial sign of success is that two of the last four winners of the firm’s Practice Builder of the Year — the most prestigious internal award — have been women. ▶



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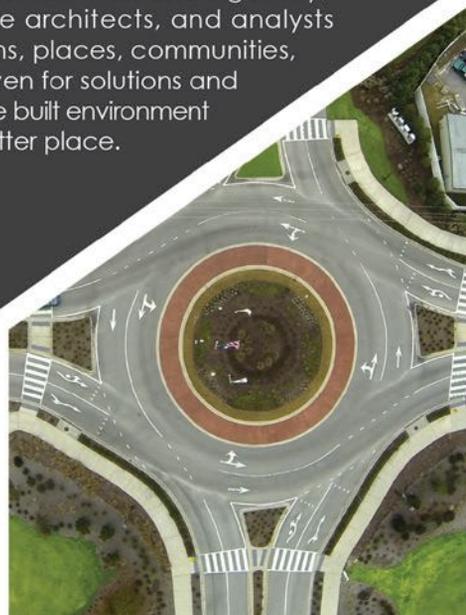
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## LEAVING THE “CLOCK IN, CLOCK OUT” MENTALITY BEHIND

Throughout the industry, employers and managers recognize that scheduling is one of the biggest challenges, especially if parents need to work around kids’ activities and schedules, or quickly react to emergencies and illnesses.

“We don’t want to ignore that many women have a challenge when they become a mother, in terms of understanding what their career may look like going forward and how to manage all of these demands on time,” Meador says.

For about nine years, Nikki Reutlinger, P.E. worked on a part-time basis for Atkins, which she joined in 2004, before she had her two children, now 10 and 11. When her children were born, flexibility was huge as she dropped her work schedule to between 10 and 15 hours a week. As her children grew older, she increased her workload to 24 hours or more a week, which provided benefits and still allowed her to participate in their activities and take time off for doctor’s appointments. “I know some companies didn’t have as many options as I was afforded,” she says of the experience, “but the fact that I could go to 24 hours and still have insurance benefits was huge.”

Like Jenkins, she credits a good relationship with Wright, her boss, for allowing her to have a flexible schedule and career growth. “He’s always tried to help me with my career so that being part-time isn’t a hindrance,” says Reutlinger, who graduated in 1998 from Georgia Tech with a civil engineering degree and now is a Project Director for Atkins.

Having Reutlinger stay involved with the firm, even at fewer hours, was valuable. From the in-house training and lunch-and-learn sessions with vendors that she organizes

to relationships with clients, Wright didn’t want to lose her as an employee. “She’s always working to advance the team and to keep the team together,” Wright says. “Clients really like her. She has the technical skills and the personal skills.”

Female professionals involved in LIFT have helped Kimley-Horn identify areas to boost benefits, such as with schedule flexibility and childcare. “I travel as a part of my role, so there are long days and then there are shorter days,” Meador says. “It’s just culturally not a problem when my child has a doctor’s appointment or if they get sick and I need to leave to go pick them up. As long as our clients and our teams have access to our people, we’ve made it a statement as a company that we’re very open to various flexible arrangements.”

At VHB, Jenkins and Crochet recognize that flexible schedules work best when people have shown a level of responsibility and dedication to a company. “The one word is loyalty,” says Crochet. “We try to show loyalty to our staff and we get it in return. When something comes up, we’re going to deal with it and find a way to work it out to keep them on board with us.”

To make a flexible schedule and working outside the office successful, Reutlinger and Wright took steps such as establishing



**I PROBABLY  
WOULDN'T  
BE WHERE I'M  
AT CAREER-  
WISE WITHOUT  
THIS FLEXIBILITY  
AND I COULD  
NEVER HAVE  
BEEN THE  
MOM THAT I  
WANTED TO BE.**

a regular meeting time to touch base at least once a week and keeping open communication. Reutlinger works during the school day and sometimes at night, so that she can be available after school for her children.

“There’s no way that I could work 40 hours sitting in an office for eight hours a day. I’d have to quit,” Reutlinger says. “I probably wouldn’t be where I’m at career-wise without this flexibility and I could never have been the mom that I wanted to be.”

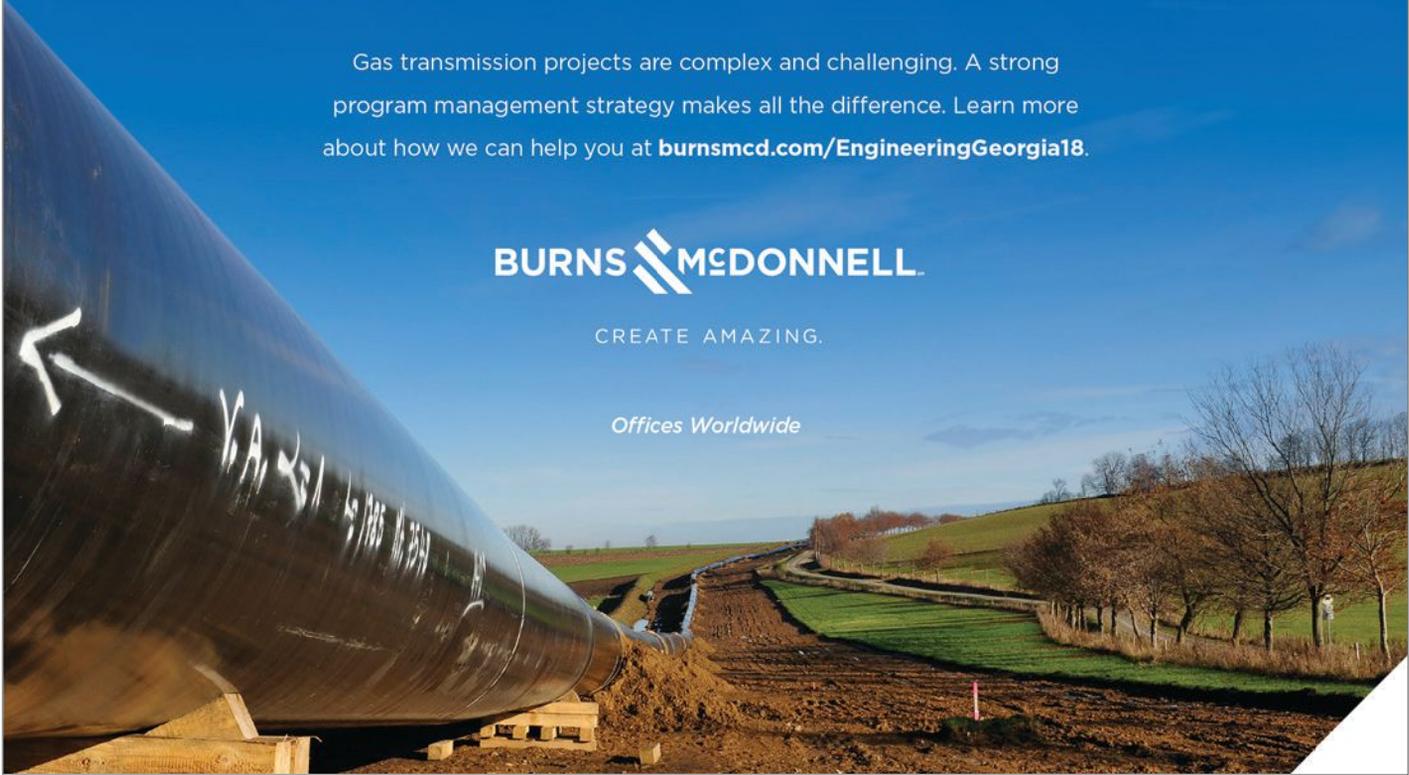
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# BAL ANC ING ACT

***From Planning to Partnerships to Putting Plans into Action,  
These Five Women Help Shape the Future of Metro Atlanta***

*by Lori Johnston  
Photography By Jennifer Stalcup*

These five women who serve as Executive Directors of Community Improvement Districts in metro Atlanta are among the females making names for themselves in Georgia.

They've overcome obstacles and stereotypes to become leaders of critical organizations comprised of commercial property owners who tax themselves to fund improvements within those areas. They bring their diverse backgrounds, skill sets and perspectives to a unique intersection of commercial real estate, infrastructure, engineering and politics, which are traditionally male dominated industries.

In doing so, they understand what it takes to develop shared vision, partnerships and teamwork to plan for the future in one of the country's fastest-growing regions. Here, they share their thoughts on a set of five questions about current projects, their vision and their experiences as women... ▶



# WHAT ARE PRIORITY PROJECTS IN YOUR CID FOR 2018?

**ANN HANLON:** Our main effort is a master planning process, which we're estimating should take four to six months. I really want to take the time to be thoughtful about it – to sit down and have face-to-face meetings with each of our Board members, stakeholders and our investors so that everybody is very clear about what we plan to do over the next 10 years.

On a more granular level, we will coordinate with each of the cities within our boundaries, as well as the Georgia Department of Transportation (GDOT), to do signal timing in the district. In partnership with GDOT and all of those cities, we're going to be laying some infrastructure to help make the signal timing even better. That's about a \$3 million project over four months.

**MALAIKA RIVERS:** The Cumberland CID and its partners recently completed \$130 million worth of projects; a huge accomplishment for any community. In 2018, the Board of Directors will consider the next round of projects it intends to deliver over the next decade. In the meantime, the Akers Mill Ramp, a \$45 million project that will construct a north-facing ramp into the Managed Lanes at Akers Mill Road and Interstate 75, continues to be a priority. We're in

great shape with that effort, as 87 percent of the funds have already been assembled, leaving a gap of \$6 million remaining. That money will be collected over the next two years prior to its construction.

In addition, a new primary reliever, the Windy Hill/Terrell Mill Connector, is fully funded, and it just needs to go through its design and permitting. Finally, the CID set aside money last year to put toward launching a bike share program. Look for at least three bike share stations opening up this spring, including stations at the Chattahoochee River park units that are within the CID.

**ALYSSA DAVIS:** We're going through a Sugarloaf LCI (Livable Centers Initiative) master plan in partnership with Gwinnett County that started in September last year, and plan to complete it by mid-year. That will really map out the vision for the area and our long-term vision, along with our list of projects that will be eligible for funding through the Atlanta Regional Commission.

We also have a project that is a SPLOST-funded improvement at the intersection of Sugarloaf and Satellite, and some improvements to Sugarloaf Parkway. That's really the gateway to the CID.

Another project that we will be starting is the Infinite Loop Trail. It's a 16-mile trail that travels through our district that's in the county's trail plan. We applied to the Atlanta Regional Commission (ARC) and were selected for funding for a grant for that project as well. We are looking forward to getting started with a scoping study to get that trail project moving forward later this year.

## MARSHA ANDERSON BOMAR:

We'll be completing our Jimmy Carter Boulevard LCI update, and we have several land development projects that are brewing parallel to the development of the overall corridor plan. We also have some infrastructure projects, as well as development/redevelopment projects, in the pipeline. The plan is going to showcase connectivity projects – both sidewalks and trails – to enhance what we've already built in that corridor. We have also received a grant from ARC for a freight study which will be kicked off by mid-year to help us identify the range of improvements needed to support the booming manufacturing, warehousing and distribution activities in the district.

We're also developing a true rollout of the Gateway85 re-branding. Part of this rollout of the new branding is telling the story of the different components that make up our CID and how they're contributing to the economy of Gwinnett County.

## TRACY RATHBONE:

The Town Center CID has 15 active projects in our 2018 work plan totaling more than \$53 million. Our top infrastructure priority is the South Barrett Reliever. Phase two of the \$43.5

million project will be completed in May and we are in progress with engineering and design of phase three. While a GDOT project, our district will be greatly impacted by the summer completion of the Northwest Corridor Express Lanes. This year, we will also conduct multiple studies for street and trail networks – all with connectivity and regional access as a top priority.

**MARSHA ANDERSON BOMAR**  
Executive Director, Gateway85  
(formerly Gwinnett Village Community Improvement District)  
County: Gwinnett  
Assumed Role: 2016





# WHAT WAS A MILESTONE PROJECT OR THE LARGEST ANNOUNCEMENT IN YOUR CID IN 2017?

**HANLON:** The Interstate 285 at Georgia 400 project (the CID contributed \$10 million to the GDOT project). That project is going to be a huge game changer for the whole state, and it's right here in our district.

**DAVIS:** We were able to get \$7.5 million in SPLOST funds committed to improvements for projects in our CID – that was a huge win for us as a brand-new CID.

**RIVERS:** Certainly the Braves successful opening of SunTrust Park and The Battery Atlanta was the biggest win. The planning and execution by the Braves, the CID, Cobb County and the state over the past four years resulted in a tremendous win for the community. It is truly the best example of why infrastructure planning and delivery is so important; it drives economic development and builds communities while enhancing commercial property values.

We also had other very notable successes. Governor Nathan Deal helped us cut the ribbon on a \$50 million improvement to Cobb Parkway and the bridge connecting Cobb and Fulton Counties. Lieutenant Governor Casey Cagle helped us cut the ribbon on another \$50 million improvement to Windy Hill, which included a Diverging Diamond Interchange over Interstate 75.

**BOMAR:** We completed our Indian Trail LCI, which has opened the door for a variety of new developments. That part of our district has virtually no public greenspace/trailhead, but it's a densely populated area. We're working with the county on creating a greenspace. It will also tie-in with a project that will go under construction in April 2018 – a safe routes-to-school trail project on Beaver Ruin Road. It's the first phase of a three-phase trail system that will connect downtown Norcross all the way through our district to downtown Lilburn.

Our CID area garnered approximately \$21 million in infrastructure projects from the 2017 Gwinnett County SPLOST, most of which the CID will be managing. We're going to be developing a robust sidewalk program in the Furniture Row corridor and also have funding for several bridge improvements in addition to road and intersection improvements.

**RATHBONE:** We broke ground and opened the first-of-its-kind Aviation Park, adjacent to the Cobb County International Airport. The park integrates aviation design with STEM (science, technology, engineering, mathematics) aspects

and adds public gathering greenspace. We also completed improvements and amenities at the Bells Ferry Trailhead, providing greater access to our seven-mile Noonday Creek Trail. ▶



**ALYSSA DAVIS**  
Executive Director,  
Sugarloaf  
Community  
Improvement  
District  
(Sugarloaf CID)  
County: Gwinnett  
Assumed Role: 2017



# HOW IS PLACEMAKING PROGRESSING IN YOUR CID?

**ANN HANLON**  
Executive Director, Perimeter  
Community Improvement  
Districts (Perimeter CIDs)  
Counties: DeKalb and Fulton  
Assumed Role: 2017 (previously  
led the North Fulton Community  
Improvement District)

**HANLON:** This CID was really one of the pioneers in creating a place where everything has a common look and feel in terms of the aesthetic of the district. I think we're going to continue to find more innovative ways to do that, through landscaping and signage. We want to make sure the district is clean, safe and well lit, but also foster a sense of community here.

**RATHBONE:** While infrastructure is key to growth and regional connectivity, it is greenspace, trails, pedestrian connectivity and gathering spots that promote a robust quality of life. We are proud to have the first CID-sponsored bike share program in the state. Zagster Town Center is one of the most successful Zagster programs in the country with more than 20,000 trips and 8,000 members in less than two years. We have multiple stations along our seven-mile Noonday Creek Trail and plan to open additional stations this year.

**RIVERS:** The Cumberland CID's master visioning effort, Blueprint Cumberland, was updated last year. Blueprint Cumberland 3.0 recommended a few placemaking efforts: first, an enhanced or elevated standard of design; second, animating the public realm – public art and so forth; and third, a connected network of greenspace. The CID intends to establish a 501(c)(3), a legally separate agency from the CID,

but a mechanism that would be the conduit for these placemaking activities.

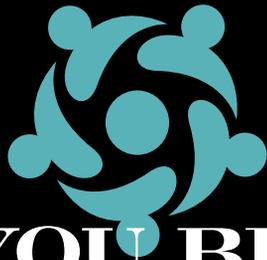
**BOMAR:** Unlike many other CIDs, we do not have a center, but rather a group of unique areas and corridors. We have a couple of projects in the pipeline that will help significantly advance placemaking in Gateway85. One of the most visible ones that you'll see, hopefully in 2018, is a one-mile stretch of Jimmy Carter Boulevard connecting Best Friend Road to Best Friend Park. Right now, this is a hill with a bunch of weeds, but we plan to turn it into a landscaped area with new seating area for the Gwinnett County Transit System. This ties in with a larger program of streetscaping along the corridor.

We're also working with a property owner with an older, traditional 1970s-style shopping center on Jimmy Carter Boulevard. There is a lot of opportunity to densify it and create what would be similar to a small town center for our district. We will be utilizing some innovative financing tools to make some of the components economically viable.

**DAVIS:** Since Sugarloaf CID was formed in 2016, placemaking is something we're just starting to address. Coming up with a placemaking vision is an important

part of the LCI plan process we're going through right now. There are a lot of people who have a major stake in the future of this area and have participated through our core teams, interviews or public meetings. It's first about determining the collaborative vision for what we want this area to become, and then we're going to develop the list of projects and initiatives that'll help get us there.





# AS YOU BEGIN 2018, AND MOVING FORWARD, WHAT IS YOUR VISION FOR THE CID?



**HANLON:** One of the reasons I was interested in this role is because I live in the community. I've lived in Dunwoody for 13 years. I think this is one of the most dynamic business districts in the country. It already has a lot of the assets that

most markets would love to have – MARTA stations and an interchange project just to name a few. So, I think the opportunity at Perimeter is huge and the future of Perimeter is going to be building on the transit that we have.

**RATHBONE:** Our \$1.3 billion in real estate assets, 5.7 million square feet of office and retail space, 99 percent occupancy rate, No. 1 ranking in hospitality demand in metro Atlanta, plus, our district assets, including an international airport, the third largest university in the state and a beautiful national park, places us in an enviable position that requires long-range planning.

We recently adopted a new master plan, envisioning more than 48 projects totaling \$165 million in new investments in the community over the next five to 15 years, so the future is bright.

**TRACY RATHBONE**  
Executive Director, Town  
Center Community Improvement  
District (Town Center CID)  
County: Cobb  
Assumed Role: 2015

**RIVERS:** The Braves accelerated a different type of community in Cobb. Whereas this commercial district has traditionally been drivable suburban, now it is becoming more compact and walkable urban given the intense development over the past three years. With more than \$6 billion in real estate assets, Cumberland is Cobb's economic engine, as well as the home of its performing arts center, Chattahoochee River Corridor and now Major League Baseball. The community is rapidly evolving into a different type of district and its stakeholders and policy makers need to keep pace with its needs in order to continue the momentum.

**BOMAR:** Whether you're coming to or leaving Gwinnett County, we are the gateway. We are the front door to the county, and we're the last thing you experience when you're leaving. It's kind of this hidden gem, but what we haven't had is that highly visible transformational change. I see 2018 as the time when that real transformational change is going to be revealed. Our image is going to be very different at the end of the year through a variety of investments and robust messaging.

**DAVIS:** Looking at the vision for the area, it's really for this to be Gwinnett's downtown. It's already a central hub for businesses, and then we also have the major regional draw here with the Infinite Energy Center. It's in the heart of our district. The goal is for the whole Sugarloaf area to become more dense, more walkable, more connected, more accessible. ▶



# WHAT ARE THE LARGEST CHALLENGES THAT YOU HAVE OVERCOME - OR CONTINUE TO FACE - AS A FEMALE LEADER?

**BOMAR:** Over the years, I've always encountered individuals, mostly men, but not exclusively, who struggle to take direction from a female. I'm pleased to say that I don't encounter as much of that as I used to come across. Part of it may be my white hair; I think over the years, I've earned my credibility. But I still encounter people who don't accept me or my vision and it's obvious that it's strictly based on my being a female.

One of the reasons I coach is to help both men and women with issues like this: sometimes men don't realize that they're reacting to women in this way and some women need coaching on how to constructively change that perception, change the dialogue and project the confidence that allows you to be accepted.

**RIVERS:** I have an exciting, yet challenging, career. I love aligning the technical, political and financial tracks in order to deliver improvements that make a difference in a community. Blending the people, the money and the politics to-

gether is a strategic puzzle. Having said that, I'm a single parent and when I get home, my kids just want me to be mom. I think as a female you are always "on" – balancing your career and your home life, and the days are long. You are the one who's got to keep things running. That's tiring and joyful and stressful and wonderful all at the same time.

As a professional, one of the best things that I've done is to build a network of similar professionals. In my case, female professionals – lawyers, lobbyists, urban planners, business executives – who provide a wonderful support system for me. If there's anything I would say to a younger woman early in her career is this: surround yourself with people who can provide you with a system that you can lean on, and you in turn, can be that person for them. It's been very valuable for me and I have gotten so much more out of it than I ever thought. You'd be surprised how many other professional women are also looking for that same type of dynamic.

**DAVIS:** When I was first starting out, working in the CID world (I started at the intern level and worked my way up), there were times when I would go to a meeting and I was the only female in the room, so men would assume I was there to get coffee or take notes. I think women often have to work harder to prove themselves and sometimes that feels more difficult. But, I would also add to that: starting out in my career, I worked at the Gwinnett Village CID – now Gateway85 – and for many years, I was the only female employee there. My boss, who was male, is the one who gave me the opportunity for growth, to lead me where I am today. Having great mentors is so important for any woman working in this field – and great mentors can be male or female.

**RATHBONE:** Fortunately, I have had the tremendous benefit of working for individuals who have invested in my development, provided me opportunity to grow my leadership skills and encouraged me to advance personally and professionally, regardless of my gender. While our engineering and governmental partners frequently have fewer females among their leadership ranks, I have found strong women leaders at all levels. I was raised by strong female role models and choose many tenacious, smart women among my mentors. As a result, I have never viewed my gender as an obstacle, rather taking great pride in the often pleasant surprise a strategic, collaborative, yet distinctively female approach, can bring to a stereotypically male work environment.

**HANLON:** I'm very active in WTS – Women's Transportation Seminar – Atlanta Chapter. I co-founded with my colleague Mary Sallach, with GRTA and SRTA, an

appointments committee to really try to grow the base of women who are getting put in leadership positions in the transportation industry around metro Atlanta. And this is something we talk a lot about. Women are natural problem solvers, and in transportation in metro Atlanta, the situations that we're dealing with are complicated. The issues that we're trying to solve with traffic, transit, economic development and rapid growth – women are a natural fit to deal with those circumstances because we're good decision makers and good problem solvers.

I don't think I would call it a challenge. I truly think it's an opportunity. I think for women in the field of engineering and transportation, and especially in Georgia today with such a rapidly growing economy – it's our time to shine.



**MALAIKA RIVERS**

Executive Director, Cumberland Community Improvement District (Cumberland CID)

County: Cobb

Assumed Role: 1996

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# BUILDING THE SMART ROAD

*One-of-a-Kind Testing Lab on Interstate 85  
Looks to Change Highways of the Future*

*By Heather Collins*

Every year, cars are getting smarter. But, these smart cars, armed with advanced electronics to increase gas mileage, decrease driver error and protect passengers, still drive on highways that have not drastically technologically changed in nearly a century. We have smart cars. Where are the smart roads?

It turns out the “smart road” of the future is being tested here in Georgia, on an 18-mile stretch of Interstate 85 near the Alabama/Georgia border called The Ray. The Ray is the first publicly accessible lab for new transportation technologies in the United States.

With a goal of “zero deaths, zero waste, zero carbon, zero impact,” The Ray enables transportation-related prototypes, like solar paneled roads and right-of-way alternative energy farming, to be tested in real life situations. It also gives the public a chance to use brand-new technology, says Allie Kelly, Executive Director of The Ray. “We want to help socialize and build awareness of – and even increase – the general public’s comfort level with these technologies,” she adds.

### A LIVING LEGACY

The Ray organization was founded in 2015 to honor the green initiatives and ecological ideology of the late Ray Anderson. Anderson was a pioneer in industrial environmentalism and championed sustainable business practices both at his own Atlanta-based carpet manufacturing company, Interface, Inc., and around the world.

To honor Anderson’s contributions to the industry and dedication to the environment, the state of Georgia renamed 18 miles of Interstate 85 near Interface, Inc.’s headquarters, the Ray C. Anderson Memorial Highway.

Anderson’s daughter and President of The Ray, Harriet Anderson Langford, says she was honored by the state’s gesture, but realized “we put green industrialist’s name on a dirty highway, and that was unacceptable.”

With the support of her family’s foundation – The Ray C. Anderson Foundation – Langford created The Ray,

a place where she said she could foster emerging transportation technologies that decrease the environmental impacts and increase both the safety and economic benefits of the highway system.

### NEW TECHNOLOGIES FOR SMARTER ROADS

Working with Innovia Technology, a global innovation consultant, Kelly says The Ray’s Board of Directors chooses projects that focus on increasing safety and leveraging land assets, as well as combining energy and transportation technology. The Ray’s current projects include a solar paneled roadway, a tire pressure and tread depth measuring drive-thru, a solar-powered electric car charging station and right-of-way solar farming.

#### Wattway

One of the ways to make a road smarter, Kelly says, is to consider how the travel lane can multi-task. With Wattway, a solar panel roadway innovation, freeway lanes that are not being used for travel are used to gather and convert solar energy to power traffic lights, electric vehicle charging stations or even homes and businesses.

According to Kelly, Wattway is a thin, photovoltaic cell enveloped in a patented protective material that is skid resistant and adhesive. “You don’t even have to redo the road,” Kelly says. The slim cells adhere directly to the existing roadway, negating the need for major construction.

After watching the cells in practice, Kelly and Langford were impressed with their strength. “Harriet and I have seen 18 wheelers drive over these cells on the Ray,” Kelly adds.

One kilometer of Wattway road can power a city of 5,000 people, according to Wattway’s parent company, SOLAS. Kelly says that the Ray’s 30-square-meter installation of the Wattway is the first installation of the product anywhere in the world outside of France and helps provide energy to the Georgia Visitor Information Center, located at Mile 1 on The Ray.

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### WheelRight

Langford says that a lot of people don't realize that improperly inflated tires and worn treads waste gas and can become a safety hazard. In fact, approximately 200 people die in tire-related crashes a year according to The National Highway Traffic Safety Administration. "We wanted to create public awareness of the safety issue," Langford says, so The Ray installed WheelRight.

According to Langford, WheelRight is a drive-over tire safety system and is the first public access station of its kind in the country. Located at the Georgia Visitor Information Center on The Ray, Langford said WheelRight automatically measures your tread depth and pressure in real time as you drive through a cadre of cameras and gauges. At the end of the drive-thru, a kiosk emails or prints a receipt with your tires' status.

The service is fast and free. "It measures all the tread on your tires in less time than it takes to get a burger at McDonald's," adds Kelly.

### EV Charging Station

Electric vehicle (EV) charging stations have been around for years, so this project doesn't always seem exciting, notes Kelly. However, she adds that, "by putting in one station at The Ray, we opened travel from Birmingham to Atlanta."

Most mid-price EVs are limited to about 100 miles of electric power per charge. The solar-powered charging station on The Ray adds a way-point for EVs to recharge, making the 147-mile trip between the two cities possible.

### ROW Solar Farming

One of the first areas that Langford says she wanted to address when starting The Ray was the approximately 250 acres of land adjacent to the Ray C. Anderson Memorial Highway. So often, Kelly says, these acres just sit in the expense column of state departments of transportation (DOTs); the land costs money to plant and maintain, but could do more than just buffer the freeway. "We believe there is revenue generation potential," Kelly says.

The Ray is working with Georgia Department of Transportation (GDOT) and Georgia Power to install a solar field in the right-of-way of Interstate 85. Georgia is only the third state in the country to greenlight a project like this and Kelly says the project is win-win-win for GDOT, Georgia Power and the environment. "More and more, DOTs are suffering from diminishing gas tax and congressional budget cuts. We are looking at how to diversify revenue streams for DOTs," she says.

Once Georgia Power builds the solar panels, Kelly says the company will take over the maintenance of the land, and therefore the cost, from GDOT. "At a minimum, GDOT can move the land from a loss to a neutral," she explains. This type of project could easily be replicated along freeways across the United States, generating clean energy and potential revenue from renewable energy credits, according to Kelly.

### WORKING TOWARD IMPLEMENTABLE CHANGE

"Anything we've learned about, we're always willing to share," Langford says about the technologies being tested at The Ray, and the many more to come. According to Kelly, the most important way to ensure The Ray's work is shareable is to move the projects through the appropriate government approval and permitting processes. "If you want something replicable, it has to have a permit," she says.

Receiving approval from GDOT and other state and local governmental departments makes these new technologies more likely to be approved elsewhere in the country. "We need a community of practice," Kelly adds. "It's the only way to have a national discussion about these technologies – and what we do is absolutely replicable anywhere." ▶





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**Q&A WITH  
ALLIE KELLY,  
EXECUTIVE DIRECTOR  
OF THE RAY, AND  
HARRIET ANDERSON  
LANGFORD,  
PRESIDENT  
OF THE RAY**

**WHAT WAS YOUR INITIAL GOAL FOR THE RAY?**

**HL:** We wanted to have a restorative, positive effect on the highway. We looked at safety issues and the existing land – about 250 acres – and wanted to maximize that asset. Then this whole new area of technology became apparent. We just weren't sure what we could accomplish.

**AK:** When we started, we were thinking only of this specific place and how we could improve it. Harriet and I Googled sustainable highway and there was nothing there... and we were shocked that there was nothing there!

**HOW HAS YOUR VISION EVOLVED?**

**AK:** We worked with the Georgia Institute for Technology for a full year and they delivered a baseline transportation study. For the first time, we realized what we do on The Ray could be scaled to have a much broader impact; hundreds of thousands of miles could change for the better across the country.

**HL:** We find technologies that are emerging that can be tested in real life and we look at the holistic opportunities. There are a lot of steps involved working with GDOT, as well as local and state governments, but that hasn't stopped the movement.



Allie Kelly



Harriet Anderson Langford

**WHAT DO YOU FOCUS ON WHEN CONSIDERING NEW PROJECTS?**

**HL:** We are always looking for new technologies that will add benefits and value to our highways.

**AK:** We do our own due diligence. We go overseas to see the technology and have a one-on-one experience with the scientists and products. Our partner, Innovia Technology, provides a global view. There is new technology coming out all the time.

**WHAT TRANSPORTATION ISSUES ARE IMPORTANT IN THE NEAR FUTURE?**

**AK:** The infrastructure/EV charging gap needs to be addressed. Smart cars, by-and-large, are electric and when people begin to adopt them for safety reasons, the infrastructure we have will be incomplete.

**HL:** If you make a road smart, you can save lives, but there is an ecological effort going on, too. We're working to improve safety, aesthetic and the environment of transportation.

**WHICH PROJECT ON THE RAY HAS MADE THE BIGGEST IMPACT SO FAR?**

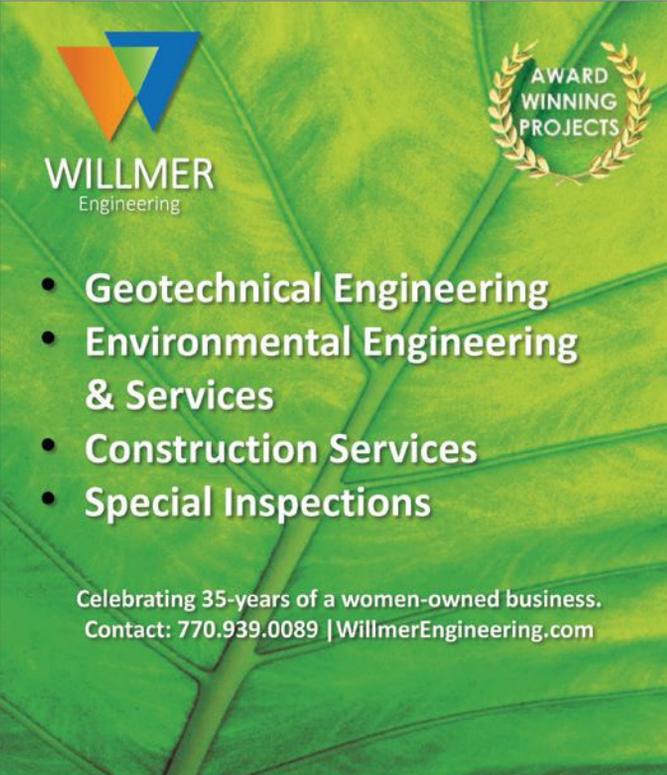
**AK:** All of them are so inspirational and break-through, it's impossible to pick just one. The best gift The Ray can give to the world is technologies. They can be implemented anywhere; they are replicable all over the world.

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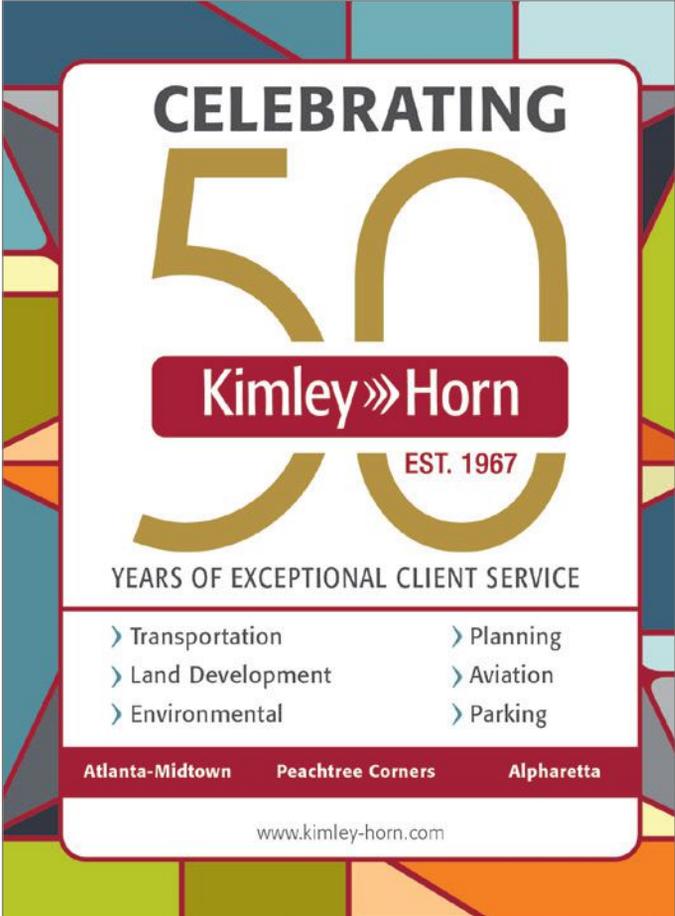
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## WHAT IS THE ACEC GEORGIA PAC LEADERSHIP CIRCLE?

The ACEC National Political Action Committee (PAC) is the engineering industry's most powerful tool for supporting federal candidates who promote a pro-business legislative agenda. ACEC Georgia's PAC Leadership Circle represents the leading engineering firms in Georgia – firms that have set the standard professionally by contributing at least \$1,000 per year in combined individual contributions to the ACEC National PAC.

## 2017 PAC LEADERSHIP CIRCLE CONTRIBUTORS: THE LEADING ENGINEERING COMPANIES IN GEORGIA

### PLATINUM CIRCLE (\$7,500+)

#### WOLVERTON

Jeffrey Adams  
Tom Cetti  
Jason Dickerson  
Justin Harbeson  
Hunter Hyde  
Rob Jacquette  
Joseph Macrina  
Carolina Pria  
Brad Robinson  
Bobby Shayan  
Diwan Singla  
Angela Snyder  
Daniel Taylor  
Ashley Wolverton  
Jay Wolverton

### GOLD CIRCLE (\$3,000+)

#### CLARK PATTERSON LEE

Richard Edinger  
Adolfo Guzman  
Mark Hanson  
Kevin McOmber

#### NOVA

Randall Bagwell  
Will Cantrell  
Jason Hill  
Ken Houseman  
Thomas Hruby  
Robert Hughes  
Marc Johnston  
David Miller  
Barry Roziewski  
Anthony Taylor  
J. Stephen Willenborg

#### POND

John Cassidy  
James Davis  
Bryan Evans  
Richard Fangmann  
Chris Farnie  
Bahaa Ghuneim  
Lorraine Green  
Rodney Hoke  
Sasan Hosein  
Chris Jenkins  
Mark Levine  
Pamela Little

Mike Magahey  
Shaugh McReynolds  
Jeff Meier  
Aimee Miners  
Ron Osterloh  
Tony Parker  
Kevin Skinner  
Bill Sloan  
Theron Stancil  
Kenneth Ussery  
Bob Williams

### SILVER CIRCLE (\$2,000+)

**GREYLING INSURANCE  
BROKERAGE & RISK  
CONSULTING, A  
DIVISION OF EPIC**  
Gregg Bundschuh  
David Collings

#### HEATH & LINEBACK ENGINEERS, INC.

Warren Dimsdale  
Shawn Fleet  
John Heath  
W. Allen Krivsky  
Gary Lineback  
Phillip Ravotti  
Masood Shabazaz  
Stefka Vacheva

#### PES STRUCTURAL ENGINEERS

Michael Planer

#### THOMAS & HUTTON

Charles Ezelle  
Samuel McCachern

#### UNITED CONSULTING

Reza Abree

#### VHB

Thomas Crochet  
Todd Hill  
Laury Hodges  
Erin Murphy  
Grady Smith

### BRONZE CIRCLE (\$1,000+)

**COLUMBIA  
ENGINEERING &  
SERVICES, INC.**

Paul Cook

#### EDWARDS-PITMAN ENVIRONMENTAL, INC.

Russ Danser  
Josh Earhart  
Linda Edwards  
William Hicks  
Susan Thomas

#### HNTB

Robert Lewis

#### HOFSTADTER AND ASSOCIATES, INC.

Carl Hofstadter

#### KECK & WOOD, INC.

Keith Costley  
Richard Gurney  
Michael Moffitt  
Robert Renwick  
Edgar Williams

#### KIMLEY-HORN

Emily Meador  
Emmy Montanye  
Cole Webb  
Deborah Wilson

#### LONG ENGINEERING, INC.

J. Ellen Long

#### NEEL-SCHAFFER, INC.

Keith Franklin  
Eniel Gonzalez  
Mark Jones  
David MacLean  
Justin Woods  
David Wright

#### ROCHESTER & ASSOCIATES, INC.

Darrell Rochester

#### W. R. TOOLE ENGINEERS, INC.

William "Rick" Toole

#### WILLMER ENGINEERING INC.

Doris Willmer

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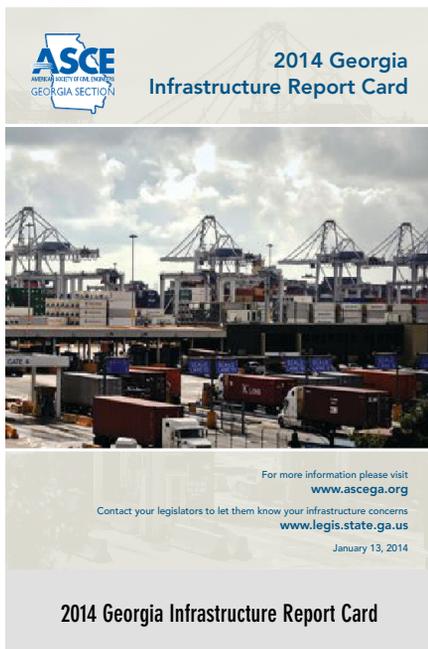


**DAN AGRAMONTE, P.E., F.ASCE**

O'Brien & Gere (OBG)  
 ASCE Georgia President  
 Daniel.Agramonte@obg.com  
 www.ascega.org

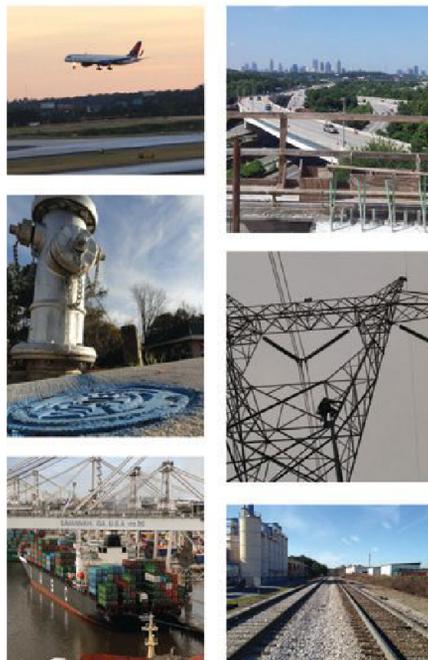
**INFRASTRUCTURE UPDATE**

As we start 2018, we can probably all agree that 2017 was quite a ride! It was a year that brought us a lot of change, many challenges and an increasingly stronger economy. For news junkies like myself, we were bombarded all year with talk of healthcare, taxes and infrastructure. Professionally, this last item certainly hits close to home.



Talk about infrastructure reminds us that it is time to once again begin working on a new Georgia Infrastructure Report Card. This effort includes an evaluation of some of the most highly visible aspects of our profession – items that touch the lives of all Georgians and serve as the interface between our profession and citizens. The Georgia Infrastructure Report Card is a valuable public service, undertaken by the American Society of Civil Engineers (ASCE) Georgia Section every five years, and provides an objective evaluation of the state’s infrastructure. In 2014, the Report Card looked at the following aspects of Georgia’s infrastructure:

- **Aviation**
- **Bridges**
- **Dams**
- **Drinking Water**
- **Energy**
- **Parks and Recreation**
- **Ports**
- **Rail**
- **Roads**
- **School Facilities**
- **Solid Waste**
- **Stormwater**
- **Transit**
- **Wastewater**



Infrastructure impacts all Georgians

Since these items touch every one of our lives, their evaluation must be undertaken conscientiously. To do this, ASCE Georgia selects a team of experts in each aspect. This process takes almost a year and includes an external advisory board review. The results of the assessment are “normalized” into a letter grade in the familiar A to F format.

Do we make a difference? While we can’t take full credit for legislation that was passed in 2015 (House Bill 170 – The Transportation Funding Act of 2015), the Georgia Section of ASCE certainly believes that our 2014 Infrastructure Report Card played a role in drawing attention to the state’s roads and bridges. The data provided in the 2014 Report Card, which gave Roads and Bridges each a grade of “C-” helped to cast a light on this issue. It is also plausible that the “D-” grade received by Dams also helped make the case for more inspectors, and we believe the Report Card successfully highlighted issues that led to additional funding for improvements at the Port of Savannah.

Aviation	B+	↔
Bridges	C-	↔
Dams	D-	↓
Drinking Water	C+	↔
Energy	B	↑
Parks and Recreation	D+	↑
Ports	C+	NEW
Rail	B	NEW
Roads	C-	↑
School Facilities	C+	↔
Solid Waste	C+	↑
Stormwater	D+	↔
Transit	D-	↓
Wastewater	C	↔
<b>Georgia’s Cumulative GPA</b>	<b>C</b>	<b>↔</b>

Snapshot of the 2014 Georgia Infrastructure Report Card grades

You may be contacted to participate in one of the Report Card committees. If you are, we ask that you consider helping us with this tremendous effort. We once again look forward to the results and we remain grateful for all the engineers who volunteer their time to help us put the Georgia Infrastructure Report Card together. We expect to release the next Report Card in early 2019.

# 2017 ASHE HOLIDAY PARTY

It was another full house at ASHE Georgia's annual holiday party in December! Food, drinks and fun were had by all, and a table of toys were donated to Toys for Tots.



**ROB DELL-ROSS, P.E.**  
City of Roswell  
ASHE Georgia President  
Rdellross@roswellgov.com  
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## ASHE MEMBER SPOTLIGHT: **MINDY SANDERS** Project Manager, Pont Engineering

### **How long have you been in the transportation industry in Georgia?**

I have been in the transportation industry in Georgia since 1999.

### **Where are you currently employed and what do you do?**

I have recently become a Project Manager for Pont Engineering as part of the program management team for the Georgia Department of Transportation's Office of Bridge Design.

### **When and how did you first get involved with ASHE Georgia?**

I have been a member of ASHE Georgia since 2001 after attending a monthly meeting with my co-workers.

### **What positions have you held within the ASHE Georgia organization?**

Soon after joining the organization I began volunteering with ASHE's social events. I have since served as the chapter's Website Chair, its Secretary, and am currently the 1st Vice President.

### **What's your favorite ASHE activity?**

My favorite ASHE activity is the Annual Poker Tournament, of course. Shuffle up and deal.

### **What involvement have you had with ASHE National?**

I am beginning my third year as the Technology Committee Chair. My responsibilities include managing technical aspects of ASHE that help the sections communicate with and support one another, as well as their memberships. This includes management of the ASHE National website and the ASHE Cloud. I also provide recommendations for other initiatives, such as the membership database, online surveys and telecom services.

### **What's the number one reason folks should join ASHE?**

The number one reason to join ASHE is definitely the networking opportunities. Through its technical programs and social activities, ASHE provides a fun environment to make connections with other engineers and transportation professionals.

### **What else do you do when you aren't working or volunteering for ASHE?**

In my spare time, I relish time with my family, listening to live music, traveling, the outdoors and just about any creative outlet you can name.

### **Tell us one fun fact about yourself.**

I carve a pumpkin in my son's likeness each year for Halloween. It's both fun and creepy.





**JOHN BONEBERG, P.E.**

O'Brien & Gere (OBG)  
GEF President

John.Boneberg@obg.com  
www.GEFinc.org

**2017 GEORGIA ENGINEERING FOUNDATION BANQUET RECAP**

Georgia Engineering Foundation (GEF) President, John Boneberg, opened the 2017 GEF Banquet on November 16, 2017 at the Dunwoody Country Club, followed by a reception for scholarship winners, their parents and guests, along with scholarship donors and presenters.

Prior to the banquet, Boneberg recognized all the parents, family, spouses and guests. He gave a brief history of GEF and explained how the various annual and endowment scholarships have been created over the last 45 years by donors to GEF, as well as thanked all the donors and presenters in attendance.

Special recognition was given to one GEF volunteer who has been presenting a scholarship for more than 45 years. Boneberg also recognized the return of A/E firm Pond as a scholarship sponsor. In addition, he

explained some new changes to the evening that were made to expediate the proceeding without lessening the recognition of the Scholarship winners' accomplishments. Finally, he introduced GEF Banquet volunteers Beth Harris and Anita Atkinson, who explained the logistics of the awards as dinner ended.

While each of the scholarship winners have exceptional academic credentials, most have very diverse interests. A few fun facts about some of the scholarship winners include:

- *One student was adopted from China after her birth family and home were destroyed by the construction of a large dam. She considers herself lucky to have an American life!*
- *One student comes from a family with strong military history: the grandfather and three uncles all were Generals in the U.S. Army.*
- *One student traveled to Vietnam for six weeks to teach English.*
- *One student studied abroad and worked in a terraced rice farm in Southern China.*
- *One student designed an electric skateboard capable of 26 miles per hour!*
- *One student sings bass in the Georgia Tech Chorale and is currently learning a song in French.*

Want to get involved with helping these students receive scholarships to pursue a degree in engineering? Visit [www.gefinc.org](http://www.gefinc.org) to join GEF as a volunteer and attend our next meeting.



**RECOGNITION OF AN OUTSTANDING GEF VOLUNTEER: JULIE SECRIST, P.E.**

Julie is just one of the many volunteers that keep GEF functioning year after year. In 2017, Julie took over as the GEF Scholarship Awards Chairman. She was responsible for assisting with the development and implementation of a new web site software application for students to use in submitting applications. This updated and improved electronic application process was designed to make it easier for students to submit their initial applications, and then to resubmit annually. It also provided much needed data management programs to help evaluate and validate applications. Under Julie's leadership and the implementation of this new electronic application process, the number of submitted applications counted more than 460 – double the previous year.

Of course, this increased Julie's work load, as well as the number of volunteers needed for interviews; but Julie made it all happen. A total of 140 face-to-face interviews were conducted with applicants to select and award 45 scholarships totaling \$84,000.00.



Jeff Amason with Cohen Amason Law Firm, LLC presents Kathryn Youngblood with a scholarship during the annual banquet.

**“ I FIND GEF BOARD MEMBERSHIP SO REWARDING BECAUSE I GET THE OPPORTUNITY TO WORK WITH MANY GREAT LEADERS TO IDENTIFY AND ENCOURAGE GEORGIA'S MOST PROMISING FUTURE ENGINEERS.**

**-JULIE SECRIST, P.E.**

**STEVE STRONG, P.E.**

Televest USA  
GSPE President  
s.strong@ieee.org  
www.gspe.org

*Betty Jean Jordan, P.E., MS4CECI  
Executive Director, GSPE*

When I was little, I loved playing with my blocks and Legos. I would secure one end of my Hot Wheels track in the bench of my family's electric organ, making a huge hill down to the floor. Then I built bridges for the track to run through. What a thrill to see my Hot Wheels cars zoom through the course I created!

My father often said, "You should go to Georgia Tech and be a Civil Engineer." I never guessed that's exactly what I would do! My father is a Georgia Tech graduate himself and a now-retired industrial engineer. He could discern early on what my interests and abilities were, always encouraging me in those directions. He supported my older sister in similar ways; she went to Agnes Scott College and majored in French, just as our father recommended. He valued our uniqueness.

I also attended excellent public schools that gave me a solid foundation in all subjects, particularly STEM (science, technology, engineering, mathematics). Because of this incredibly supportive educational environment, I always believed I could do anything I put my mind to. Maybe that's why it has rather surprised me when I have experienced sexism a few times over the years. I've done my best to call it out when it happened, but in general, I've simply focused on doing good work and having a positive attitude. I recognize that I've had many advantages that give me this confidence. Not everyone is so fortunate. Therefore, I also have the responsibility to speak out when I see others being treated unjustly. We all have this responsibility.

All engineers – and all people – want their work to be appreciated. While efforts should be evaluated on their own merits, we also must respect the unique perspectives that a person brings because of his or her gender, race, nationality, religion, sexual orientation, or any other way we group ourselves.

It would be simpler if we could solve the world's problems with spreadsheets and algorithms, but we are human. We need each other and the tools that each of us can bring to the table. Let's listen to each other and work together for all our benefit.



**GSPE SPOTLIGHT:  
LAURA BUCHANAN, P.E.**

*Laura is the Northwest Georgia Chapter Director on the GSPE state board, and also serves as the Northwest Georgia Chapter MATHCOUNTS Coordinator.*

**Q: How did you become interested in engineering, and what led you to your current position?**

**A:** I have a genuine curiosity about how things work and a desire to learn about many different subjects. As a child, I would hold a flashlight for my dad and ask endless questions while he was working on automobiles. I enjoyed and excelled in math and science classes in school. Obtaining a degree in engineering was a logical way to use my skills and satisfy my interests. I first considered aerospace engineering and wanted to work for NASA, but my practical mind worried about the cyclical job market and the influence of politics on program funding. I chose mechanical engineering because the coursework covered a broad range of topics and would allow me to pursue a career in many different areas. During my senior year at the University of Tennessee, Knoxville, I learned about Southern Company and several other engineering firms at a career fair. After a few interviews, I accepted a position with Alabama Power Company, a subsidiary of Southern Company, in Birmingham, Alabama. Six years later, I transferred to Georgia Power Company, also owned by Southern Company, and have worked for them in Rome, Georgia, for almost thirteen years.

**Q: What has been the most interesting or challenging technical issue you have faced in your career?**

**A:** The most challenging part of my current position is that I am heavily involved in electrical engineering theory and design. I joke with my friends that I am a mechanical engineer who plays an electrical engineer at work. The truth is that engineering principles build a solid foundation that can be applied to a variety of disciplines and career paths. Mechanical engineering is comprised of elements with strong analogies to electrical engineering and vice versa. My coworkers talk in impedance and phasors, while I think more naturally in motion and vectors. Even though we may use different terms, the concepts are the same and we can very quickly translate between electrical and mechanical languages.

**Q: What have you enjoyed most about your engineering career?**

**A:** As a Protection and Control Senior Test Engineer, I commission, test, maintain and troubleshoot electrical substation equipment, protective relays, and controls. I am a first responder for substation issues, which sometimes involves isolating or repairing a problem and restoring power to customers. I enjoy working in the field on short term projects. Field engineering tasks allow me to see the finished product and troubleshoot when things don't work as designed. I remember stories from my dad and husband about receiving design prints that looked great on paper but would never work in the "real world." I never wanted to be an engineer that produced a design in the office that didn't function correctly in the field. A well-rounded engineer understands theory and design and can maintain, diagnose, and repair equipment during its lifetime. Quality engineering design factors in the ease and success of future maintenance.

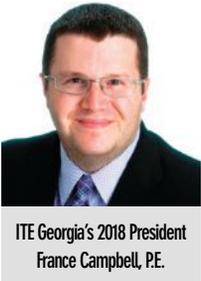
**Q: What are your favorite activities outside of work?**

**A:** In addition to being an avid reader, I love to travel and be outdoors. My thirst for knowledge and understanding cultures encourages me to read books about places before visiting them. After meeting people in many different states and countries, I have learned that people have more similarities than differences. I have met kind, interesting, and friendly people all over the world. I view diversity as finding common ground and valuing others no matter where they live, what they look like, or what language they speak. In general, most people have similar goals to better themselves, spend time with their friends and family, and positively contribute to the world they live in. Traveling lets me experience the world through another person's eyes and realize we are all very much the same.



**FRANCE CAMPBELL, P.E.**

City of Sandy Springs | AECOM  
 ITE Georgia President  
 FCampbell@SandySpringsga.gov  
 www.gaite.org



**MESSAGE FROM  
 GEORGIA ITE'S  
 PRESIDENT,  
 FRANCE CAMPBELL**

Happy New Year fellow Georgia engineers! I am honored to serve as the President of the Georgia Section

of the Institute of Transportation Engineers (ITE) for 2018 and I'm excited about all of the events and activities we have planned for this year. I have been involved with ITE for nearly 15 years and I have always been impressed with how my career and personal life have benefited from my involvement in the organization. With the focus of this issue being on "Women in Engineering," we are excited to welcome two women – Kate D'Ambrosio Shearin with the Georgia Department of Transportation (GDOT) and Tracy Shandor with Kimley-Horn – to the ITE Board.

**DECEMBER ANNUAL MEETING AND AWARDS BANQUET RECAP**

We celebrated our Annual Meeting and Awards Banquet in December 2017 at the Buckhead Maggiano's. There was a full house of 120 members who gathered to look back at the success our section had in 2017, as well as recognize our colleagues' accomplishments. Scott Higley, Director of Communications for GDOT, was the Keynote Speaker; he discussed the communication plan for the Interstate 85 bridge collapse and how GDOT communications are evolving.

In addition, the 2018 Board members were sworn in during the meeting and the



2018 ITE Georgia Board: Alvin James with Kimley-Horn (Affiliate Director), Scott Mohler with AECOM (District Representative to the Southern District), Tracy Shandor with Kimley-Horn (District Representative to the Southern District), Paul Slone with WSP, USA (District Representative to the Southern District), Kate D'Ambrosio Shearin with the Georgia Department of Transportation (Secretary/Treasurer), Jody Peace with Arcadis (Vice President), France Campbell with City of Sandy Springs | AECOM (President) and Marco Friend with Jacobs (Immediate Past-President).

Chapter used the time as an opportunity to present awards and scholarships to deserving members. There were seven scholarships awarded this year totaling \$20,000.00! Award recipients included:

- **Marsba Anderson Bomar** – *Transportation Professional of the Year Winner*
- **Georgia Department of Transportation** – *Georgia Section Agency Award Winner*
- **Paul Slone** – *John D. Edwards, Jr. Individual Achievement Award Winner*
- **Scott Mohler** – *Karl Bevins Distinguished Service Award Winner*
- **Chris Maddox** – *Marsba Anderson Bomar Outstanding Young Member Award*
- **Atlanta BeltLine, Inc.** – *Georgia Section Innovation in Transportation Award*
- **Alan Davis** – *Georgia Section Idea Sharing Award*
- **Jtm Pohlman** – *Georgia Section Award of Special Recognition*
- **Abhilasha Saroj**, *Georgia Institute of Technology (Georgia Tech)* – *John D. Edwards Memorial Scholarship*
- **2017 Student Scholarship recipients** – *Javon Jones, Georgia Southern University (GSU); Tu Nguyen, Georgia Institute of Technology (Georgia Tech); Brandon Thomas, Kennesaw State University; Lauren Gardner, Georgia Tech; Yuanbo Wang, Georgia Tech; and William Wollery, Georgia Tech*

**GOALS FOR 2018**

- **Collaborate:** Work more closely with complimentary professional organizations, such as ASHE, GPA, ITS Georgia, WTS, YPT, etc.

- **Grow the Transportation Engineer Talent Pool Statewide:** One of the largest challenges we face in our industry in Georgia currently is a lack of transportation engineers. A focus on collaboration with other professional organizations, neighboring states, the Southern District ITE and International ITE will help promote our industry in Georgia.
- **Invest in our Membership:** Invest financially back into our membership in a manner that encourages development, growth, involvement and retention.
- **Provide Diverse Professional Training:** To ensure our membership is well-rounded, we should increase our focus on providing training on soft skills (communications, etiquette, etc.) and leadership skills.
- **Listen:** Seek input from former Chapter Past Presidents and members on areas where they would like to see change.

**UPCOMING EVENTS**

Mark your calendars for the ASHE/GAITE Winter Workshop in Brasstown Valley Resort and Spa in Young Harris, Ga. from March 4-5, 2018! Get engaged while learning in a hands-on workshop environment.

Also, join us for upcoming Monthly Meetings (typically the second Thursday of the month) and social activities. Learn more by visiting [www.gaite.org](http://www.gaite.org).

Thanks again to all of our ITE volunteers and please let me know if you would like to be more involved in 2018!





**JENNY JOHNSON, P.E., PTOE, IMSA TS II**

Kimley-Horn  
 ITS Georgia President  
 itsgachapter@gmail.com  
 www.itsga.org



**MESSAGE FROM ITS GEORGIA  
 PRESIDENT, JENNY JOHNSON**

I want to thank the members of ITS Georgia for electing me to serve as President for the next two years. ITS Georgia is a great organization with a tremendous legacy of leadership in the field. Working with the Board of Directors and membership, I hope to build, and expand, upon the traditions of our award-winning chapter to make it as dynamic and exciting as our industry is today.

Without a doubt, this is an exciting time to be in the transportation industry, with major innovations in intelligent transportation technology and solutions coming almost daily. Georgia, and its cities and counties, have been leaders in ITS development and deployment for more than 20 years with ITS Georgia providing the support to keep us at the forefront.

As a “young” President myself, my goal is to facilitate purposeful communication and focused coordination between our experienced members and our newest members. I hope to attract and grow a younger generation of ITS leaders within our organization through direction and inspiration.

My vision is to provide an avenue that fosters collaboration with all stakeholders of the ITS community – private corporations, public agencies and academic institutions. This type of collaboration is essential in the advancement of research, development and deployment of ITS technologies. I also serve as the Advisory Board Chair for the U.S. Department of Transportation Center for Connected Multimodal Mobility. These types of partnerships are critical in turning ITS research into real-life projects and solutions.

Regarding ITS, we hear a lot about connected/autonomous vehicles. As an avid cyclist, my passions lie in making the roads safer and more efficient for *all* users. My goal is to bring to light other areas where ITS can be used – bicyclists and pedestrians, transit (bus and train), railroad, etc. It would be awesome to broaden the vision of ITS research, developments and deployments to those not just related to the automotive vehicle.

Congratulations are also in order to Winter Horbal of Temple as Vice President, Marc Start of AECOM as Secretary and Xuewen Le of Atkins rejoining as our Treasurer. Joining them for two-year terms on the Board of Directors are: Bill Andrews, City of Sandy Springs; Mark Demidovich, GDOT; Kenn Fink, Kimley-Horn; Matt Glasser, GDOT; and Dee Taylor, AECOM.

# ITS GEORGIA 2018 LEADERSHIP

***President***

Jenny Johnson, Kimley-Horn

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***Vice President***

Winter Horbal, Temple

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***Secretary***

Marc Start, AECOM

---

***Treasurer***

Xuewen Le, Atkins

---

***Immediate Past President***

Mike Holt, WSP

---

***Directors***

Bill Andrews, City of Sandy Springs  
 Mark Demidovich, Georgia DOT  
 Matt Glasser, Georgia DOT  
 Alvin James, Kimley-Horn  
 Kenn Fink, Kimley-Horn  
 Keary Lord, Atkins  
 Whitney Nottage, Intelight  
 Billy Stalcup, 360ns  
 Dee Taylor, AECOM  
 Tom Udell, CH2M | Jacobs

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***State Chapters Representative***

Jim Tolson, Arcadis

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***Ex Officio***

Greg Morris, Federal Highway Administration



**MATT HAUPT, P.E., CPP BSCP**  
ATKINS  
SAME Atlanta Post President  
Matthew.Haupt@atkinsglobal.com  
www.sameatlantapost.org

## UPCOMING EVENTS

SAME Atlanta Post is looking forward to a great year in 2018! We are planning luncheon events at the Dunwoody Country Club on **TUESDAY, FEBRUARY 13, AND TUESDAY, MARCH 13, 2018.**

We would be happy to have you join us!

In addition, the Atlanta Post is holding its annual Golf Tournament in April at the Cobblestone Golf Course in Acworth, Ga. Funds raised will be used to support SAME Atlanta Post operations, including charitable donations. The Post donates money to charitable associations serving our veterans each year. Please contact Howard Ayers at [hayers324@gmail.com](mailto:hayers324@gmail.com) for additional information on how you can participate in or sponsor the tournament.

# SAME ATLANTA POST SPOTLIGHT ON WOMEN

*The SAME Atlanta Post is proud to support women in the field of engineering. We have made strides to ensure that we are sponsoring women to attend SAME National and Regional conferences, as well as Post Leadership conferences each year. Our Board of Directors includes seven women, including three registered professional engineers.*



**Pamela Little, P.E.** is a Past President of the Post, current chair of the GEA committee for the Post and a Senior Project Manager at Pond. Pamela won the Tudor Medal in 2014 – a national SAME Award given to a civilian young member for engineering leadership. Pamela also won a national Commercial Real Estate Women (CREW) Impact Award in 2014 for Career Advancement for Women.

**Kellie Sak, P.E.** is currently the 2nd Vice President of the Post and is an Associate Project Manager/Engineer at AMEC Foster Wheeler.

**Amita Kotwani, P.E.** is currently the Assistant Secretary of the Atlanta Post and President of Vintek Consulting Group, LLC.

Additionally, two women serve on our current Board of Directors as James Lucas Emeritus Chairs in Post leadership: **Scotti Bozeman, P.E.** and **Jane Penny, P.E.** Both serve in this position, which are lifetime appointments.



**Cindy Miller, P.E.** is a Project Manager in the Government Facilities and Infrastructure Business Group for CH2M, as well as a graduate of the U.S. Naval Academy. She is both the Regional Vice President for the South Atlantic Division of SAME National and the 1st Vice President of the Post in the 2016-2017 year. She is expected to be installed as Post President for 2017-2018.

We are lucky to have the contributions of other longtime members: Past Post President, **Beth Harris, FSMPS, CPSM** with United Consulting, **Claudia Penny** with HCR Construction and **Sherri Smith, CPSM** with GHD, on the Board as well. **Gwen Parker** with the Parker Connection serves as our Small Business Chair.



### **WILBUR C. BRAGG II, P.E.**

McVeigh & Mangum Engineering, Inc.  
SEAOG President  
wbragg@mcveighmangum.com  
www.seaog.org

Three people are contributing to this edition of the SEAOG news. First, the Chair of the Savannah Chapter will start with a description of the group's activities. (Previous editions of this page discussed SEAOG, obviously, but concentrated on the Atlanta Chapter). Following will be the Chair of the Young Member Group (YMG), which is one of the top five YMG chapters in the National Council of Structural Engineers Associations (NCSEA), SEAOG's parent organization. This edition will close with personal experiences from two volunteers for the Structural Engineering Emergency Response (SEER) Program.

### **SEAOG'S SAVANNAH CHAPTER:**

#### **BRIAN K. SAPP, P.E.** **THARPE ENGINEERING GROUP** *Chair, Savannah Chapter*

The Savannah Chapter of SEAOG meets six times a year to provide technical learning opportunities in structural engineering to those located across coastal Georgia. Attended by a diverse group of approximately 20 people, the meetings cover a broad array of professional topics for multiple occupations including government code officials, special inspectors, geotechnical engineers, civil engineers and structural engineers in industrial, marine, bridge and building sectors.

The bimonthly presentations highlight local issues, such as historic structures and the soil conditions of coastal Georgia, for which learning and collaboration opportunities are limited. Recent meeting topics have included: Techniques for Anchoring into Unreinforced Brick Masonry; Use of 3D Scanning in Structural Engineering; Considerations for Driven Prestressed Piles in Coastal Georgia; and FRP Retrofit Column Jackets in Concrete Building Frames. Upcoming presentation topics include: Flood and Coastal Design, as well as Special Inspection Highlights for Structural Engineers.



SEAOG Younger Member Group toured the renovation progress at Phillips Arena.

### **YOUNG MEMBER GROUP:**

#### **BRIAN E. ADORNO, JR., P.E., S.E.** **UZUN+CASE, LLC**

*Chair, Young Member Group*

The Structural Engineering Association of Georgia Young Member Group (YMG) is a community of structural engineers who focus on the social aspect of the profession through organized events and networking. Through these events, engineers from across the state have the opportunity to meet with like-minded professionals, which promotes casual and engaging discussion in an environment different than day-to-day office life. Most recently, these opportunities have included a tour of the Philips Arena renovation, trivia night with ASCE, a happy hour with AIA and a viewing party overlooking the Georgia Dome implosion.

In the new year, YMG will be continuing their involvement with volunteer groups throughout the state and will be hosting a panel of recently licensed professional engineers for a roundtable dialogue with those preparing to take the 16-hour Structural Engineering exam. A happy hour or two will surely be in the mix as well.

While the Young Member Group is geared towards those engineers in the early stages of their careers, all are welcome – especially those willing to share and discuss their own personal insights, horror stories and terrible jokes. This community of those willing to share experiences, either first-hand or over

a drink, gives engineers the opportunity to strengthen and grow in their own careers, as well as with their peers, thus providing the profession of structural engineering with a promising class of engineers that will lead the profession to a prominent future.

### **HURRICAN RELIEF UPDATE:**

#### **GRAHAM BRASIC, P.E., PES** **STRUCTURAL ENGINEERS**

#### **JOHN O'BRIEN, P.E., S.E., PES** **STRUCTURAL ENGINEERS**

On September 10, 2017, Hurricane Irma made landfall at Cudjoe Key, Fla. as a Category 4 hurricane with sustained winds of 130 miles per hour and a 10-foot storm surge. The storm made a second landfall the same day at Marco Island, Fla. as a Category 3 hurricane with a seven-foot storm surge. The flooding and winds associated with the storm caused extensive damage throughout Southwest Florida and the Florida Keys.

Following the hurricane, Graham Brasic, P.E., and John O'Brien, P.E., S.E., both from PES Structural Engineers, volunteered for a four-day deployment through the NCSEA SEER program at the request of the local building departments impacted by the storm. Both worked with local employees and other volunteers to conduct rapid safety assessments of damaged commercial and residential structures using the ATC-45 procedures. Collectively, the teams evaluated hundreds of structures during the deployment, helping the local jurisdictions and residents move towards recovery.

### **EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS**

SEAOG is in the beginning its plans for its biennial Excellence in Structural Engineering (ESE) Awards to be held this spring. The ESE Awards, held during even-numbered years, recognizes structural engineers in the state of Georgia who demonstrate a high caliber of creativity, dedication, innovation and ingenuity in the work that they perform. Awards are given to projects in several categories and to an individual(s). Please visit the SEAOG website – [www.seaog.org](http://www.seaog.org) – for details.



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Mary Jo Butcher – PES Structural Engineers / Karen Chin – Stantec

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Contact us at [www.smps-serc.org](http://www.smps-serc.org) or Conference Co-Chairs: Michelle Erste ([michelle.erste@wolvertoninc.com](mailto:michelle.erste@wolvertoninc.com)) and Emily Cannon ([ECannon@BrasfieldGorrie.com](mailto:ECannon@BrasfieldGorrie.com)) for registration or sponsorship information!



*Advancing Women in Transportation*  
Atlanta Chapter

**MALIKA REED WILKINS, PH.D.**

Atlanta Regional Commission  
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*And the list goes on!*

# WOMEN IN ENGINEERING

## DID YOU KNOW THAT APPROXIMATELY 50 PERCENT OF WTS ATLANTA'S MEMBERSHIP ARE ENGINEERS?

We are proud to be the support system and professional development outlet for women engineers in the metro Atlanta area.

We salute ACEC for its inaugural "Women in Engineering" issue. In such a male-dominated field, women all across our great state are leading the way and fostering a culture of inclusion in the field of engineering, as well as transportation.

*2017 was an awesome year – and we have even more in store for 2018! Want to be a part of our great organization? Join WTS Atlanta! For more information, to register for an event or learn more about becoming a sponsor, please visit our website at [www.wtsinternational.org/atlanta](http://www.wtsinternational.org/atlanta).*



## A LOOK BACK

*This retrospective showcases the 1965 era railroad gulch in downtown Atlanta, Ga. Today, the new Mercedes-Benz Stadium and demolished Georgia Dome cover what is now nicknamed "The Gulch." The area has made headlines in the past months as plans for a large development project take shape. One can only imagine how this city center view will change again in another 50 years. Photography Credit: Kenan Research Center at the Atlanta History Center. Photographer: Floyd Jillson (1926-2011).*

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