

2016 FTBA Construction Conference  
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**Hesham Ali, Ph.D., P.E.** is a Professor of Practice at Florida International University where he teaches graduate and undergraduate civil engineering classes, mentors graduate students and conducts a research program on Green Paving. Hesham has 24 years of experience and 30 + publications in Pavement Engineering. He graduated from the City University of New York and spent 2 years at FHWA's Long Term Pavement Performance Program as a Graduate Research Fellow. He then joined ARA as a Pavement Engineer where he performed pavement research and engineering in Maryland. Hesham has 10 years of experience with FDOT where he served as District Materials Engineer and District Director of Operations in District 4.

**Dr. Jamshid Armaghani, P.E.** is Vice President of Global Sustainable Solutions. He has more than 29 years of experience in pavements design, construction and Rehabilitation. He served as the FDOT State Pavement Evaluation Engineer, and later as Director of Concrete Paving with the FCPA.

**Mr. Richard Baker** is responsible for the market development of the High Friction Surfacing Treatment (HFST) division of DBI Services, LLC. His duties encompass driving funding from the Federal Government Agencies and the State Departments of Transportation nationally and internationally for the implementation of HFST multiyear programs. Baker's extensive engineering and marketing background of forty years globally extended DBI Services to become the industry leader in HFST, demarcation and bridge deck preservation. A Koch Industries former division manager (the largest privately held company in North American) with a civil engineering, chemical, financial and marketing education. Baker became the global product manager for a leading US manufacturer in this role where he was recognized as an advocate for the customer, as a former company owner he was responsible for the introduction of many of the standard practices used in highway maintenance and safety. The drive to introduce, have specified and fund high friction surface treatment in North America began in 1999 with the first years sales of 200K, in 2015 the sales will exceed \$40 million. With the market growth in HFST the need for efficiency in application lead to full automation, state agencies will not permit manual applications except in limited locations. High volume installation, durability and longevity are bywords for the industry going forwards.

**Loreen Bobo, P.E.** I-4 Ultimate Construction Program Manager, Florida Department of Transportation. Loreen graduated from the University of Florida (UF) with a Bachelor of Science in Civil Engineering in 1999. In 2007, Loreen graduated with her Masters of Science in Industrial Engineering, with a focus on Engineering Management, from the University of Central Florida. In 1999, Loreen began working for the Florida Department of Transportation (FDOT) District 5 office in Deland, FL as a Professional Engineer Trainee. Loreen specialized in construction, and worked as a Project Administrator/Engineer and Project Manager, most notably on the \$120 Million reconstruction of the I4/408 Interchange located in downtown Orlando, completed in 2009. After that she spent several years as an Assistant Maintenance Engineer in a local maintenance yard before joining the I-4 Ultimate Project. Loreen has been involved with the I-4 Ultimate project since the procurement began in late 2011. When not working on I-4 Ultimate, Loreen enjoys spending time with her husband (also a Civil Engineer) and their two young sons.

**Jim Boxold** was named Secretary of the Florida Department of Transportation by Governor Rick Scott in December 2014. As Secretary, he is focused on improving the transportation network to benefit residents, visitors and Florida's economic growth. Secretary Boxold has challenged FDOT employees to continue to seek ways to be more efficient in operations and leveraging Florida's exceptional position to improve the state's transportation system.

**Luis F. Buenaventura, P.E.** is Executive Vice President of Highway Safety Devices, a specialty contracting firm based in Tampa, Florida which specializes in the installation of lighting, signing, ITS, signalization and guardrail systems on FDOT highways. Mr. Buenaventura is a Civil Engineering graduate from the University of New Orleans and a licensed Florida Professional Engineer. He is also the Chairman of the FDOT and FTBA's joint committee on Lighting, Electrical, Signing and Signalization (LESS). He has over 35 years of experience in the road building industry, 25 years on Florida FDOT projects.

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**Robert Carballo, P.E.** is a Vice President and Transportation Gulf Regional Business Leader for Stantec Consulting Services, Inc. He has over 30 years of experience of which 27 have been spent actively on the planning and design of transportation projects throughout Florida. His experience has ranged from local arterials to major complex limited access interstate and tolled facilities for both Florida's Turnpike and the Miami-Dade Expressway Authority. This experience has included major PD&E Studies such as the Widening of the Sawgrass Expressway being implemented under FDOT's State-Wide Acceleration Transformation (SWAT) process; Widening of the HEFT from SR 874 to SR 836; Golden Glades Interchange in Miami as well as several Design Build projects including the \$1.68 Billion I-595 DBFOM project in Ft. Lauderdale. He currently serves on the FICE Statewide Transportation Liaison Committee as well as the FICE District 6 Liaison Committee. His involvement in FICE also includes serving as the FICE Chair of the FDOT Alternative Contracting Task Team and the Alternative Contracting Steering Committee.

**Melissa Chin, P.E.** started her career with the Florida Department of Transportation in 2010 as a Professional Engineer Trainee in the District One Office. After the first phase of her training, Melissa transferred to District Seven and worked in the Tampa Construction Office as a Project Administrator. Some of the projects Melissa has worked on as a PA include replacing the existing deck spans, approach slabs, and slope pavement on the DB I-75 bridge over Harney Road, bridge repair and rehabilitation on the NB Howard Franklin Bridge, including cathodic protection, pile jacket installation, metallization, and bearing replacement, the Gandy EB Bridge improvements consisting of impressed current cathodic protection installation, cathodic protection pile jacket installation, and metalizing, and the Kennedy Bridge Rehabilitation Project consisting of electrical and mechanical improvements, control and storage house renovations, and concrete repairs. As of 2014, Melissa is now a Construction Project Manager in the Tampa Oakpark Office, covering District 7 Interstate and CCEI projects. Some of the projects she has worked on as a PM include the reconstruction of a section of US 301 from a 2 lane rural roadway to a 4 lane divided suburban roadway, including drainage, signals, bridge removal, and the construction of two new bridges, and the DB I-75 SR 60 project which included improvements to the I75 off ramps to SR 60, concrete slab replacements, and deck replacements of two bridges. Melissa is currently allocated to be the PM for the DB Gateway Project, to be awarded in March 2017.

**James Christian, P.E.** Division Administrator, Federal Highway Administration, Florida, Puerto Rico & Virgin Islands. Mr. Christian currently serves as the senior FHWA official for Florida, Puerto Rico and the U.S. Virgin Islands as the Division Administrator to deliver a \$2.3 Billion federal-aid program. Mr. Christian leads a staff of multi-disciplinary professionals in advancing safety initiatives, administering surface transportation programs, and deploying innovations and technologies to accelerate transportation projects. Mr. Christian previously worked as the FHWA Division Administrator in Utah for 5 years where he partnered with the Utah DOT in a national deployment of their accelerated bridge technologies and innovative project delivery practices. James has over 21 years of experience in the transportation industry working throughout the United States. Mr. Christian holds a B.S. degree in civil engineering from the University of Illinois and is a registered Professional Engineer.

**Rick Crocker** is currently a Project Manager and Paving Project Specialist at Preferred Materials. He has over 33 years of experience in the Paving industry. He rose through the ranks as a screed operator, paver operator, and roller operator to Superintendent, then Operations Manager. Rick has been with Preferred Materials for over a year while serving as part owner in Crocker Brothers Incorporated. He is also a past Vice President of the Maine Asphalt Paving Association. Rick has worked for numerous Paving contractors and manufacturers serving as a consultant for Paving Principles and Best Practices.

**Dale DeFord, PhD** has over 20 years research experience in the area of cementitious building materials, including cement and concrete, gypsum, fiber-reinforced cement, and latex-cement composites. Dale has held positions at various building materials companies that include Product Manager, R&D Material Scientist, Product Development Engineer, Product Development Consultant, and Senior Product

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Development Engineer. He received BS, MS, and PhD degrees in Ceramic Engineering and Materials Science and Engineering at the University of Illinois, and served as a Postdoctoral Fellow at the Center for Advanced Cement-Based Materials at Northwestern University. Dale started at the State Materials Office in 2009 and currently works as a Structural Materials Research Specialist, performing cement and concrete research, material evaluations, and managing FDOT-sponsored university research projects.

**Brian Dewey** heads up the Strategic Accounts group for EquipmentWatch, publishers of the Rental Rate Blue Book, and a division of Penton, a professional information services company with headquarters in New York. Penton delivers insights, information & workflow tools to inform critical business decisions; networking & community to industry peers & partners; and data & marketing services to advance business performance & deliver ROI. Brian works closely with the EquipmentWatch analyst team to ensure that construction equipment information is updated, and accurately reflective of market trends. EquipmentWatch has kept its finger on the pulse of the used construction equipment industry for over 30 years, and maintains the largest database of heavy equipment sales activity in the world. Brian and his family have lived in Atlanta GA for over 25 years, and comes to us with a wealth of experience in the construction industry, holding numerous sales and marketing positions within the industry during his career.

**James Greene, P.E.** has worked at the State Materials Office since 2008. He previously managed the Accelerated Pavement Testing Program and currently manages the Pavement Condition Survey group. Prior to working with the SMO, Jamie worked as a consultant and has 15 years of pavement engineering experience. He is a licensed Professional Engineer (P.E.) in the State of Florida.

**Sharon Griffiths, P.E.** (FDOT District 2 Palatka Construction Resident Engineer) Sharon is a graduate of the University of Florida (UF) with a Bachelor of Science in Civil Engineering and is a Professional Engineer registered in Florida. She began her career with FDOT 24 years ago as a Professional Engineer Trainee. She did hard time in PLEMO prior to joining the Construction office in Jacksonville as a Project Manager. Sharon is currently the Resident Engineer in the Palatka Construction office. She has been involved with all types of construction including roadway-concrete and asphalt, bridge and vertical projects. Current concrete pavement projects in her Residency include the State Road 9B Phase II and III.

**Todd S. Hammerle, P.E.** is a 1993 graduate of The University at Buffalo with BS degree in Civil Engineering. He was by employed the Florida Department of Transportation for 19 years from 1995 until 2014 starting as a Professional Engineer Trainee and lastly as the District Five Maintenance Engineer. Todd joined DBI Service in 2014 as Vice President handling Business Development and Operations Support primarily for its Asset Maintenance Business unit in their south east region that includes FL. Todd also provides local support for DBI's other business units including its HFST division.

**Kerrie Harrell, P.E.** is the District 3 Consultant Project Management Engineer at the Florida Department of Transportation in Chipley, Florida. Kerrie has over 15 years of experience in transportation engineering including structures design and project management. For the last 7 years, Kerrie has been primarily working on Design Build projects including development and management of District 3 projects. Her work tenure includes FDOT District Three and the private sector.

**Chester Henson, P.E.** is currently the State Traffic Standards Engineer for the Dept. of Transportation. He has 49 years of transportation experience in the areas of planning, design, construction, and management of highway, bridge, and general civil engineering projects. His experience includes 19 years with the Dept. of Transportation, 4 years as County Engineer and 22 years with consulting engineers. Chester presently coordinates and develops improvements to the Design Standards, Plans Preparation Manual and Specifications in the areas of pavement marking, signing, signalization and highway lighting. He also represents the Department on various industry committees. He chairs the ATSSA/FDOT Pavement Marking Committee and is a member of the National ATSSA Pavement Marking Committee.

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**Rich Hewitt, P.E.** has worked for the FDOT for over 19 years. He began his working career in the building construction industry (framing, masonry, roofing, etc.) and spent several years as a contractor. He has a Bachelor of Science in Civil Engineering from the University of Florida and is a Professional Engineer registered in Florida. He started with the FDOT as a P.E. Trainee and served in District 5 as the District Bituminous Engineer, District Construction Materials Engineer, and also as a Geotechnical Engineer. Rich currently works for the State Construction Office as the State Construction Pavement Engineer.

**Charles Holzschuher, P.E.** is the State Pavement Performance Engineer for the Florida Department of Transportation and has worked in the Pavement Evaluation field for over 15 years. His experience includes managing several statewide programs including the Pavement Condition Survey, Friction Evaluation, Pavement Marking Management, Pavement Smoothness and Pre-Design Evaluation. He is a graduate of the University of Florida and is a registered professional engineer in the State of Florida.

**Dan Hurtado, P.E.** is the State Construction Structures Engineer in the State Construction Office. Dan is a Professional Engineer in the State of Florida and has a Master's Degree in Structural Engineering from Florida State University. Dan has several years of experience in the design and construction of complex structures. Before coming to the State Construction office, Dan served for three years as the Litigation Support Engineer in the Office of the General Counsel.

**Eric Ivers** is the Regional Sales Manager for construction and laser products at Topcon Positioning Systems, responsible for the Midwest US region covering 10 states. Previous experience includes global trainer for all machine control products, machine control product manager and head land surveyor for a heavy highway civil engineering firm. In addition to Eric's current responsibilities he has accepted the role of business development manager for asphalt resurfacing within Topcon.

**Adrian M. Lawrence Ph.D., M.Sc., B.Sc., P.E.** is a licensed Professional Engineer in the States of Florida and Georgia with over 15 years of experience in Civil Engineering Industry and Research. He currently acts as a Structural Materials Consultant to the Florida Department of Transportation's State Materials Office, and is also a Principal Investigator for research in concrete at the University of Florida. Dr. Lawrence received his B.Sc. from Howard University in Washington D.C., his M.Sc. from the University of Miami, Coral Gables, Florida, and completed his doctoral studies at the University of Florida, Gainesville, Florida. He has conducted research in Portland cement and supplementary cementitious materials, the hydration process of mass concrete, the distribution of concrete internal temperature and its effects on thermal cracking, and the non-destructive testing of concrete structures.

**Christopher S. Lewis, E.I.** began his career with the Florida Department of Transportation in 2010 as a Professional Engineer Trainee. Chris' transportation career includes working in the State Roadway Design Office as an Engineer Specialist, specializing in traffic standards and maintenance of traffic, and working in the State Traffic Engineering and Operations Office as a Manager for the Highway Guide Sign Program. Chris began working in the FDOT State Construction Office as Construction Engineer Specialist in Tallahassee in the fall of 2014, where he currently resides. Chris' areas of responsibilities include: American with Disabilities Act Accessibility issues (Detectable warnings on walking surfaces), Consultant Construction Engineering and Inspection (CCEI), Contract Disputes, Crash Cushion/Attenuators, Guardrail, Intelligent Transportation Systems (ITS), Lighting, Maintenance of Traffic, Pavement Marking, Rumble Strips, Signalization, Signing, and Utilities. Chris earned his Bachelor of Science Degree in Civil Engineering from Florida State University. He is a licensed Contractor in the State of Florida.

**Jim Mack, P.E.** joined CEMEX in September 2007 as Director, Market Development. He has 25 years of pavement engineering experience with expertise in all aspects of concrete pavement design, rehabilitation, materials, and construction. In his position, he works with State Departments of Transportation (DOT's), Federal Agencies and others to improve and develop standards for concrete

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pavements; and to identify and develop cement and concrete application opportunities for highway, streets, airport, and other applications. Jim has a Bachelor's and a Master's Degree in Civil Engineering from the University of Illinois and is a Professional Engineer in Illinois and Texas. He is also one of the concrete industry representatives serving on the FDOT Rigid Pavement Committee.

**Gevin J. McDaniel, P.E.** has over eighteen years of design experience in structural and civil engineering. In the private sector, he has served as Engineer of Record, Design Engineer and Project Manager for a variety of bridge and building superstructure and substructure types. He has also provided specialty engineering services to contractors. He joined the Florida Department of Transportation in 2009 and is currently serving as the Roadway Design Standards Administrator in the Office of Roadway Design.

**Susan Musselman** has worked for the FDOT for 30 years. She began her career as a Construction Engineering Technician at Marathon Construction. She worked in the State Construction Office in the Final Estimates Section as the Statewide Contract Close Out Administrator and in the State Materials Office as the QC Program Coordinator, Materials Document Management Application Coordinator and the LIMS Application Coordinator for the Structural Materials Section. Susan currently works in the State Materials Office Administration Section as the LIMS/MAC Manager responsible for the maintenance of the Laboratory Information Management System (LIMS) and the development of the Materials Acceptance and Certification system (MAC).

**Pekka "Pete" Pakkala**, Country manager for Viasys VDC Inc., and is responsible for all aspects of development in Virtual Design & Construction (VDC/BIM), IT tools and services. Previous experience and competencies are mainly with asset management and maintenance, project delivery methods, Performance Based Maintenance Contracts (PBMC), Public Private Partnerships (PPP), international practices and benchmarking, research projects, and training and education. Pekka is on World Bank's list of experts dealing with PBMC and is an invited speaker at many international seminars and conferences.

**Kerry Paladino** has worked at Traffic Control Products of FL, Inc. for a little over 3 years. She started in the accounting department and has since transferred to HR/PR Administrator/EEO Assistant. Kerry's background is in accounting and human resources. She is currently attending Strayer University to receive her Bachelors in Business with a concentration in Human Resources Management.

**Maria I. Perdomo, PE** is a Project Manager at the District 6 Florida Department of Transportation, currently managing for I-395 Design-Build and overseeing the Krome Avenue Reconstruction projects. Previously, she has managed Project Development and Environment (PD&E) and other conventional projects. Maria began her career as a consultant where she concentrated on Design-Build projects such as Port of Miami Tunnel in Miami-Dade County and I-95 Reconstruction in Brevard County. Maria graduated with a Bachelor of Science in Civil Engineering from the University of Florida, Go Gators!!!

**John Roberts** is the Executive Director of the International Grooving and Grinding Association (IGGA) The IGGA is a non-profit Trade Association founded in 1972 by a group of dedicated industry professionals committed to the development of the diamond grinding and grooving process for surfaces constructed with Portland cement concrete and asphalt. This group now serves as the lead industry representative and technical resource in the development and marketing of optimized pavement surfaces, concrete pavement restoration and pavement preservation around the world. Prior to joining the IGGA John was employed by Ebasco Services Inc., where he worked on projects ranging from radioactive cleanups to reconstruction of the Manhattan Bridge. John also was the owner of a concrete contracting company located in New York where he specialized in the construction of bridges, pavements and structures. John was an honor student graduating from Rensselaer Polytechnic Institute, Magna Cum Laude with a B.S. in Civil Engineering.

**Timothy Ruelke, P.E.**, Director, Office of Materials. Tim has worked with the Florida Department of Transportation since 1989. He started as a PE Trainee in District 5. He then worked at the State Materials

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Office for 5 years followed by five years as the District Two Materials Engineer. Tim then served as the District Two Construction Engineer for 6 years. Currently, Tim is the Director of the State Materials Office in Gainesville.

**David A. Sadler, P.E.** began his career with the Florida Department of Transportation in 1988 as a Professional Engineer Trainee working in the Jacksonville Construction Office. While in Jacksonville David was promoted to Project Engineer where he spent the major of his career working on major bridge projects. In 1996 David was promoted to Resident Engineer. As Resident Engineer, he led a staff of engineers and technicians in the contract administration of a variety of roadway and bridge projects. In 2002, David accepted the position of State Construction Engineer where he lead a staff of Engineering Specialists in assuring that the Department's district construction personnel administered the construction contracts in compliance with the contracts and with policies and procedures. In 2008, David was promoted to Director, Office of Construction where he now manages a staff of Engineers and Specialists in the development of policies and procedures necessary for proper contract administration. David earned his bachelor's degree in civil engineering from The University of Florida. He is a licensed Professional Engineer (P.E.) in the State of Florida.

**Amy Scales, P.E.** A graduate of Auburn University, Amy Scales currently serves as Assistant District Construction Engineer for District 5. Amy is also beginning construction on SunRail Phase 2, as well as Wekiva Parkway Section 6. In her more than 28 years with FDOT, she has been involved in more than 15 design build projects, including the first Wekiva Parkway project and SunRail Phase 1, and has managed many conventional projects.

**Daniel Scheer, P.E.** started his career as a concrete segmental bridge designer working in the consulting engineer arena for 11 years. He moved to FDOT as a Structures Design Engineer and subsequently was appointed as the State Specifications Engineer in 2013. Dan is also an active US Navy Reserve Officer (12 yrs) in the Civil Engineer Corps (Seabees) currently serving with NAVCENT out of Bahrain. As the State Specifications Engineer for FDOT, Dan oversees and is responsible for the bi-annual publication of the State Standard Specifications for Road and Bridge Construction eBook and all other standard contract provisions associated with the construction of the state road system.

**Jacqueline D. Sequeira, P.E.**, A graduate of Florida International University (BSCE 1999), Jacqueline Sequeira, P.E., has been with the Florida Department of Transportation, District Six, for 16 plus years. Jacqueline was promoted to Program Manager for the Port of Miami Tunnel Project on June, 2013. As the Port of Miami Tunnel Construction Manager, Mrs. Sequeira is responsible for coordinating with the Design Project Manager, Work Program staff and other public agencies and municipalities. As a vital member of the District Construction team, she is responsible for the overall administration of the contracts and program development of all Major Projects in District 6 including Public/Private Partnerships.

**Derwood Sheppard, P.E.** is currently working in the Roadway Design Office as the Design Standards Publications Manager. Technical Lead on Roadside Safety Design aspects for FDOT. Derwood has been with the Department since September 2014. Previously worked as a Geotechnical Project Manager with Environmental and Geotechnical Specialists (EGS), was with EGS for 11 years and worked as a geotechnical design consult regarding slope stability, foundations and stormwater facility design. Graduated from FSU in 2004 with BS in Civil Engineering and received Masters from UF in 2013.

**Daniel Strickland, P.E.** graduated from Florida State University with a Bachelor's of Science in Civil Engineering in 2004 and began his career with the Department as a P.E. Trainee in District Three. He supervised the maintenance field crews and shop in Midway Operations until 2007. From 2007 to 2011, he served as the Assistant Maintenance Engineer in Midway. He also served as the Traffic Operations Liaison during his tenure in District Three. In 2011, Daniel took a position in the Central Office for the Office of Maintenance as the Contracts Engineer. Currently, Daniel works as a Design Standards Engineer for the Roadway Design Office at FDOT.

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**Amy Tootle, P.E.** a registered professional engineer, began her career in transportation hydraulics, after graduating from the University of Florida in 1999. A majority of her career has been spent in the private sector before joining the Florida Department of Transportation in the fall of 2010, where she started in the State Hydraulics Office in Tallahassee. Ms. Tootle is now the State Construction Engineer where she oversees the construction specialty engineers and the development of policy and procedures for construction. For the past 2.5 years she has been setting the stage for construction to go paperless within FDOT.

**Patty Vickers** is the State Construction Compliance Manager. Her position is tasked with providing guidance to the FDOT district compliance personnel on issues related to wage tables on Federal Projects that fall under the Government contract acts. She has worked in surveying, design, or construction, her entire life. Including time in the contracts and permitting offices with FDOT in district three for approximately twelve years. Her career has provided her with the knowledge from handling construction projects from conception thru construction. She has an Associate Degree in Engineering from Tallahassee Community College, a Bachelor degree in Social Science from FSU and a Master Degree in Urban and Regional Planning with a Concentration in Environmental Planning and Natural Resource Management also from FSU. She loves working with people and hopes to continue her position with FDOT for a few more years to come.

**Terry V. Watson** serves as the State DBE Program Coordinator in the Equal Opportunity Office of the Florida Department of Transportation. In this role Mr. Watson is responsible for utilizing the Disadvantaged Business Enterprise (DBE) Program to ensure the Department and the construction industry achieve the states federal DBE goal. He also promotes and monitors adherence of the Departments DBE Program by prime contractors and consultants that perform Roadway & Bridge work throughout the state. Mr. Watson moved to Florida in 2000, and previously served as the Bond Specialist for the Departments Construction Management Development and Bond Guarantee Programs (CMDP-BGP) that were at the time being administered by the Florida A&M University Small Business Development Center. He joined the Department of Transportation in 2002 in his current position. Terry serves on the Florida Institute of Consulting Engineers (FICE) DBE subcommittee of the FICE Transportation Committee as well as works closely with the Florida Transportation Builders Association (FTBA) regarding DBE utilization by its members.

**John Westphal, P.E.** works as a Construction Structures Engineer for the Florida Department of Transportation, Office of Construction. John is a registered Professional Engineer in the State of Florida. Prior to rejoining the FDOT, he worked for 5 years as a structural bridge engineer on both design-build as well as design-bid-build projects within Florida and throughout the U.S. He has 10 years of experience in multiple aspects of civil design including structural, roadway and drainage work. John's prior stint with the FDOT included working for the Structures Design Office, in the structural software group.