

MORNING - JAMES L. KNIGHT CENTER AUDITORIUM

7:00-7:50 AM	Complimentary Breakfast - Exhibit Hall	9:40-10:00 AM	Recognizing ABC Person of the Year and Best ABC Projects Ahmad Abu-Hawash, Chair of the ABC-UTC Awards Committee
8:00-8:50 AM	Welcome Atorod Azizinamini, ABC-UTC Director Congressman Mario Diaz-Balart (Invited) Mark Rosenberg, President, Florida International University Carmen Swanwick, AASHTO COBS Romeo Garcia, FHWA FDOT Representative USDOT UTC Program Representative	10:00-10:30 AM	Keynote Talk - European Experiences and Latest Development in UHPC Eugen Bruhwiler - Federal Institute of Technology, Lausanne, Switzerland
8:50-9:15 AM	Keynote Address Elaine L. Chao, US Secretary of Transportation (Invited)	10:30-NOON	ABC - UTC Research Showcases and Other Poster Sessions in Exhibit Hall
9:15-9:40 AM	Recognition of Travel Scholarship Contributors Ed Power, HDR & Carlos Duart, CDR Maguire	NOON-1:00 PM	Cash Bar Lunch at Exhibit Hall and Poster Presentation

AFTERNOON - BREAKOUT SESSIONS

1:00-1:30 PM Keynote Talk: AASHTO-LRFD GUIDE SPECIFICATIONS FOR ABC Michael Culmo- CME Associates, Inc. - James L. Knight Center Auditorium						
ROOM	JAMES L. KNIGHT CENTER AUDITORIUM	AUDITORIUM SECOND FLOOR	JASMINE	ORCHID ROOM	HIBISCUS A	HIBISCUS B
	SESSION 1 ABC-CASE STUDY	SESSION 2 ABC-SEISMIC	SESSION 3 UHPC- CASE STUDY	SESSION 4 ABC-TOOLS & SOLUTIONS	SESSION 5 ABC-GENERAL	SESSION 6 ABC-RESEARCH
MODERATOR	Paul Froede Alabama Dept. of Transportation Jason Hastings Delaware Dept. of Transportation	David Benton Arizona Dept. of Transportation Stephen James Harelson Colorado Dept. of Transportation	Timothy Fields Connecticut Dept. of Transportation Richard Pratt Alaska Dept. of Transportation & PF	Romeo Garcia FHWA Robert Robertson Florida Dept. of Transportation	Bill DuVall Georgia Dept. of Transportation Carl Puzey Illinois Dept. of Transportation	Stephanie Wagner Indiana Dept. of Transportation Ahmad Abu-Hawash Iowa Dept. of Transportation
1:40-2:10 PM	WSDOT Ferry Terminal at Colman Dock Pedestrian Bridge Utilizing Innovative Materials for Accelerated Bridge Erection *Geoff Swett - Washington State Department of Transportation	Innovative Design and Materials for Seismic Resilient Accelerated Bridge Construction *Bijan Khaleghi - Washington State Department of Transportation	ABC Design of Ultra-High Performance Concrete (UHPC) Decked I-Beam in Ontario, Canada *Philip Loh - Dura Concrete Canada Incorporated Maheer Tadros - eConstruct USA, LLC Don Gardonio - Facca Incorporated	The Use of Pocket Guides and Smart Phone Apps for Bridge Preservation Construction Projects *Eric Thorkildsen - Greenman-Pedersen, Inc. (GPI)	Accelerated Bridge Construction and the Interactions with Contractors *Finn Hubbard - Fickett Structural Solutions	Field-Cast Connections for ABC: From Research to Best Practices *Zachary Haber - FHWA Benjamin Graybeal - FHWA
2:10-2:40 PM	I-15 Garnet Interchange; Nevada's First Full Depth Precast Deck Panels & Two Span Precast Voided Slab Bridges *Daniel Ferris - Ames Construction, Inc. Derek Stonebraker - Horrocks Engineers	An Alternative Precast Pier System for Accelerated Bridge Construction (ABC) in Seismic Regions *Mustafa Mashal - Idaho State University Arya Ebrahimipour - Idaho State University Leonard Ruminski - Idaho Transportation Department		Training Construction Inspectors in Accelerated Bridge Construction Techniques *David Hoyme - Greenman Pedersen, Inc Willy Grimme - Greenman Pedersen, Inc	Epoxy Asphalt Chip Seal used for Accelerated Deck Replacement on the MacDonald Bridge *Can Chen - ChemCo Systems, Inc. John Bors - ChemCo Systems, Inc.	Performance Comparison of In-Service, Full-Depth Precast Concrete Deck Panels to Cast-in-Place Decks *Esmail Shahrokhinasab - Florida International University David Garber - Florida International University
2:40-3:10 PM	Replacement of the MBTA Franklin Line Over East Street, Westwood, MA *Kristofer Kretsch - VHB Kaleigh Rowe Stutz - VHB	Accelerated Construction and CMGC Delivery for the San Diego Genesee Viaduct *Pooya Haddadi - WSP USA Bita Shahla - WSP USA Nathan Johnson - WSP USA	UHPC Joint Fill Construction Problems and Solutions on the Pulaski Skyway *Michael McDonagh - WSP USA Andrew Foden - WSP USA	Eliminating the Need for Formwork by Using UHPC Shell *Islam Mantawy - Florida International University Nerma Caluk - Florida International University Atorod Azizinamini - Florida International University	Resiliency Enhancement of Aging Frame Bridge Using Accelerated Bridge Construction as an Effective Climate Change Adaptation Approach *Husham Almansour - National Research Council Canada Amina Mohammed - National Research Council Canada Zoubir Lounis - National Research Council Canada	Corrosion Durability of Reinforced Concrete Bridge Repaired with Application of UHPC Atorod Azizinamini - Florida International University *Kingsley Lau - Florida International University
3:10-3:40 PM	COFFEE BREAK - EXHIBIT HALL					

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3:40-4:10 PM	Accelerated Superstructure Replacement for the Hoboken Viaduct *Thomas Zink - Gannett Fleming, Inc.	Behavior of UHPC Columns Subjected to Combined Axial and Lateral Loading *Mahmoud Aboukifa - University of Nevada, Reno Mohamed Moustafa - University of Nevada, Reno Ahmad Itani - University of Nevada Reno	Superstructure Replacement of Route 676 Bridges over North Branch of Newton Creek Utilizing Accelerated Bridge Construction *Mathew Alboum - Dewberry Engineers Inc. Erica Parriott - Dewberry Engineers Inc.	Next Generation of Folded Steel Plate Girder Systems for Short Span Bridges Atorod Azizinamini - Florida International University	Acrow Temporary Lift Bridge on the Sr 80 Bridge Replacement Project in West Palm Beach, Florida *Michael Parciasepe - Acrow Bridges	System Performance of a Precast Bridge Incorporating Full-Depth Deck Panels and Prestressed Inverted Bulb-Tee Girders *Mostafa Tazarv - South Dakota State University Michael Mingo - Burns & McDonnell Nadim Wehbe - South Dakota State University
4:10-4:40 PM	Accelerated Construction of Unbraced Network Arch Bridge Using SPMTs *Mike LaViolette - HDR Brad Wagner - Michigan Department of Transportation	Assessment of the Seismic Performance of an ABC Steel Girder Bridge through Shake Table Studies *Elmira Shoushtarirezvani - University of Nevada, Reno Saaid Saiidi - University of Nevada, Reno Ahmad Itani - University of Nevada, Reno	Superstructure Replacement of Winthrop Road Underpass in 45 Days Utilizing Precast Concrete and UHPC *William Rauseo - VHB Andrew Prezioso - VHB Gordon Edington - VHB	A Statistical Summary of Accelerated Bridge Construction Practice in Federal and State Transportation Agencies *Yilei Shi - State University of New York, Canton	Mass Production and Assembly Line Concepts in ABDF&C *Joe Krajewski - HNTB / University of Washington	Fostering Post-Tensioned Timber-UHPFRC Composite Highway Bridges *Luca Sorelli - Universite Laval Eugen Bruhwiler - Ecole Polytechnique Federal Lausanne (EPFL)
4:40-5:10 PM	UHPC Overlay at Multiple Bridge Interchange in Elsmere, DE *William Geschrei - Whitman, Requardt & Associates, LLP Zachary Gabay - Whitman, Requardt & Associates, LLP	A Framework to Quantify the Cumulative Damage due to Induced Seismicity *Philip Harvey - The University of Oklahoma Sumangali Sivakumaran - The University of Oklahoma Kanthisamy Muralaetharan - The University of Oklahoma	Innovative Partnership Leads to First Use of PBU's and UHPC by the NHDOT *Joshua Lund - McFarland Johnson Robert Landry, Jr. - New Hampshire Department of Transportation	Productivity Analysis in ABC *Joseph Krajewski - HNTB / University of Washington College of the Built Environment	Innovative Bridge Designs that Accelerate Construction using Precast Concrete *Gregg Reese - Modjeski and Masters Andrew Mish - Modjeski and Masters	Non-Prestressed and Sustainable Precast Bridge Girders Using Ultra-High-Performance Fiber-Reinforced Concrete (UHP-FRC) *Shih-Ho Chao - The University of Texas at Arlington Missagh Shamshiri - The University of Texas at Arlington Venkatesh Kaka - Armstrong-Dougllass Structural Engineers
5:10-5:40 PM	Bothasfontein Interchange Bridge, South Africa - an ABC Composite Steel/Concrete 4-Span Bridge Erected in Two Consecutive Weekends over 25 years ago *Jose Calisto da Silva - Biggs Cardosa Associates Inc.	Rapid Repair of Earthquake Damaged Substandard Bridge Columns Targeting Future Service Level Performance *Peter Dusicka - Portland State University Gregory Norton - Portland State University Ilya Palnikov - Portland State University	MnDOT Use of Bridge Move Techniques and Precast Deck with UHPC *Paul Pilarski - Minnesota Department of Transportation Matt Christie - WSP USA	Precast Segmental Bridge Construction as an ABC Tool *Gregg Freeby - American Segmental Bridge Institute	Quick-Installation Expansion Joint Solutions for Faster Bridge Construction and more Efficient Maintenance *Joseph Bilotti - Mageba USA Danilo Della Ca' - Mageba USA	Research and Development Efforts Aimed at the Commercial Production of a Shallow Press-Brake Formed Steel Tub Girder *Karl Barth - West Virginia University Greg Michaelson - Marshall University Rich Tavoletti - AISI Steel Market Development Alliance
6:00-7:30 PM	RECEPTION AND LOCAL MIAMI FLAVOR ENTERTAINMENT IN EXHIBIT HALL					

MORNING

MORNING - BREAKOUT SESSIONS

7:00 - 7:50AM - COMPLIMENTARY BREAKFAST - EXHIBIT HALL

8:00-8:30 AM	Keynote Talk: Design of Bridges for Service Life and Upcoming AASHTO Guide Bruce Johnson - Oregon State Department of Transportation - James L. Knight Center Auditorium					
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MODERATOR	Paul Vaught III Louisiana Dept. of Transp. & Dev. Wayne Frankhauser Jr. Maine Dept. of Transportation	Bradley Wagner Michigan Dept. of Transportation Nancy Daubenberger Minnesota Dept. of Transportation	Scott Westerfield Mississippi Dept. of Transportation Dennis Heckman Missouri Dept. of Transportation	Kristin Higgins Vermont Agency of Transportation Jessen Mortensen Nevada Dept. of Transportation	Steven Jacobi Oklahoma Dept. of Transportation Bruce V. Johnson Oregon Dept. of Transportation	Thomas P. Macioce Pennsylvania Dept. of Transportation Islam Mantawy Florida International University
8:40-9:10 AM	Is ABC a Good Fit? Development of the Illinois Department of Transportation's Accelerated Bridge Construction Evaluation Method *Eric Ozimok - AECOM Patrik Claussen - Illinois Department of Transportation	Accelerated Construction of I-40 Meteor City TI OP *William Downes - Arizona Department of Transportation Brent Conner - Arizona Department of Transportation	UHPC Based ABC Solutions *Atorod Azizinamini - Florida International University	Accelerated and Resilient Repair of Bridge Columns *Shamim Sheikh - University of Toronto	Accelerated Bridge Construction in China: Past, Present, and Future Qixian Tian - Wuhan China Railway	Isolated Bridge Abutments for Accelerated Bridge Construction *Mohammad Saifuzzaman - Parsons Inc. Matthias Schueller - Vice President
9:10-9:40 AM	FDOT Experience with PBES for Small-Medium Span Bridges *Steven Nolan - Florida Department of Transportation Sam Fallaha - Florida Department of Transportation Vickie Young - Florida Department of Transportation	Pennsylvania Turnpike Commission - EB117 ABC Bridge Replacement *Edward Bosack - Alfred Benesch and Company John Boyer - Pennsylvania Turnpike Commission	Advancing Ultra-High Performance Concrete in the Bridge Sector *Benjamin Graybeal - Federal Highway Administration Rafic El-Helou - National Research Council	Using Existing and New Innovative Methods to Accelerate Rehabilitation of Four I-89 Bridges *Scott Burbank - VHB Mark Alexander - Kubricky Construction Corporation	An Integrated Erecting Technique for Total Prefabricated Bridge Elements *Changjiang Wang - Zhejiang Provincial Institute of Communications Planning, Design & Research Xiangyang Chen - Zhejiang Provincial Institute of Communications Planning, Design & Research Lei Li - Zhejiang Provincial Institute of Communications Planning, Design & Research	Post-Earthquake Functionality of ABC Bridges with Column Connections with Self-Centering Capability *Bijan Khaleghi - Washington State Department of Transportation Phil Yen - IABEE
9:40-10:10 AM	Everyday ABC in Texas *Jamie Farris - Texas Department of Transportation	Route 46 over Piaget Avenue (CR 628) Bridge Superstructure Replacement in Two Weekends *John Hanke - MP Engineers, P.C. Nirav Shah - MP Engineers, P.C. Prakash Patel - MP Engineers, P.C.	Trending ABC Designs Utilizing UHPC *Gregory Nault - LafargeHolcim - Ductal	Utilizing ABC Techniques for an Emergency Bridge Repair on the Garden State Parkway *Mohammad Quasim - HNTB Corporation Todd Batchelor - HNTB Corporation	Replacement of Two Integral Abutment Bridges by Rapid Demolition and Lateral Slide Construction Methodology *Matthew McFadden - Jacobs Douglas Raby - Jacobs Kris Mermigas - Ministry of Transportation of Ontario	Rapid Bridge Deck Restoration with "Fast Track" Hydrodemolition and Very Early Strength Latex Modified Concrete *Patrick Martens - Bridge Preservation and Inspection Services
10:10-10:30 AM	COFFEE BREAK - EXHIBIT HALL					

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10:30-11:00 AM	TDOT I-240 MemFix4 – CMGC – Memphis, TN *Lia Obaid - Tennessee Department of Transportation Jacob Williams - Alfred Benesch & Co David Paris - Kiewit Infrastructure South Co.	Tamworth Rte. 113E Over Bearcamp River ABC Bridge Construction *James Hall - Dubois and King Robert Durfee - Dubois and King James Bowles - New Hampshire Department of Transportation	Interface Shear Behavior of UHPC With and Without Supplemental Reinforcement *Zachary Harber - Federal Highway Administration Benjamin Graybeal - Federal Highway Administration	Remote Monitoring and Innovative Techniques for the Construction of the Norfolk Southern Bridge over Cotton Run, Seven Mile, OH *Elizabeth Hoekenga - Michael Baker International Brett Mattas - Michael Baker International	Lightweight Design of Precast Bent Caps in Municipal Engineering *Hao Hu - Shanghai Urban Construction Design & Research Institute (Group) Co., Ltd. Guoping Li - Tongji University Liang Zhou - Shanghai Urban Construction Design & Research Institute (Group) Co., Ltd.	Comparative Study of Segmental Carbon Fiber Reinforced Polymer and Segmental Concrete Cable Stayed Bridge *Marwan Nader - T.Y. Lin International Hemangi Pandit - T.Y. Lin International Norman Quach - T.Y. Lin International
11:00-11:30 AM	Belden-Laurel - Full Precast Bridge Elements *Mark Traynowicz - Nebraska Department of Transportation Fouad Jaber - Nebraska Department of Transportation	Temporary Bridge Installation for Replacement of the Palisades Interstate Parkway Helix Ramp, Ft. Lee, NJ *Doug Brunot - Sunbelt Rentals	Field-Cast Connection Performance: Solutions to Shrinkage and Interface Bond Issues *Igor De La Varga - SES Group and Associates Robert Spragg - SES Group and Associates Benjamin Graybeal - Federal Highway Administration	Case Study of Bridge Deck Replacement Strategies for Post-tensioned Concrete Box-girder Bridges *Youyou Zhang (104) - University of California, Davis Rob Chai - University of California, Davis	Finite Element Model for a Novel Demountable Shear Connector for Precast Steel-Concrete Composite Bridges *Eirini Tzouka - University of Southampton Theodore Karavasilis - University of Southampton	Use of Robotics for Constructing UHPC Shells Formwork Atorod Azizinamini - Florida International University Islam Mantawy - Florida International University
11:30-NOON	Tennessee DOT Fast 4 Bridge Replacement Project *Ted Kniazewycz - Tennessee Department of Transportation Scott McKinney - Bell & Associates Construction, LP	Rapid Replacement of Two Washington DOT Stream Crossing Bridges using Prefabricated Arch Bridge Systems *Michael Carfagno - Contech Engineered Solutions LLC Kali Dickerson - Stantec	Field-Cast Connection Performance: Solutions to Shrinkage and Interface Bond Issues *Peter Seibert - Trebona Consulting Inc. Vic Perry - V.i.Consult Inc. Gaston Doiron - Lafarge North America Inc.	Washington Street (Route 85) over the Assabet River Bridge Replacement in Hudson, MA *Darren Conboy - Jacobs Engineering Group David Massenzio - Jacobs Engineering Group	Innovative Matagrup Bridge Installation, Australia *Javier Martinez Gutierrez - Ale Heavylift	Evaluation of Aging Slab-on-Girder Bridge Resiliency after an Extreme Climate Event Using Accelerated Bridge Construction *Amina Mohammed - National Research Council Canada Husham Almansour - National Research Council Canada
NOON-1:30 PM	CASH BAR LUNCH - EXHIBIT HALL					

AFTERNOON

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1:30-2:00 PM	Keynote Talk: Robotics and Automation in Construction Atorod Azizinamini - Florida International University - James L. Knight Center Auditorium					
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MODERATOR	Ted Kniazewycz Tennessee Dept. of Transportation Carmen Swanwick Utah Dept. of Transportation	Mark Traynowicz Nebraska Dept. of Transportation David Garber Florida International University	Bijan Khaleghi Washington State Dept. of Transportation Mary Lou Ralls Ralls Newman, LLC	Ahmed Ndatiri Mongi West Virginia Dept. of Transportation Seung Jae Lee Florida International University	William Oliva Wisconsin Dept. of Transportation Armin Mehrabi Florida International University	Romeo Garcia Federal Highway Administration Islam Mantawy Florida International University
2:10-2:40 PM	ABC Solution to Bridge in Woodstock Vermont *Robert Young - Vermont Agency of Transportation	Rapid Reconstruction of Historic BNSF Br. 482.1 West Approach *Temple Overman - HNTB Corporation Cory Duerr - Kramer North America	Modeling UHPC Link Slabs for the Wilmington Viaduct Bridge Rehabilitation Project *Loai El-Gazairly - Whitman, Requardt and Associates David Nazimoff - Whitman, Requardt and Associates	Guideline for Selection of Substructure for Projects *Armin Mehrabi - Florida International University Mohamadtqaqi Baqersad - Florida International University Hesham Ali - Florida International University	Rapid Replacement of County Bridges Utilizing H.S. Corrosion Resistant Steel *Amgad Girgis - eConstruct USA LLC Michael Asaad - eConstruct USA LLC Maher Tadros - eConstruct USA LLC	Increase Service Life of Concrete Structures With Lightweight Aggregate *Kenneth Harmon - Stalite Lightweight Aggregate
2:40-3:10 PM	IDOT Accelerated Bridge Construction Pilot Project- Illinois Route 115 over Gar Creek in Kankakee County *Chad Hodel - WHKS & Co., Inc.	Application of Accelerated Bridge Construction Strategies and Innovative Structural Systems to High-Speed Rail *Marc Eberhard - University of Washington John Stanton - University of Washington Michelle Chang - University of Washington	Enhancement of Ultra High-Performance Concrete Material Properties with Carbon Nanofiber *Amirpasha Peyvandi - Jacobs Parviz Soroushian - Michigan State University	Design First Florida I Beam Bridge with GRS Abutment *Quanyang Yao - Florida Department of Transportation Andra Diggs II - Florida Department of Transportation Larry Jones - Florida Department of Transportation	Replacing an Interstate Bridge Deck within a Weekend Closure - Case Study of AccelBridge Deck System *Eddie He - AccelBridge	Exploring Polymer Concrete for Bridge Deck Closures in ABC Mahmoud Reda Taha - University of New Mexico *Islam Mantawy - Florida International University Moneeb Genedy - University of New Mexico
3:10-3:40 PM	Rapid Replacement of Bayou Sara Bridge Swing Span *Kevin Kane - Brasfield & Gorrie, LLC David Knickerbocker - HDR, Inc. Israe Zizaoui - HDR, Inc.	ABC Techniques to Minimize Train Disruption: BNSF Railway Bridge 380.12 over I-235, Oklahoma City, Oklahoma *James Hyland - TranSystems Sue Tryon - Benham Jeff Estes - BNSF Railway	Correlation Between Tensile Strength & Modulus of Rupture for Ultra-High Performance Concrete *Zoi Ralli - York University Stavroula Pantazopoulou - York University	Environmental and Sustainability Benefits of Substructure Re-Use Projects *David Whitmore - Vector Corrosion Technologies Ltd.	A New Perspective of Accelerated Bridge Construction *Joan Zhong - Brisbois Daniel Robles - Integrated Engineering Blockchain Consortium	Rapid Set Concrete Bridge Deck Overlays *Edward Liberati - Hydro-Technologies / Modified Concrete Suppliers
3:40-4:10 PM	Accelerated Bridge Construction and Design of the Camp Creek-Single Span PPCB Bridge and Old Man's Creek- 3-Span Continuous Rolled Steel Bridge on IA 1 Jesse Peterson - Iowa Department of Transportation	The Design And Construction of Bear Creek Crossing Railroad Bridge Irving, Texas *Christian Ray - Jacobs George Avalos - Dallas Area Rapid Transit	Experimental Study on Flexural Behaviors of Steel-UHPC Waffle Plate Composite Beam *Jinsong Zhua - Tianjin University Xiaoyu Guo Yongguang Wang	Spun Pipe Piles – A Time Saving Alternative to Micropiles *Theresa McAuliffe - McFarland Johnson, Inc. Thomas Kendrick - McFarland Johnson, Inc.	Development of a Low-Logistics, Rapidly Deployable Hybrid Composite-Concrete Bridge Girder System *Anthony Diba - University of Maine Habib Dagher - University of Maine Bill Davids - University of Maine	Durability of GFRP Bars in Bridges with 15 to 20 Years in Service *Vanessa Benzecry - University of Miami Antonio Nanni - University of Miami Douglas Gremel - Owens Corning Infrastructure Solutions
4:10-4:40 PM	Weekend Replacement - Routes 1/9 & 46 over Jones Road *Agnieszka Lapinski - Gannett Fleming, Inc. Thomas Zink - Gannett Fleming, Inc.	Construction Sequencing for Separating Highway-Rail Grade Crossings with Minimal Interruption to the Railroad *Art Ivantchouk - ART Engineering Inc. Alaina Polkii - ART Engineering Inc.	Rib Scale Approach to Investigate the Bond Performance of Reinforcement in Ultra-High Performance Fiber Reinforced Concrete *Fabien Lagier - Polytechnique Montreal Aude Rosini - SNC-Lavalin	Enhanced Demolition Prediction via Computer Simulation *Ali Bakhtiari - Florida International University Seung Lee - Florida International University	Lightweight Modular Accelerated Bridge System for Managed Car Lanes *Saurabh Mittal - Horner & Shifrin	Practical Guidance for Designing Lightweight Concrete Bridges – The FHWA Lightweight Concrete Design Primer Reid W. Castrodale - Castrodale Engineering Consultants