

MAINTENANCE & ROADWAY OPERATIONS WORKSHOP

INCLUDES:

- ▶ IBTTA Board & Committee Meetings
- ▶ Annual Foundation Service Project



HARRISBURG, PENNSYLVANIA

HOSTED BY:



PROGRAM

JUNE 24-26, 2018

HILTON HARRISBURG

MAINTENANCE & ROADWAY OPERATIONS WORKSHOP

Welcome to Harrisburg! This Workshop is an opportunity to share and collaborate on innovative ideas and established best practices in maintaining and servicing world-class roadways. Sessions are divided along Management and Technical tracks. The topics include a back-to-basics look at bridges and asset management to practical maintenance and construction innovations and emerging technology as well as incident and emergency management and repair.

Prior to the Workshop, the IBTTA Board of Directors will meet on Friday and Saturday, June 22-23, 2018. The IBTTA Foundation Annual Service Project will take place on Sunday, June 24, 2018.

ABOUT OUR HOST



The Pennsylvania Turnpike Commission operates and maintains 552 miles of toll roads in the state. It oversees 68 fare-collection facilities, 17 service plazas and 27 maintenance facilities. With more than 2,000 employees, it generated \$1.1 billion in annual toll revenue from 200.3 million vehicles in fiscal year 2017. Known as "America's First Superhighway," it opened October 1, 1940. To learn more, visit www.paturnpike.com.

IBTTA MEETINGS APP



Scan this QR code with your smartphone to download the IBTTA Meetings app



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Network Name: Hilton Honors
Password: Harrisburg2018

CERTIFICATION/PROFESSIONAL DEVELOPMENT HOURS

IBTTA recognizes the need for professional engineers and planning professionals to demonstrate continuing professional competency in their respective fields and earn certification maintenance (CM) credit or professional development units (PDU). IBTTA will provide interested attendees with a certificate of attendance following the workshop.

ABOUT IBTTA

The International Bridge, Tunnel and Turnpike Association (IBTTA) is the worldwide association for the owners and operators of toll facilities and the businesses that serve them. Founded in 1932, IBTTA has members in 26 countries on six continents. Through advocacy, thought leadership and education, members are implementing state-of-the-art, innovative user-based transportation financing solutions to address the critical infrastructure challenges of the 21st Century.

MEETING PLANNING GROUP

CO-CHIEF MEETING ORGANIZERS



Timothy Scanlon, P.E.
Pennsylvania Turnpike Commission
Harrisburg, PA



Larry Bankert, Jr., P.E., PTOE
Michael Baker International
Harrisburg, PA

TRACK TEAM LEADERS

Management Track

Keith Mullins, Gannett Fleming

Technical Track

Rob Fischer, New Jersey Turnpike Authority

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Chris Warren
HDR | ICA

Jeff Weiss
Gannett Fleming

Jim Wilson
TransCore, LP

Kary Witt
HNTB Corporation

HOTEL INFORMATION

Hilton Harrisburg
One North Second Street
Harrisburg, PA 17101
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www.IBTTA.org/harrisburg



BADGES: Badges are required to gain entry into all sessions. In consideration of other attendees, please wear your name badge to all scheduled functions.

White: Delegate (Member)

Blue: Companion/Guest

Yellow: Media

Orange: Delegate (Non-member)

Green: Exhibitor

CERTIFICATION MAINTENANCE: IBTTA will forward a certificate of attendance to all who sign the attendance form at the IBTTA registration desk.

COMPETING EVENTS: It is against IBTTA policy for other organizations to schedule events or meetings during the program.

CONSIDERATIONS: During the meeting, please silence all cellular phones and take side conversations outside of the room.

DRESS: Business or business casual is encouraged for all sessions.

MEDIA: Members of the media are permitted to attend sessions only and can be identified by green ribbons on their badges.

MEMBER PUBLICATIONS AND COLLATERAL: All members of IBTTA are welcome to place their publications in the registration area.

NEW ATTENDEES: First-time attendees will have an aquamarine ribbon attached to their badge. New IBTTA members will have purple ribbons. Get to know your new colleagues and help introduce them to other IBTTA members.

PRESENTATIONS: Presentations authorized for distribution will be available to IBTTA members only on IBTTA's website within two weeks following the meeting.

RECORDING OF SESSIONS: Personal recording of any session is strictly prohibited. IBTTA reserves the right to video and record sessions for future repurposing.

REGISTRATION FEES AND EVENT TICKETS: Delegate and Speaker fees include all meals, functions and sessions. Tickets may be available to evening and other events.

SATISFACTION SURVEY: Please help IBTTA improve future meetings by completing the survey that will be emailed to you following the conference.

SPECIAL ACCOMMODATIONS: If you need special accommodations to fully participate in IBTTA events, please notify the staff at the IBTTA registration desk.

SPONSOR INFORMATION: Please support our generous sponsors and exhibitors by reviewing the Sponsor and Exhibitor section of this program as well as the material tables in the registration area.

NEW DESIGNATION!

Leadership Academy Alumni

BOARD & COMMITTEE MEETINGS

FRIDAY JUNE 22, 2018

8:30am – 11:30am

EXECUTIVE COMMITTEE MEETING *(William Penn Boardroom)*
(By invitation)

8:30am – 12:30pm

PLATINUM SPONSORS ADVISORY COUNCIL *(Harrisburger A/B)*
(By invitation)

3:00pm – 5:00pm

COMMITTEE MEETINGS *(Juniata/Delaware)*

5:30pm – 7:00pm

RECEPTION *(Federal Taphouse Second Floor)*

SATURDAY JUNE 23, 2018

7:00am – 8:30am

BREAKFAST *(Allegheny/Susquehanna)*

8:00am – Noon

COMMITTEE MEETINGS *(Juniata/Delaware)*

Noon – 1:00pm

LUNCH *(Allegheny/Susquehanna)*

1:00pm – 5:00pm

BOARD OF DIRECTORS MEETING *(Juniata/Delaware)*

SUNDAY JUNE 24, 2018

7:00am – 3:00pm

EXHIBIT SET-UP *(Lancaster/Getty/Carlisle)*

7:15am – 4:00pm

SERVICE PROJECT

MILK & HONEY FARMS

Meet in the 2nd floor Harrisburg Ballroom Foyer at 7:15am to pick up your t-shirt, sign the required release form and grab coffee and a breakfast sandwich before departing. Visit www.IBTTA.org/harrisburg and click on the Service Project tab for details.

8:00am – Noon

TECHNICAL TOUR

PENNSYLVANIA ON THE LEADING EDGE OF TECHNOLOGY

Meet in hotel lobby at 7:45am.

6:00pm – 7:30pm

REGISTRATION *(Harrisburg Ballroom Foyer)*

6:00pm – 7:30pm

RECEPTION WITH EXHIBITORS *(Lancaster/Getty/Carlisle)*

MONDAY JUNE 25, 2018

7:00am – 5:30pm

REGISTRATION *(Harrisburg Ballroom Foyer)*

7:00am – 8:30am

BREAKFAST WITH EXHIBITORS *(Lancaster/Getty/Carlisle)*
(for all registered attendees)

8:30am – 9:00am

GENERAL SESSION

OPENING REMARKS

(York/Lebanon)

Patrick Jones, Executive Director & CEO, IBTTA, Washington, DC

Tim Stewart, Executive Director, E-470 Public Highway Authority and President, IBTTA, Aurora, CO

Mark Compton, CEO, Pennsylvania Turnpike Commission, Harrisburg, PA

Leslie Richards, Secretary of Transportation, Pennsylvania Department of Transportation and Commission Chair, Pennsylvania Turnpike Commission, Harrisburg, PA

Larry Bankert, P.E., PTOE, Associate Vice President, Toll Services and Co-Chief Meeting Organizer, Michael Baker International, Harrisburg, PA

Tim Scanlon, P.E., Director of Traffic Engineering and Operations and Co-Chief Meeting Organizer, Pennsylvania Turnpike Commission, Harrisburg, PA

9:00am – 10:30am

GENERAL SESSION

WHEN BAD THINGS HAPPEN TO GOOD BRIDGES – A DEEP DIVE INTO THE DELAWARE RIVER TURNPIKE BRIDGE

Bridges large and small are critical components of our transportation network. In recent years, we have seen exciting advances in the design, construction and preservation of bridges. New procurement methods, accelerated bridge construction and innovative demolition methods have streamlined the bridge replacement process. Unfortunately, we have also seen outright failures of bridges, so as our bridges age, preventive maintenance and rehabilitation become even more critical.

MODERATOR: Kary Witt, P.E., Vice President, HNTB Corporation, San Francisco, CA

Emergency Repair of the Full-Depth Truss Chord Fracture to the Delaware River Turnpike Bridge connecting PA/NJ Turnpikes

James Stump, P.E., Bridge Engineer Manager, Pennsylvania Turnpike Commission, Harrisburg, PA and Bill Wilson, P.E., Bridge Engineer, New Jersey Turnpike Authority, Woodbridge, NJ

Construction of the Emergency Bridge Repair of the Truss Chord Fracture to the Delaware River Turnpike Bridge

Otto Schatz, P.E., Senior Vice President, Cornell & Co., Westville, NJ

Design of the Emergency Repair of the Truss Chord Fracture to the Delaware River Turnpike Bridge

Martha Bogle, P.E., Structural Services Department Manager, Associate Vice President and Richard Schaefer, P.E., Chief Bridge Engineer NJ, Associate Vice President, HNTB Corporation, Parsippany, NJ

10:30am – 11:00am

REFRESHMENT BREAK WITH EXHIBITORS *(Lancaster/Getty/Carlisle)*

11:00am – 12:30pm

BREAKOUT SESSIONS

TECHNICAL TRACK

(York/Lebanon)

BRIDGE PREVENTATIVE MAINTENANCE & PRESERVATION

Around the world, there are great examples of how innovative bridge preventative maintenance and preservation strategies and solutions have helped extend the useful life of structures. This session presents examples of the functionality of “protective elements” such as protective coatings, wearing surfaces, joints, etc. over the long term. Panelists will also discuss the preservation of “core/structural elements” throughout the entire life of the bridge and what organizations are doing to extend the useful life of structures using new and innovative products, processes and systems.

MODERATOR: Maria Connolly, P.E., Director of Transportation Operations, Florida's Turnpike Enterprise, Ft. Lauderdale, FL

Construction on the New Tappan Zee Bridge

Jamey Barbas, P.E., Project Director, Governor Mario M. Cuomo Bridge, New York State Thruway Authority, Tarrytown, NY

A Practical Design Approach to Main Cable Dehumidification

Jonathan Morey P.E., Structural Engineer, Ammann & Whitney, Louis Berger's Long Span Bridge Division, Edgewood, MD

Bridge Preservation, Silane Penetrating Sealers; the First Defense in Bridge Protection

Tim Woolery, Vice President, Sales, Advanced Chemical Technologies, Oklahoma City, OK

MANAGEMENT TRACK

(Leland)

SAFETY SERVICE PATROL ROUNDTABLE – REDUCING THE INCIDENT MANAGEMENT TIMELINE

Although incident prevention is the ultimate goal with any agency, what does your agency do when a traffic incident does happen, to get it cleared quickly? Traffic Incident Management (TIM) guidelines have been developed with the focus of detecting, verifying, responding and clearing incidents and returning traffic back to normal conditions. This will be a roundtable session with multiple agencies describing best practices related to service patrols and the use of technology.

MODERATOR: Sam McClain, Vice President of Sponsorship, Travelers Marketing, Orlando, FL

Eric Hemphill, P.E., Director of System and Incident Management, North Texas Tollway Authority, Plano, TX

Jason Josey, HERO Manager, Georgia Department of Transportation, Atlanta, GA

Sal Cowan, Director, Traffic Operations, New Jersey Department of Transportation, Trenton, NJ

Scott Yinger, Deputy Director, Operations, Maryland State Highway Administration, Baltimore, MD

Kevin Devine, Statewide TIM Program Coordinator, Colorado Department of Transportation, Denver, CO

Steven Mednis, Incident Manager, Illinois Tollway, Downers Grove, IL

12:30 – 2:00pm

LUNCH WITH EXHIBITORS

(Lancaster/Getty/Carlisle)

(for all registered attendees)

2:00pm – 3:30pm

BREAKOUT SESSIONS

TECHNICAL TRACK

(York/Lebanon)

THE FUTURE OF ROADWAY SAFETY

Roadway safety practices are constantly evolving throughout the world as new applications are studied and more advanced technology is developed. Presenters will look at the current use of connected vehicles through work zones from a pilot program, implementation of increased data collection to prevent incidents and the development of an industry accessible research track to test new safety procedures and equipment.

MODERATOR: Bob LaGatta, P.E., Senior ITS/Tolling Specialist, SNC Lavalin's Atkins Business, Charlotte, NC

PA Turnpike Connected Vehicle Work Zone Pilot

Mike Pack, Manager of Incident Management and Turnpike Operations, Pennsylvania Turnpike Commission, Harrisburg, PA

Pennsylvania Safety Transportation and Research Track (PennSTART)

Troy Truax, AICP, Senior Associate, Planning Department Manager, Michael Baker International, Harrisburg, PA

Joseph Sutor, P.E., Planning Manager & Acting Environmental Manager, Pennsylvania Turnpike Commission, Middletown, PA

Eric T. Donnell, Ph.D., Director, Thomas D. Larson Pennsylvania Transportation Institute, PennState College of Engineering, University Park, PA

MANAGEMENT TRACK

(Leland)

ASSET MANAGEMENT – BACK TO BASICS

Asset Management is a series of processes that link the agency mission, goals and objectives with the lifecycle maintenance and management of infrastructure. This can be a daunting task that often involves cultural change within an organization. Hear how these agencies are dealing with the challenges and what worked to achieve early and long-term success.

MODERATOR: John Benda, Senior Technology Project Manager, HNTB Corporation, Chicago, IL

Cradle to Grave: Challenges in Changing the Asset Handover Process at MTA Bridges & Tunnels

Wayne Francisco, Associate, GHD Consulting Inc., Charlotte, NC and **Stephen Jansky**, Deputy Director of Preventative Maintenance, MTA Bridges & Tunnels, New York, NY

Initiatives for Inspection, Maintenance & Management of the Network

Paolo Berti, Chief Operating Officer, Autostrade per L'Italia, Rome, Italy

PennDOT's Maintenance-IQ Enhances Asset Management & Operations

Nate Reck, Director of Government Solutions, GeoDecisions, A Division of Gannett Fleming, Harrisburg, PA

AGENDA

3:30pm – 4:00pm

REFRESHMENT BREAK WITH EXHIBITORS *(Lancaster/Getty/Carlisle)*

4:00pm – 5:30pm

BREAKOUT SESSIONS

TECHNICAL TRACK

(York/Lebanon)

ROADWAY DESIGN CHALLENGES

As we look to the future of surface transportation and toll collection/road user charging, the design of our roadways & interchanges and their operation must be commensurate with one another. The introduction of new technologies, connected vehicles, as well as conversion to all-electronic tolling and managed lanes on aging toll facilities, presents design challenges to not only rehabilitate the old and design the new, but to incorporate how these changes are communicated to the road users. This session will focus on how owners and operators have addressed these design challenges, resulting in successful implementations and the lessons learned.

MODERATOR: Michael Holder, P.E., Regional Vice President, Transportation Services, Gannett Fleming, Camp Hill, PA

New Expansion and Design Challenges on The Turner Turnpike

Joe Echelle, P.E., MBA, Assistant Executive Director, Maintenance, Engineering & Construction, Oklahoma Turnpike Authority, Oklahoma City, OK

Unique Design Elements of the Virginia Express Lanes

Rob Kerns, P.E., Project Development and Delivery Manager, Transurban (USA), Tysons Corner, VA

Active Traffic Management: Design & Operations Challenges

Jim Powell, P.E., PTOE, Principal & Regional Team Leader, CDM, Smith, Lisle, IL

Express Lanes Signing in Florida


Cristina Dos Santos, P.E., Traffic Plans Engineer, HNTB Corporation, Ocoee, FL

MANAGEMENT TRACK

(Leland)

CURRENT AND FUTURE CHALLENGES TO FINDING, TRAINING AND KEEPING A GOOD QUALITY WORKFORCE

The Times they are a Changin'! The days of placing an employment ad in the local paper and receiving a handful of qualified resumes from which to choose the perfect candidate has come and gone. In many fields, finding qualified candidates to fill niche roles means proactively searching for and recruiting them. There are many factors that go into a worker's decision to give you a chance. Do you find someone with the right education and training or should you create your own training program? Learn about the many challenges our industry faces when it comes to attracting and keeping a solid workforce.

MODERATOR:  Peter Merfeld, P.E., Chief Operations Officer, Maine Turnpike Authority, Portland, ME

Modern Winter Maintenance Management in Austria, the Human Factor – Is it All About Training?

David Kollenhofer, Project Consultant, Road Operations and Maintenance, ASFINAG, Petersbaumgarten, Austria

An Overview – Veterans' Employment and Training Programs Around the Country

Mark Toal, National Veterans' Employment Manager, U.S. Department of Labor, Washington, DC

Working with the Painters Union/Other Unions

Eric Offenberger, P.E., LEED AP, Director of Engineering, Rhode Island Turnpike and Bridge Authority, Jamestown, RI

6:30pm – 9:30pm

EVENING EVENT AT THE STATE MUSEUM OF PENNSYLVANIA

Event is within walking distance. Meet in the hotel lobby at 6:15pm for a short walk to 300 North Street. Check out local Appalachian Bluegrass band, The Jakob's Ferry Stragglers.

Sponsored by: 

TUESDAY JUNE 26, 2018

7:00am – 3:00pm

REGISTRATION

(Harrisburg Ballroom Foyer)

7:00am – 8:30am

BREAKFAST WITH EXHIBITORS

(Lancaster/Getty/Carlisle)


(for all registered attendees)

8:30am – 10:00am

GENERAL SESSION

PRACTICAL USES OF EMERGING TECHNOLOGY *(York/Lebanon)*

New technologies and unique solutions to common problems emerge every day. In the past, we have discussed the future, looked at new and innovative products and solutions and envisioned an improved reality. Now we have practical examples of the use of these technologies that can assist in the reduction of maintenance costs, protect our investment, cut development costs as well as increase safety on our toll roads and bridges. This session will focus on the preparation and practical uses of emerging technologies as well as, share what is possible today to reduce infrastructure maintenance and operations costs, improve customer and employee safety and the customers' experience.

MODERATOR:  Jim Wilson, PMP, Senior Vice President, TransCore, Orlando, FL

Vehicle Trajectories for Improved Operations

Nikola Ivanov, Deputy Director, University of Maryland CATT Lab, Baltimore, MD

Using a Machine Learning Rideshare Algorithm to Forecast Transportation as a Service (TaaS) Adoption

Craig Bettmann, Senior Vice President, Client Solutions, Cogensia, Schaumburg, IL

Structural Monitoring as an Internet of Things (IoT) Service – Results from a Pilot Study

Nathaniel Dubbs, Ph.D., P.E., Associate Vice President of Testing & Monitoring, BDI, Forth Washington, PA and Marielle Lafaire, Business Development Associate, machineQ, Philadelphia, PA

Early Detection Strategies for the Pennsylvania Turnpike Commission

John Parker, Traffic Operations Project Manager, Pennsylvania Turnpike Commission, Harrisburg, PA

10:00am – 10:30am


REFRESHMENT BREAK WITH EXHIBITORS *(Lancaster/Getty/Carlisle)*

10:30am – Noon

GENERAL SESSION

COLLABORATIVE APPROACHES TO EMERGENCY & TRAFFIC INCIDENT MANAGEMENT *(York/Lebanon)*

Because of new technologies and the changing environment in which we live, Traffic Management Centers (TMCs) are continually evolving. This session will focus on the vision for TMCs of the future and how they have evolved from traffic centers to a fully integrated operational center with not only incident monitoring, but also the collaboration with first responders such as police, fire, towing and other local and state agencies.

MODERATOR:  **Jeff Heilstedt**, Vice President, Transportation Regional Business Line, Leader, AECOM, Chicago, IL

Taking TMCs to the Next Level

Bob Edelstein, Ph.D., P.E., Senior Vice President, ITS Practice Leader, AECOM, Pompano Beach, FL

Keep Central Texas Moving

Fabiola Newman, Traffic & Incident Manager, Central Texas Regional Mobility Authority, Austin, TX

Institutional Cooperation – Managing Major Critical Events at the National Level

Alessandro Musmeci, Technical and International Affairs Division, AISCAT, Rome, Italy

Hurricane Irma Evacuation Traffic Management

John Easterling, P.E., PTOE, District Traffic Operations Engineer, Florida Department of Transportation, Florida's Turnpike Enterprise, Pompano Beach, FL

Noon – 1:00pm

LUNCH WITH EXHIBITORS *(Lancaster/Getty/Carlisle)*
(for all registered attendees)

1:00pm – 1:30pm

SPECIAL PRESENTATION

THE RAY – LET'S DRIVE THE FUTURE *(York/Lebanon)*



The Ray is a proving ground for the evolving ideas and technologies that will transform the transportation infrastructure of the future, and it starts on 18 miles of West Georgia's I-85. There, The Ray is piloting new technologies and innovations that generate renewable energy, increase roadway safety, lower infrastructure maintenance cost, and beautiful the road. www.theray.org

Allie Kelly, Executive Director and **Harriet Langford**, President, The Ray, Atlanta, GA

1:30pm – 3:00pm

GENERAL SESSION

INNOVATION IN CONSTRUCTION & REPAIR MAINTENANCE TECHNIQUES & DELIVERY *(York/Lebanon)*

Every day, transportation agencies are faced with numerous construction and maintenance challenges in order to meet the needs of their customers. The goal of this session is to highlight innovative technologies and practices that accomplish one or more of the following: increase efficiency, reduce construction time, reduce life-cycle costs, improve safety, improve quality, have less impacts to traffic, extend the service life of highways and bridges and enhance customer satisfaction. Hear about case studies in the areas of accelerated construction, innovative contracting practices and delivery methods.

MODERATOR: **Larry Bankert, P.E., PTOE**, Associate Vice President, Toll Services, Michael Baker International, Harrisburg, PA

ABC... Not Quite as Easy as 1-2-3: The Winthrop Street Bridge Case Study

Kristi Van Ooyen, P.E., Engineering Program Manager, Maine Turnpike Authority, Portland, ME

Accelerated Bridge Construction on the Pennsylvania Turnpike

Walter Wimer, P.E., Senior Engineer Project Manager, Pennsylvania Turnpike Commission, Middletown, PA

Pavement Management System Informs Decision Making for New Jersey Turnpike Authority

Lamis Malak, P.E., Supervising Engineer, New Jersey Turnpike Authority, Woodbridge, NJ

3:00pm

ADJOURN

3:30pm – 6:00pm

SPECIAL TRAINING SESSION

SHRP 2 (STRATEGIC HIGHWAY RESEARCH PROGRAM) TRAINING *(York/Lebanon)*

Preparing emergency responders, 911 operators and others to respond to emergencies requires planning and communications; this planning starts before an emergency incident happens. This course is the new SHRP2 National Traffic Incident Management Training course that is geared towards planners and emergency responders. This training will teach about highway survival, unified command and the importance of great communications. This course includes a tabletop exercise that will go over various roadway emergency scenarios.

TRAINERS: **Todd Leiss**, Traffic Incident Management Coordinator and **David Wolfe**, Eastern & Central Regional Traffic Incident Management Coordinator, Pennsylvania Turnpike Commission, Middletown, PA



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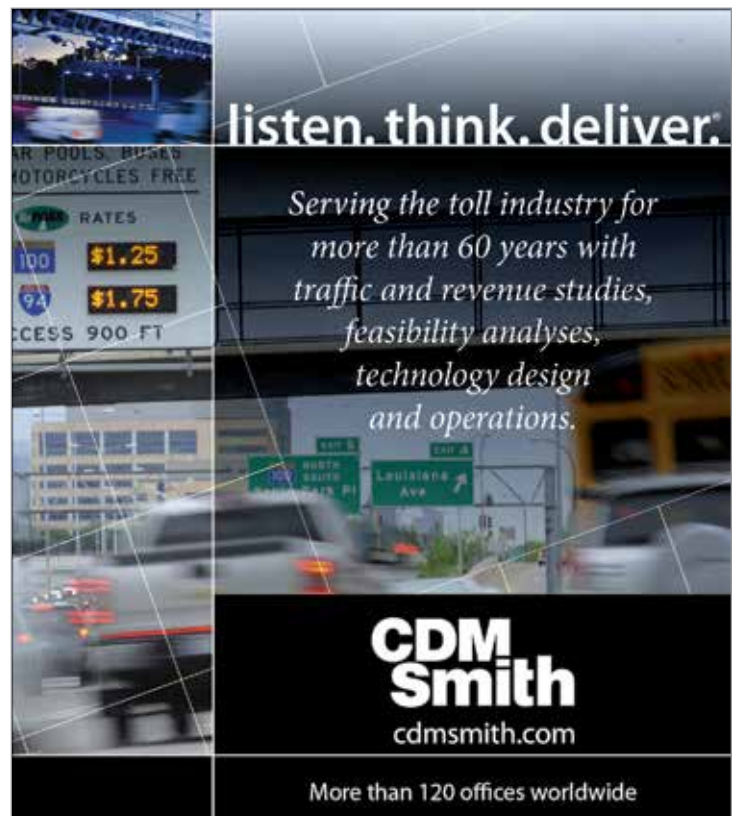
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TOP: New Jersey Turnpike Authority 6 to 9 Widening | LEFT: LBJ Express, Dallas | RIGHT: Miami Dade Expressway Authority

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For over 100 years, Gannett Fleming has shaped transportation infrastructure, connecting people and communities around the world. We provide public and private industry clients with extensive planning, design, and construction management services of transportation systems. Adept at alternative delivery methods, we have worked on some of the largest design-build projects across the country. At the forefront of innovative strategies and financing methods to improve system performance and financial sustainability, Gannett Fleming provides user-based transportation solutions that address today's challenges and advance future mobility. With expertise in tolling and other pricing systems, we help deliver electronic, open-road, variable and dynamic tolling, real-time traffic data, and GPS-based systems. Additionally, our turnkey solutions reduce administrative burden, accelerate projects, provide a single point of responsibility, and, in some cases, achieve faster revenue collection for owners. Gannett Fleming's entire team works together to deliver excellence to every project, every day. www.gannettfleming.com

EXHIBITORS



AgileAssets is a leading global provider of infrastructure asset management software for public agencies and private companies, featuring the industry's broadest selection of modules and most advanced analytical technologies. AgileAssets software meets the toughest management requirements—while delivering the highest possible return on infrastructure investments by providing a comprehensive, integrated software suite to agencies throughout the world to maximize asset condition, maintenance budgets, and long-term lifecycles. In use by 22 state departments of transportation across the US and in 13 countries, AgileAssets' proven solutions enable a systematic process for the complete lifecycle management of infrastructure assets. With more than 28 years of experience, AgileAssets is a recognized leader in helping overcome ever-present budget constraints to make agencies more effective with their investments while saving money, time and lives. www.agileassets.com



Member of the SNC-Lavalin Group

Data Transfer Solutions, LLC. (DTS), a member of the SNC-Lavalin Group, is a nationally recognized leader in Intelligent Asset Management and Geospatial Solutions. Started as a

Geographic Information Systems solutions provider in 2006, DTS is committed to client success for all levels of government and the private sector. Makers of VUEWorks® Software, DTS is the industry leader in performance-based asset management with our enterprise software solution that is configurable and scalable and that offers a system of record to be relied upon. VUEWorks includes data linking for integration with existing systems, is both GIS-centric and facilities based and has work management and inventory capabilities. DTS offers a fleet of highly equipped Mobile Asset Collection vehicles to gather and process asset information efficiently. When a solution is not readily available, our agile-based Software Development provides custom software development services – examples include award-winning Enterprise Portals, industry specific solutions and responsive user-designed solutions. www.dtsgis.com



EMSEAL contributes to the preservation and sustainability of the built environment. EMSEAL is the leading innovator and manufacturer of premium preformed expansion joints for bridges. EMSEAL uniquely solves changes in plane, terminations, and transitions with factory-fabricated universal-90 units,

kickouts, and custom pieces to ensure a watertight seal.

www.emseal.com



Hydro-Technologies, Inc. is a leader in concrete removal of various structure types through the use of controlled high pressure water jets. Hydro-Technologies, Inc., in particular, specializes in bridge deck restoration through a process called "Fast Track" Hydrodemolition, in which weakened or deteriorated concrete is selectively removed, and a very roughened and etched surface is created for the effective bonding of a latex modified concrete overlay. This provides a cost effective process for restoring deteriorating bridge decks in a shortened time period. Through a combination of hydrodemolition and a latex modified concrete overlay system, a long term preservation of bridge decks can be achieved, by extending out the deck life 25 years and beyond. www.hydro-technologies.com



Kueper North America is the exclusive distributor in North America for Kueper specialty snow plow cutting edges, now used in over 45 states and 8 Provinces. Our blades are made to outperform and outlast traditional steel, carbide, rubber and polyurethane plow edges meaning better cleaning and less downtime in your plowing operations. Certain Kueper edges may also be used on specialty coatings and structures found on bridges and other unique operational environments. www.kueperblades.com



Lindsay Transportation Solutions is the manufacturer of The

Road Zipper System™ and the world leader in moveable barrier technology. The Road Zipper is used for both construction and managed lanes applications. It is used to create additional highway capacity, relieve traffic congestion, and provide positive barrier separation between opposing lanes of traffic. The Road Zipper reconfigures the roadway based on peak traffic demand, borrowing lanes from the off-peak direction to improve traffic flow in the peak direction. LTS also manufactures a full line of highly reusable, cost-effective crash cushions, specialty barriers, and guardrail terminal end products. www.lindsaytransportation.com



MBT-1® Strong, highly mobile barriers for temporary work zones, mobile operations and incident management. Improves safety, efficiency and traffic flows. Drives at speed and simply parks to work. Fully integrated and self-contained with on board power, lights, decks, storage, signage, TMA and other options. Available for sale, lease or rent. www.mobilebarriers.com



Multilink is an engineering and product development based manufacturer ITS/DOT network components serving the traditional DOT and Toll Road operators with a complete line of ITS and Traffic cabinets, Line interactive and double conversion power supplies and fiber optic connectivity products. This enables us to offer the capability of a complete turnkey supplier to the end user. www.gomultilink.com

EXHIBITORS



NEXCO-Central is a Japanese company with a 60-year experience at every stage of highway projects such as design, construction, operation, tolling, maintenance & rehabilitation, and rest area management. Our network in operation is 2,073 km, including great arteries linking Tokyo, Nagoya and Osaka, and its daily traffic volume reaches 1.94 million. As one of the corporate missions, we have been committed to developing innovative technologies over decades to improve O&M performance. Now, we seek a way to join projects in North America and primarily focus on pavement management technology. We believe our consulting service regarding inspection, evaluation and maintenance planning will add value to and reduce costs of your pavement management. global.c-nexco.co.jp/solutions



Perceptics engineers and delivers the most accurate high performance imaging systems in the industry. For more than 35 years we have designed vehicle identification and license plate recognition products that serve the Border Security, Electronic Toll Collection, Commercial Vehicle Enforcement, and Highway & City Security markets. Our solutions are optimized for the revenue collection demands of tolling, providing more reliable automation capabilities to reduce the cost of collecting tolls. With imagers that can read plates other systems may not, and an OCR engine that learns from ongoing exposure to the widest possible range of plate types from across North America, Perceptics delivers performance you can truly bank on. Contact us to learn more about our imaging products and services, including our new G7x imager and OCR Cloud service, and their impact on ETC. www.perceptics.com



Phoscrete is an easy-to-use, fast-setting, long-lasting MALP Concrete that bonds strong to repair damaged concrete. Phoscrete is traffic (or sealant) ready in 30 minutes! Find out if Phoscrete is a good fit for your concrete repair projects. www.phoscrete.com



Through relentless innovation, PSS products make work zones safer for drivers and workers. Introduced this year, RoadQuake® RAPTOR™ Rumble Strip Handling Machine, transports, deploys, realigns and retrieves RoadQuake® 2F Temporary Portable Rumble Strip (TPRS) in work zones. Introduced in 2014, RoadQuake 2F TPRS alerts drivers, especially distracted drivers, in work zones. Drivers feel the vibration when crossing RoadQuake Rumble Strips; they hear the “bumpety-bump” sound at the same time. Those vibrations and sounds tell drivers that road conditions will soon change. Drivers and passengers are safer in work zones because of RoadQuake. With RAPTOR, workers deploy and retrieve RoadQuake from the safety of their work vehicle. Workers no longer perform those functions by hand in live traffic. Workers are safer in work zones because of RAPTOR. See RoadQuake & RAPTOR at the IBTTA Technical Tour on Sunday, June 24, from 8 am – Noon. Or visit us during the conference! www.PSS-Innovations.com



For more than 80 years, Swenson has lead the industry providing innovative snow and ice control equipment for municipal, government, and private markets. With smart spreaders, v-box spreaders, tailgate spreaders, dump bodies, APB combination bodies, and liquid application solutions Swenson is sure to have the right solution to meet your winter maintenance needs. www.aebi-schmidt.com



Through the collective acquisition of several premier brands including Energy Absorption, Safe-Hit®, and Yodock®, Trinity Highway is an industry leader and global supplier of commercial highway products. Our core product lines include guardrail, end terminals, cable and steel longitudinal barriers, crash cushions, truck and trailer mounted attenuators, water-filled barricades, sign supports, and delineators. Trinity Highway, Trinity Highway International, and Trinity Highway Rentals offers a broad range of products that have been tested, approved, and accepted for reimbursement under established federal and state safety guidelines. Trinity Highway sells its proprietary products throughout the U.S., Canada, and Mexico and to more than 100 international markets. www.trinityhighway.com



Versilis is dedicated to the development of innovative solutions that maximize road safety while minimizing impact on traffic flow. Our flagship product is the SwiftGate, a highway traffic gate that was designed by Versilis traffic engineers to allow safe and effective highway lane closure. It is used for reversible HOV/toll lane and on-ramp/off-ramp access control as well as for bridge/tunnel emergency or maintenance closures. It is the most advanced traffic gate solution on the market. Substantial in size, this highly visible traffic gate with LED lighting sends a clear message that a lane is closed. The system offers various local and remote control & monitoring options. The gate has been crash tested to NCHRP 350 requirements to ensure motorists safety. Tested and proven in the most adverse environmental conditions, this gate is there to last. www.versilis.com



Founded in 1978, Wausau Equipment Company, Inc. is a leading manufacturer of heavy-duty snow removal and ice-control equipment for the highway, airport, and rail markets. Products include severe service snowplows, hitches and wing systems, rotary brooms, loader- and truck- mounted snow blowers, spray anti-icing/deicing systems and high-velocity air movers. Wausau also manufactures truck mounted tunnel washers. Currently, Wausau employees more than one hundred twenty people at its 167,000 square foot fabrication plant in New Berlin, Wisconsin and its 28,000 square foot assembly plant in Fond Du Lac, Wisconsin. In May 2014, Wausau Equipment Company, Inc. was acquired by Alamo Group Inc. Founded in 1969, Alamo Group Inc. (NYSE: ALG) is a leader in the design, manufacture, distribution and service of high quality equipment for infrastructure maintenance, agriculture and other applications. www.wausauequipment.com

IBTTA EVENTS CALENDAR*

JULY

Summit on Finance & Policy
July 22-24, 2018 | Portland, OR | www.IBTTA.org/portland

SEPTEMBER

Global Tolling Summit
September, 5-7, 2018 | Salzburg, Austria | www.IBTTA.org/salzburg

OCTOBER

86th Annual Meeting & Exhibition
October 14-16, 2018 | Baltimore, MD | www.IBTTA.org/baltimore

MARCH 2019

AET, Managed Lanes & Technology Summit
March 31-April 2, 2019 | Orlando, FL | www.IBTTA.org/orlando

SEPTEMBER 2019

87th Annual Meeting & Exhibition
September 15-17, 2019 | Halifax, Nova Scotia, Canada | www.IBTTA.org/halifax

OCTOBER 2019

Global Tolling Summit of Portugal
October 27-29, 2019 | Lisbon, Portugal | www.IBTTA.org/lisbon

* All information subject to change.



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