

MAINTENANCE & ROADWAY OPERATIONS WORKSHOP

FEATURING:

- ▶ Annual Service Project
- ▶ Technical Tour of Post-Katrina Storm Surge Barrier
- ▶ ASCE Report Card

Hosted by:



IBTTA
TOLLING. MOVING SMARTER.



MAY 21-23, 2017
NEW ORLEANS, LA

PROGRAM

MAINTENANCE & ROADWAY OPERATIONS WORKSHOP

Welcome to New Orleans! IBTTA is excited to be back in New Orleans for the first time since 2008. This meeting is an opportunity to hear from experts who will share innovative ideas and best practices that will help to improve our maintenance and roadway operations. In addition to our General Sessions, exploring topics such as Security & Threat, Drones, Impacts of Connected Vehicles and a Post-Katrina New Orleans – we'll break out into more focused tracks on Maintenance and Roadway Operations covering topics such as asset management, bridge and tunnel maintenance, work zone safety and active traffic management. Lastly, we have an exciting technical tour, a packed exhibit hall featuring new and innovative products and we kick off our time in New Orleans with our annual Foundation service project to help a local veteran's community. We hope your visit to New Orleans will be filled with time for networking and learning and allow you to take back new ideas to implement at your own organization!

– The Meeting Planning Group

ABOUT OUR HOST



Louisiana Department of Transportation & Development – DOTD serves the transportation and water resource needs of Louisiana residents, businesses and government partners. We are committed to teamwork, quality, integrity, professionalism, innovation and excellence in serving our customers.

VISION: To be a leader moving Louisiana forward.

MISSION: To deliver transportation and public works systems that enhance quality of life and facilitate economic growth.

VALUES: We are committed to earning the public's trust, holding to the highest moral, ethical and professional standards.

People – We respect our coworkers for their dedication, skills, diversity and responsible actions.

Excellence – We strive for high quality, ensuring the best product possible in a timely manner.

Leadership – We embrace our responsibilities and empower our people to succeed.

Public Service – We respond to the needs of our citizens, communities and partners in a timely manner.

Accountability – We take responsibility for our performance.

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 20 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.

TECHNICAL TOUR

TECHNICAL TOUR POST-KATRINA STORM SURGE BARRIER

Sunday, May 21, 2017

8:00am – 11:00am

Afternoon tour cancelled.

CANCELLED



MEETING PLANNING GROUP

Co-Chief Meeting Organizers



Jeff Heilstedt
AECOM



Eric Hemphill
North Texas Tollway Authority

Track Teams/Leaders

| | |
|--------------------------|---------------------------------|
| <i>Maintenance Track</i> | <i>Roadway Operations Track</i> |
| Chris Warren | Larry Bankert |
| HDR ICA | Michael Baker International |

Service Project Leaders

| | | |
|------------|--------------|------------|
| John Mike | David Raines | Jim Wilson |
| Perceptics | RS&H | TransCore |

Meeting Planning Group

| | |
|---|---|
| Paolo Andrea Berti Autostrade per l'Italia | Robert LaGatta Atkins N.A. |
| Gianmarco Angeletti Autostrade per l'Italia | James Laurita Gannett Fleming |
| Richard "Trey" Baker WSP USA | Roland Lavallee HNTB Corporation |
| Allen Beck Atkins N.A. | Lauren Meek Stantec Consulting Services Inc. |
| Eric Becker Kansas Turnpike Authority | Peter Merfeld Maine Turnpike Authority |
| John Benda HNTB Corporation | Nicola Napolitano Autostrade per l'Italia |
| Randolph Brown RK&K | George Nyikita Pennoni Associates Inc. |
| Amy Burlarley-Hyland DBi Services, LLC | Eric Offenberg Rhode Island Turnpike and Bridge Authority |
| John Cannell Maine Turnpike Authority | Douglas Prager Jacobs Engineering Group |
| Mario Cecchi WSP USA | Richard Raczynski RJ Raczynski Consulting LLC |
| Maria Connolly Florida's Turnpike Enterprise | Scott Rundell Louisiana Department of Transportation & Development |
| Scott Cooper HNTB Corporation | Gregory Stone Maine Turnpike Authority |
| Robert Fischer New Jersey Turnpike Authority | Raymond Szcucki Chubb |
| Chad Gill Faneuil, Inc. | Ali Vaezi Dewberry |
| Mark Hicks RS&H | Kristi Van Ooyen Maine Turnpike Authority |
| Kris Keith HNTB Corporation | |
| David Kollenhofer ASFINAG | |

HOTEL INFORMATION

LOCATION

Royal Sonesta New Orleans
300 Bourbon Street
New Orleans, LA 70130
Phone: 1-504-586-0300



IBTTA MEETINGS APP



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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.

AGENDA

SUNDAY MAY 21, 2017

8:00am – 3:00pm

EXHIBIT SET-UP

(South Ballroom/Foyer)

8:00am – 11:00am

TECHNICAL TOUR

Post-Katrina Storm Surge Barrier
(Meet outside Regal Suite, Lobby Level, near the Conti Street entrance of the hotel, at 7:30am. Coaches will leave promptly at 8:00am.)



8:00am – 4:00pm

IBTTA FOUNDATION SERVICE PROJECT

Bastion Veterans Community
(Meet in the hotel lobby at 7:30am. Coaches leave promptly at 8:00am)



5:00pm – 7:00pm

REGISTRATION

(Grand Ballroom Foyer)

5:30pm – 7:00pm

WELCOME RECEPTION WITH EXHIBITORS *(South Ballroom/Foyer)*
(in the hotel)

MONDAY MAY 22, 2017

7:00am – 5:30pm

REGISTRATION

(Grand Ballroom Foyer)

7:00am – 8:30am

BREAKFAST WITH EXHIBITORS

(for all registered attendees) *(South Ballroom/Foyer)*

8:30am – 9:00am

GENERAL SESSION

OPENING REMARKS

(North Ballroom)

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

Scott Rundell, Director of Tolling Operations, Louisiana Department of Transportation & Development (DOTD), Baton Rouge, LA



Dr. Shawn Wilson, Secretary, Louisiana Department of Transportation & Development (DOTD), New Orleans, LA

Jeff Heilstedt, Vice President, National Tolls Group, AECOM, Chicago, IL
and Eric Hemphill, Director of System and Incident Management, North Texas Tollway Authority, Plano, TX, **Co-Chief Meeting Organizers**

9:00am – 10:30am

GENERAL SESSION

POST-KATRINA: AN UPDATE

(North Ballroom)

Join us for this moderated discussion on post-Katrina New Orleans and its surrounding areas from the perspective of current and former members of DOTD's leadership team. This panel is comprised of those who were directly involved in the response to Katrina's devastation and the aftermath, reflecting on their personal stories and eyewitness accounts of some of the life-changing events that happened, as well as how people responded both immediately and in the long term. We'll discuss the challenges that faced the public and first responders, and what lessons were learned during the process of cleanup and rebuilding and how the demographics of the region change as the city and state rebuilt from the storm.

MODERATOR: Rodney Mallett, Public Relations Director, DOTD, Baton Rouge, LA

Jean Vossen, Chief of the Engineering Division, New Orleans District, Army Corps of Engineers, New Orleans, LA

Robert Turner Jr., Regional Director, Southeast Louisiana Flood Protection Authority East, New Orleans, LA

Gordon Nelson, Former Assistant Secretary of Operations, DOTD, Baton Rouge, LA

Mike Stack, P.E., Former District 02 Administrator, DOTD, New Orleans, LA

Vincent Latino, DOTD Deputy Engineer Administrator, DOTD, Baton Rouge, LA

Stephen Glascock, ITS Engineer Director, Baton Rouge, DOTD, Baton Rouge, LA

Chris Morvant, Assistant Secretary of Operations, DOTD, Bridge City, LA

10:30am – 11:00am

REFRESHMENT BREAK WITH EXHIBITORS *(South Ballroom/Foyer)*

11:00am – 11:30am

INFRASTRUCTURE REPORT CARD

(North Ballroom)

Brian Pallasch, CAE, Managing Director, Government Relations and Infrastructure Initiatives, American Society of Civil Engineers, Washington, DC

11:30am – 1:00pm

GENERAL SESSION

THREAT & SECURITY ASSESSMENTS IN MAINTENANCE OPERATIONS

SHRM | 1.50
(North Ballroom)

The media regularly carries news reports on hacking and the finger pointing at the perpetrators. The Bureau of Justice Statistics has found that 67% of businesses have detected at least one or more cybercrimes. Yahoo discloses 1 billion accounts hacked, Nov 28, 2016. The Muni system in San Francisco, was hacked by ransomware demanding 100 Bitcoin (~\$73,000). Toll roads are not immune to these attacks and targets go beyond electronic collection and credit card security. Maintenance is being tasked to maintain and protect the assets of toll roads, while the threats from cyber criminals adds another level of complexity to the maintenance picture. Many of the intrusions are perpetrated by unknown entities, preying on unsuspecting users and can be averted by training, awareness programs and current security measures.

MODERATOR: Bob LaGatta, Senior ITS/Tolling Specialist, Atkins N.A., Charlotte, NC

Cyber Security: Protecting Toll Road Systems and Components

Raymon Lange, Director of Software Engineering, Kapsch TrafficCom, Austin, TX

Personal Information – New Protection Requirements in New York & Rhode Island

Rush Taggart, Chief Security Officer, CardConnect, King of Prussia, PA

Embarking on Identity Theft Protection (PII)

Michael Bonsignore, Chief Technology Officer, Rhode Island Turnpike and Bridge Authority, Jamestown, RI

1:00pm – 2:00pm

LUNCH WITH EXHIBITORS

(South Ballroom/Foyer)

(for all registered attendees)

2:00pm – 3:30pm

BREAKOUT SESSIONS

MAINTENANCE TRACK

(North Ballroom)

Work Zone Safety

Recognizing that the work zones have a significant impact on the traveling public and the source of revenue for agencies, we must strike a balance between work zone safety and minimizing the impact to the public. This session will explore this balance by looking at innovations and techniques used to better inform and implement work zones.

MODERATOR: Jeff Heilstedt, P.E., Vice President, National Tolls Group, AECOM, Chicago, IL

Improving Safety in “Mobile” Work Zones: A Best Practice on Italian Highways

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

Work Zone Safety Initiatives

Tim Scanlon, P.E., Director of Traffic Engineering and Operations, Pennsylvania Turnpike Commission, Harrisburg, PA

A 360° Approach to Keeping Work Zones S.A.F.E.

Amitis Meshkani, Assistant Director of Maintenance, North Texas Tollway Authority, Plano, TX

ROADWAY OPERATIONS TRACK

(Evangeline B/C)

Resiliency/Sustainability “Open House”

The effect of climate change and variability and the impact of catastrophic incidents have seemingly become much more prevalent in recent history. With each response to every new incident/challenge, the collective understanding of how to be well prepared and to effectively react to these challenges should continue to grow. Sharing these experiences has allowed many infrastructure owners to develop a more robust preparedness, and enhance the resiliency of their assets and systems, with an eye on continuing to optimize their infrastructure through sustainable engineering practices. This special session will allow participants to explore and share case studies and lessons learned from toll agency owners/operators in a unique open house format. Attendees will make the rounds and talk one-on-one or in small groups with various agency representatives about how they responded to a particular incident or disaster.

SESSION ORGANIZER: Jim Laurita, Senior Vice President, Gannett Fleming, New York, NY

OPEN HOUSE PARTICIPANTS:

ASFINAG

David Kollenhofer, Road Operations & Maintenance, Vienna, Austria

Central Texas Regional Mobility Authority

Tim Reilly, Director of Operations, Austin, TX

Kapsch TrafficCom

Mark Moser, Installation and Maintenance Operations Manager, Kyle, TX

Pennsylvania Turnpike Commission

Craig Shuey, Chief Operating Officer, Harrisburg, PA

Halifax Harbour Bridges

Gord Helm, Operations Manager, Dartmouth, Nova Scotia, Canada

The Port Authority of New York & New Jersey

Louis Post, P.E., PMP, Senior Program Manager, Tunnels, Bridges and Terminals Department, New York, NY

South Jersey Transportation Authority

Stephen Dougherty, Executive Director, Hammonton, NJ

Georgia Department of Transportation

John Hibbard, P.E., Operations Division Director, Atlanta, GA

3:30pm – 4:00pm

REFRESHMENT BREAK WITH EXHIBITORS (South Ballroom/Foyer)

AGENDA

4:00pm – 5:30pm

BREAKOUT SESSIONS

MAINTENANCE TRACK

(North Ballroom)

Innovation and Technology in Maintenance

Around the country there are great examples of how innovative products and solutions have streamlined maintenance processes and procedures and reduced long term maintenance costs. This session will provide examples of how various agencies have implemented new and innovative products, processes and systems with a focus on benefits achieved and lessons learned. Panelists will present how toll agencies around the world have included these products and solutions as well as look at how best to adapt these innovations to our industry in the future.

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

LED Retrofit on the NJ Turnpike and Garden State Parkway

Robert Fischer, P.E., Chief Engineer, New Jersey Turnpike Authority, Woodbridge, NJ *and* **Anthony Bartello, P.E.**, Manager of Electrical/ITS Technologies, HNTB Corporation, Fairfield, NJ

Introduction of Innovative Rest Area Cleaning – ASFINAG's New Program on How to Optimally Serve Customers

David Kollenhofer, Road Operations & Maintenance, ASFINAG, Vienna, Austria

Performance Based Maintenance Contracting

Ryan Brown, P.E., Senior Traffic Engineering Manager, Jacobs Engineering Group/FTE, Ft. Lauderdale, FL *and* **John Easterling, P.E.**, Traffic Operations Engineer, Florida's Turnpike Enterprise, Ft. Lauderdale, FL

Criterion for a Safe, Sustainable LED Retrofit in a Challenging Environment

Michael Brereton, U.S. Tunnel Transit Sales Segment Manager, Schröder Lighting, New York, NY

Innovations in Structural Health Monitoring (SHM)

Nathan Dubbs, Ph.D., P.E., Practice Leader, Monitoring of Performance and Risk, Intelligent Infrastructure Systems, Philadelphia, PA *and* **Phillip Adams**, Bridge Manager, Burlington-Bristol Bridge & Tacony-Palmyra Bridge, Burlington County Bridge Commission, Palmyra, NJ

ROADWAY OPERATIONS TRACK

(Evangeline B/C)

Innovations in Toll Operations

AET has been around now for over a decade and while the concept is not new, the technology, operations and innovations supporting AET are changing every day. Whether you have a first generation AET system or contemplating a conversion to AET this session is for you. Panelists will showcase groundbreaking roadside solutions from a Maintenance & Roadway Operations perspective that highlight new equipment and their applications, as well as modern approaches to managing traffic during and after AET conversions and use of ITS solutions and emerging violation enforcement tools now that the gates have been removed.

MODERATOR: Scott Cooper, Vice President, National Toll Practice Consultant, HNTB Corporation, Houston, TX

Lessons Learned: MassDOT's Conversion to All-Electronic Tolling

Stephen Collins, Director of Tolling, Massachusetts Department of Transportation, Boston, MA

Rapid Alert System (RAS) Toll Enforcement

Calvin Harvey, Deputy Administrator of Incident Management, Harris County Toll Road Authority, Houston, TX

Mitigating Leakage with Open Road Tolling and Declining Transponder Penetration Rates

Jason Schmer, Chief Strategy Officer, Gila LLC d/b/a Municipal Services Bureau, Austin, TX

6:30pm – 9:30pm

EVENING EVENT – HOUSE OF BLUES: 225 DECATUR STREET

3 blocks from the hotel. Meet in the hotel lobby at 6:20pm to walk over together.

TUESDAY MAY 23, 2017

7:00am – 3:00pm

REGISTRATION

(Grand Ballroom Foyer)

7:00am – 8:30am

BREAKFAST WITH EXHIBITORS

(for all registered attendees)

(South Ballroom/Foyer)

8:30am – 10:00am

GENERAL SESSION

CONNECTED VEHICLES – IMPACTS ON OUR INFRASTRUCTURE AND ROADWAY OPERATIONS

(North Ballroom)

The future is accelerating toward us at an ever-increasing speed. Technology that once seemed only a science fiction storyboard is imminent. Driverless Vehicles, Automated Vehicles, Connected Vehicles all once thought of as light years away are now roaming our roadways. This session will focus on the potential impacts of these new CV technologies on the toll industry and how will they affect the operation and maintenance of our toll roads, bridges and tunnels. Our panel of CV experts will identify and discuss the top issues facing the toll industry.

MODERATOR: Martin Stone, Ph.D., AICP, Chief Operating Officer, Business Development, Egis Projects, Tampa, FL

Jim Wilson, PMP, Senior Vice President, Regional Manager TransCore, LP, Orlando, FL

Bob Edelstein, Vice President, AECOM, Pompano Beach, FL

Suzanne Murtha, Project Director, Atkins N.A., Alexandria, VA

David Raines, Tolls Technology Senior Specialist, RS&H, Austin, TX

Joe Averkamp, Senior Director, Conduent, Germantown, MD

10:00am – 10:30am

REFRESHMENT BREAK WITH EXHIBITORS

(South Ballroom/Foyer)

10:30am – Noon

BREAKOUT SESSIONS

MAINTENANCE TRACK

(North Ballroom)

Using Asset Management – Bridge and Tunnel Maintenance

Bridges and tunnels are significant investments in an agency's infrastructure. Structures that are not adequately maintained become a safety concern and more expensive to repair over time. This session will explore asset management strategies for managing and maintaining bridges and tunnels to maximize the performance of the assets while minimizing the life cycle costs. Strategies may be simple or complex, for transportation systems small or large, but all efficiently manage valuable information essential for evaluating bridges and tunnels and assist the owner in decision-making for planning and management of the entire infrastructure network.

MODERATOR: Chris Warren, Director of Operations, HDR | ICA, Orlando, FL

Life Cycle Asset Management Strategy for Impact Attenuators

David Kraft, AEM Program Director, *and* **Christian Quashie**, Senior Maintenance Planner, MTA Bridges and Tunnels, New York, NY

Integrated Asset Management

Bridget Malinowski, P.E., Deputy Project Manager, AECOM, Chicago, IL

How is Bridge Inspection Used with Maintenance Activities to Make it More Efficient?

Wayne Francisco, Office Manager, GHD Inc., Charlotte, NC *and* **Mildred Chua**, Vice President and CFO, MTA Bridges and Tunnels, New York, NY

Quantifying the Return on Investment of Alternative Long-Term Bridge Preservation Strategies?

Abhishek Bhargava, Solution Architect, AgileAssets, Austin, TX

ROADWAY OPERATIONS TRACK

(Evangeline B/C)

Active Traffic Management

Infrastructure in the United States is at a critical point where there is limited funding to do vast expansion projects and there is uncertainty about the need for more capacity with emerging technologies. Toll agencies are not immune to this dilemma. Many agencies are turning to Transportation Systems Management & Operations (TSMO) to maximize what already exists or to minimize the improvements required to meet the current capacity needs. As part of TSMO, toll agencies have taken measures to manage traffic through Active Traffic Management and Time of Day or Dynamic pricing. Couple these efforts that are being utilized now with the look into the future that includes Smart Cities and Communities, Highly Automated Vehicles, and Connected Vehicles, toll agencies need to identify a plan and act rather than react to changing conditions.

MODERATOR: Eric Hemphill, Director of System and Incident Management, North Texas Tollway Authority, Plano, TX

Smart Traffic Management System

Lara Moura, Head of Research and Innovation, Brisa Innovation and Technology, Porto Salvo, Portugal

The Past, Present and Future of Incident and Active Traffic Management on the Ohio Turnpike

Chris Matta, Maintenance Engineer, Ohio Turnpike and Infrastructure Commission, Berea, OH

Noon – 1:00pm

LUNCH WITH EXHIBITORS

(South Ballroom/Foyer)

(for all registered attendees)

1:00pm – 1:30pm

GENERAL SESSION

AASHTO'S "MANUAL FOR ASSESSING SAFETY HARDWARE"

(North Ballroom)

Dean Alberson, Texas Transportation Institute, College Station, TX

1:30pm – 3:00pm

GENERAL SESSION

DRONES – FROM CRITICAL INFRASTRUCTURE INSPECTION TO SURVEYS, ASSESSMENTS AND INCIDENT MANAGEMENT

(North Ballroom)

Since the Federal Aviation Administration (FAA) published rules and regulations regarding the operation and use of Unmanned Aerial Vehicles or Drones, there have been increasing discussions regarding their application in a multitude of areas such as wildlife surveys and drainage assessments, to Incident Management and Haz-Mat surveillance. Bridge inspections, as we heard from MnDOT at last year's conference is a prime candidate, and MnDOT plans to perform LIDAR data capture of a bridge structure this year.

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

Drones Save Time & Money in RITBA's Inspection Program

Eric Offenber, P.E., LEED AP, Director of Engineering, Rhode Island Turnpike and Bridge Authority, Jamestown, RI *and* **Matthew Sullivan**, Project Engineer, WSP, Charlton, MA

Drones Support Operations and Maintenance – A Service Provider's Perspective

Joshua Barnett, Co-Founder & President, Drone Dispatch, Austin, TX

Drone Uses LiDAR to Document MnDOT's Historic 3rd Avenue Bridge

Adam Horn, Senior Geospatial Technology Engineer *and* **Jeff Siegel**, Vice President, Technology Solutions Center Director, HNTB Corporation, Kansas City, MO

PA Turnpike's UAS Program for Improved Traffic Operations

Timothy Scanlon, P.E., Director of Traffic Engineering and Operations, Pennsylvania Turnpike Commission *and* **Mike Davidson, P.E.**, Project Manager, RK&K, Harrisburg, PA

3:00pm

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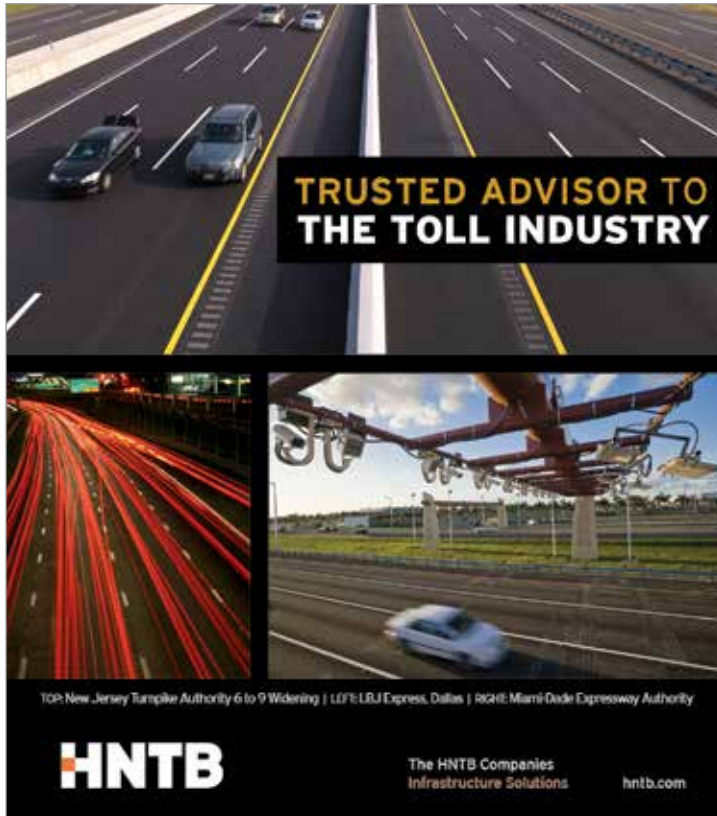


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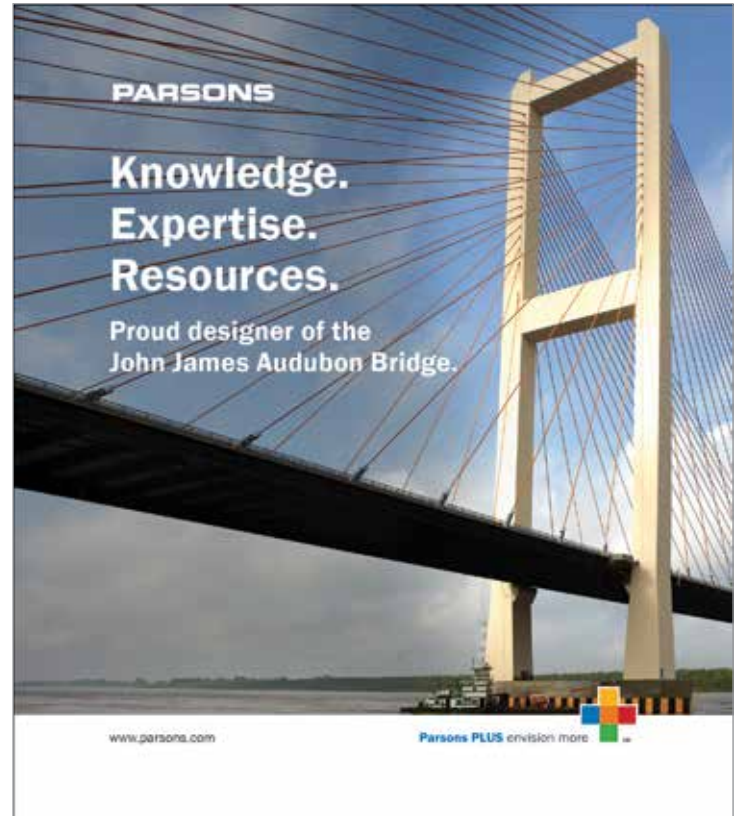


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TOP: New Jersey Turnpike Authority 6 to 9 Widening | LEFT: LBJ Express, Dallas | RIGHT: Miami-Dade Expressway Authority

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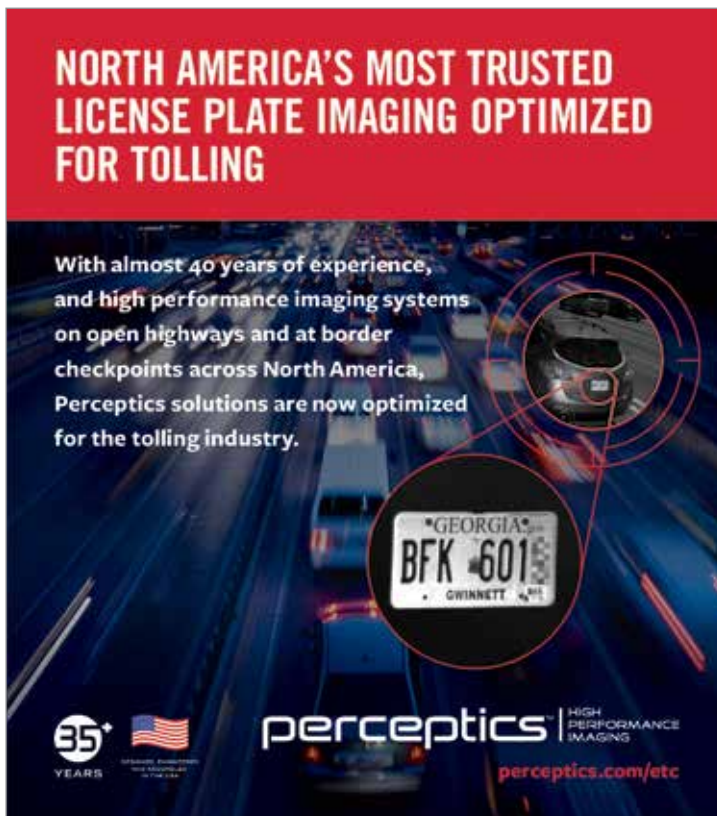


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agencies. Our proven technologies optimize the decision making process, which enables our clients to more effectively and efficiently manage and maintain their infrastructure assets including—roads, bridges, facilities, fleets, equipment, telecom, traffic signals, traffic signs and more. www.agileassets.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



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. BSI 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



NEXCO-Central is a major P3 player in Japan and has over 60-year experience at every stage of an expressway project such as construction, maintenance, inspection &

repair and rest area management. Our network in operation is 2,063 km, and its daily traffic volume reaches 1.91 million. Traffic and road asset management are our hallmarks. We have achieved Active Traffic Management (ATM) to alleviate traffic congestions, and developed Pavement Management System (PMS) to pursue time and cost-effective O&M management. Now, NEXCO-Central seeks way to contribute to P3 projects in North America. We provide added value to road projects with our innovative technologies and expertise. global.c-nexco.co.jp





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. Today, our high performance imaging systems are optimized for the revenue collection demands of electronic toll collection, providing more complete data capture, guaranteed accuracy, higher confidence levels, and 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 technologies and their impact on ETC. www.perceptics.com



As the proven world leader in ultra-high impact resistant channelizer posts, Pexco continues to "raise the bar" in durability and performance. Pexco's City Post family – the superior choice for Managed Lanes, toll plazas and other demanding applications – offers three mounting options: the original Spin-In, bolt-down Surface Mount, and our

new Glue Down version. Proven in independent testing to withstand 125 impacts at 70 MPH, there is no tougher post in the world. Pexco is recognized worldwide as a leading manufacturer of innovative traffic safety products, including FG 300 channelizer posts, turnpike and interstate grade lane separator curb systems, temporary pavement markers, guardrail and barrier reflectors, and pedestrian safety products. We continue to proudly live up to our motto: "Creating Products to Save Lives." www.pexco.com/traffic



PSS, formerly Plastic Safety Systems, designs, manufactures and markets innovative safety devices for roadway and pedestrian applications. Recent PSS innovations include RoadQuake® 2F Temporary

Portable Rumble Strip alerts distracted drivers in work zones; CRIB™ Cargo Carrier, for the transport, deployment and removal of RoadQuake 2F Rumble Strip; and BoardWalk Temporary Portable Modular Ramp and Platform provides accessible, detectable and safe guidance where temporary pedestrian access routes cross curbs. Visit us at our booth. We'll be glad to tell you about the glowing report our RoadQuake Temporary Portable Rumble Strip received in a report commissioned by the Pennsylvania Turnpike Commission! The PSS product line also includes sand barrels, drums, barricades, reflective fence and delineators. www.PSS-Innovations.com



For over 40 years, Trinity Highway and its brands Energy Absorption, Safe-Hit, and Yodock have been leading innovators of

solutions for both domestic and international roadways. The product lines include guardrail, cable barrier, crash cushions, end terminals, truck and trailer mounted attenuators, steel and water filled barriers, sign supports, flexible delineators, and other roadway products. www.trinityhighway.com



SPECIAL EVENTS

IBTTA FOUNDATION ANNUAL SERVICE PROJECT BASTION VETERANS COMMUNITY

Sunday, May 21, 2017

8:00am – 4:00pm

SERVICE PROJECT SCHEDULE

7:30am Meet in the Hotel Main Lobby. We will walk together to the coaches that will leave promptly at 8:00am.

8:00am Coaches Depart

8:15am Volunteer Arrival and Orientation

8:45am Work Time

11:30am Lunch*

12:15pm Work Time

4:00pm Coaches Depart for the Hotel

* Technical Tour participants working in the afternoon will join for lunch.

IBTTA Service Project 2017

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[bastion]
community of resilience

Rebuilding
Together.
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2017
SERVICE
PROJECT

NEW ORLEANS ★ IBTTA

EVENING EVENT HOUSE OF BLUES

Monday, May 22, 2017

6:30pm – 9:30pm

Fee: included in registration

- The evening event is open to registered delegates.
- The venue is walking distance from the hotel.

Join your friends and colleagues for a fun-filled evening at the House of Blues in New Orleans. We'll enjoy local food and drink and enjoy networking and reflecting on the day's events. This is a well-known New Orleans venue but the area we're in has just been redone and is something to behold. This is one evening you won't want to miss!



SAVE THE DATES

IBTTA 2017 EVENTS CALENDAR

JULY

IBTTA/TRB Joint Symposium on
Managed Lanes & AET
July 16-18, 2017 | Dallas, TX
IBTTA.org/dallas

SEPTEMBER

85th Annual Meeting & Exhibition
September 10-13, 2017 | Atlanta, GA
IBTTA.org/atlanta

OCTOBER

International Summit of Rome
October 15-17, 2017 | Rome, Italy
IBTTA.org/rome

IBTTA 2018 EVENTS CALENDAR*

JANUARY

Board & Committee Meetings
January 18-20, 2018 | Coral Gables, FL

FEBRUARY

Leadership Academy
February 11-16, 2018 | Washington, DC

MARCH

Global Summit
Spring 2018 | location tbd

APRIL

Summit on All-Electronic Tolling & Managed Lanes
Spring, 2018 | Location tbd

JUNE

Board & Committee Meetings
June 22-23, 2018 | Harrisburg, PA

Maintenance & Roadway Operations Workshop
June 24-26, 2018 | Harrisburg, PA
(see you next year!)

JULY

2019 IBTTA Conference Planning Meeting
July 21, 2018 | Portland, OR

Summit on Finance and Policy
July 22-24, 2018 | Portland, OR

OCTOBER

Board & Committee Meetings
October 12-14, 2018 | Baltimore, MD

86th Annual Meeting & Exhibition
October 14-17, 2018 | Baltimore, MD

www.IBTTA.org/events

*All information subject to change.

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CONCEPT TO COMPLETION

TTI delivers successful toll programs through a culture of innovation and pragmatic solutions.



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Strategic Planning
System Assessment
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