

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 – *(York/Lebanon)* 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 Offenberg, 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 Lafaie**, 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