

Maintenance & Roadway Operations Workshop

Where the Rubber Meets the Road

OKLAHOMA CITY

MAY 31-JUNE 2, 2015

Hosted by



**OKLAHOMA
TURNPIKE
AUTHORITY**



PROGRAM

International Bridge, Tunnel and Turnpike Association

Welcome to Oklahoma City!

Maintenance & Roadway Operations Workshop

Where the Rubber Meets the Road!

ABOUT OUR LUNCH ACTIVITIES



MONDAY LUNCH

Enjoy lunch with your colleagues and be sure to spend time with each of the exhibitors who are interested in showing you the latest in roadway maintenance and operations products and services.

During lunch, we'll have a short recognition presentation reflecting on our day of service at White Fields.

TUESDAY LUNCH

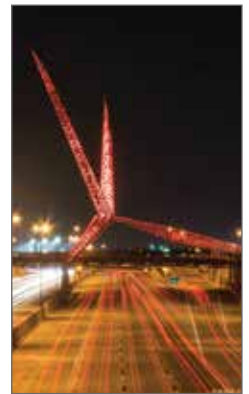
Special topic roundtables will be held during lunch. Attendees will choose a topic table, discuss questions surrounding that topic and share the results with the full group. And before you leave for the afternoon sessions, be sure and collect the cards and collateral from all of the exhibitors since they'll be winding down their booths after lunch.

ABOUT OUR HOST

OKLAHOMA TURNPIKE AUTHORITY



The Oklahoma Turnpike Authority (OTA) is responsible for administering and maintaining the state's ten turnpikes as well as managing toll operations, including the PIKEPASS program, an Electronic Toll Collection System (ETC) that provides totally automated, free-flow travel on all Oklahoma turnpikes at highway speeds. Join the Oklahoma Turnpike on Sunday morning for a technical tour.



SUNDAY SERVICE PROJECT

WHITE FIELDS

Sunday, May 31, 2015

8:00am – 4:00pm

Fee: \$50.00 per person

- Open to registered delegates and members of local IBTTA companies.
- Fee covers transportation, luncheon and work materials.
- Buses will load from the hotel lobby entrance 15 minutes prior to departure.



TECHNICAL TOUR

OKLAHOMA TURNPIKE AUTHORITY

Sunday, May 31, 2015

8:00am – 11:00am

Fee: \$30.00 per person

- Tour is open to registered delegates.
- Buses will load from the hotel lobby entrance 15 minutes prior to departure.



MONDAY EVENING

TAPWERKS IN OLD BRICKTOWN

Monday, June 1, 2015

6:00pm – 10:00pm

Fee: included in registration

- Bus will loop from the hotel lobby entrance beginning at 6:00pm.
- Dress is casual.
- Walking directions will be provided at registration desk.



TUESDAY EVENING

NIGHT AT THE CHICKASAW BRICKTOWN BALLPARK

Tuesday, June 2, 2015

Gametime: 7:05pm

Tickets: \$10.00 per person

- Oklahoma City Dodgers vs. Sacramento River Cats
- Reserved tickets will be distributed at registration desk.
- Participants will find their way to the Ballpark (a few blocks from the hotel).



MEETING PLANNING GROUP



Chief Meeting Organizer

Jim Wilson
TransCore

Track Leaders

Management Track

Eric Hemphill, North Texas Tollway Authority

Technical Track

Ali Vaezi, Dewberry

Dennis Albrecht
Ohio Turnpike and
Infrastructure Commission

Larry Bankert
Michael Baker International

Donald Bell
Traffic Technologies, Inc.

Randolph Brown
RK&K

Daniel Castrigano
Greenman-Pedersen, Inc.

Mario Cecchi
Parsons Brinckerhoff, Inc.

Maria Connolly
Florida's Turnpike Enterprise

Kevin Hoeflich
HNTB Corporation

John Jeffers
Burlington County Bridge
Commission

Mark Kalka
Oklahoma Turnpike
Authority

Robert LaGatta
Atkins N.A.

James Laurita
Gannett Fleming

David Machamer
Oklahoma Turnpike
Authority

Peter Merfeld
Maine Turnpike Authority

John Mike
Perceptics, LLC

Tyler Milligan
Milligan Partners LLC

George Nyikita
Pennoni Associates Inc.

Douglas Prager
Jacobs Engineering Group

Robert Reardon
Tampa-Hillsborough
Expressway Authority

Anna Salvagin
AECOM

Tim Stewart
Oklahoma Turnpike
Authority

Gregory Stone
Maine Turnpike Authority

Dennis Switaj
HDR

Raymond Szcucki
ACE USA

Christopher Warren
HDR | ICA

HOTEL INFORMATION

LOCATION

The Skirvin Hilton Oklahoma City
One Park Avenue
Oklahoma City, 73102
Phone: (405) 272-3040 | Toll-Free: (800) 445-8667
www.SkirvinHilton.com



IBTTA MEETINGS APP



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



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 posted 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.

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 more than 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.

AGENDA

SUNDAY MAY 31, 2015

8:00am – 4:00pm

SERVICE PROJECT – WHITE FIELDS

Meet in lobby at 7:45am

8:00am – 11:00am

TECHNICAL TOUR OF THE OKLAHOMA TURNPIKE

Meet in lobby at 7:45am

9:00am – 3:00pm

EXHIBIT SET-UP

6:00pm – 7:00pm

REGISTRATION

(Grand Ballroom Foyer)

6:00pm – 7:00pm

RECEPTION WITH EXHIBITS

MONDAY JUNE 1, 2015

7:00am – 8:30am

BREAKFAST

(Grand Ballroom A-D)

7:00am – 5:00pm

REGISTRATION

(Grand Ballroom Foyer)

8:30am – 9:00am

GENERAL SESSION

OPENING REMARKS

(Grand Ballroom EF)

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

Javier Rodriguez, Executive Director, Miami-Dade Expressway Authority and President, IBTTA, Miami, FL

Tim Stewart, Executive Director, Oklahoma Turnpike Authority, Oklahoma City, OK

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

9:00am – 10:30am

GENERAL SESSION

OKLAHOMA: GRADES, MAPS, PILOTS & PROJECTS

(Grand Ballroom EF)

MODERATOR: David Murdock, Assistant Director – Maintenance, Engineering & Construction, Oklahoma Turnpike Authority, Oklahoma City, OK

ASCE Report Card Focusing on Oklahoma

Jason Peek, Ph.D., P.E., Transportation Department Manager, City of Stillwater, Stillwater, OK

City of Oklahoma City MAPS Discussion

David Todd, P.E., Program Manager, City of Oklahoma City, OK

Jenks AET Pilot Program

Jeremy Boswell, P.E., Practice Director-Transportation, CP&Y, Oklahoma City, OK

ODOT Update

Troy Travis, P.E., Director of Engineering, Oklahoma Turnpike Authority, Oklahoma City, OK

OTA Upgrades Levels of Service

Steve Jacobi, P.E., Bridge Engineer, Oklahoma Department of Transportation, Oklahoma City, OK

10:30am – 11:00am

REFRESHMENT BREAK WITH EXHIBITS

11:00am – 12:30pm

BREAKOUT SESSIONS

MANAGEMENT TRACK

DOING MORE WITH LESS

(Grand Ballroom EF)

MODERATOR: Ginny Burcham, Construction and Maintenance Manager, Central Texas Regional Mobility Authority, Austin, TX

Reinventing the New Jersey Turnpike's Maintenance Facilities

Robert Fischer, P.E., Chief Engineer, New Jersey Turnpike Authority, Woodbridge, NJ

The Challenge of Meeting O&M Expectations vs. Keeping Costs Low – the Miami-Dade Expressway Authority (MDX) Experience

Jose Darsin, P.E., Executive Vice President, FDI Services, Ft. Lauderdale, FL

Applying Process and Technology to Maintenance of Managed Lanes

Stuart Rogers, Operations Manager, Kapsch TrafficCom, Dallas, TX

Working Towards Operational Efficiencies in Maintenance Between ITS and Tolling

Scott Doering, Vice President and Managing Director, TransCore, Houston, TX

TECHNICAL TRACK

USING SOCIAL MEDIA/NEW MEDIA

(Crystal Ballroom)

MODERATOR: Rachel Bell, Marketing & Communications Director, Kansas Turnpike Authority, Wichita, KS

Use of Crowd-Sourcing to Aid in Traffic Management – There's an App for That!

John Easterling, P.E., Traffic Operations Engineer, Florida's Turnpike Enterprise, Ft. Lauderdale, FL

Tim Scanlon, P.E., Director of Traffic Engineering and Operations, Pennsylvania Turnpike Commission, Harrisburg, PA
Joe Pajor, Deputy Director, Public Works & Utilities, City of Wichita, KS

12:30pm – 2:00pm

LUNCH

(Grand Ballroom A-D)

2:00pm – 3:30pm

BREAKOUT SESSIONS

MANAGEMENT TRACK

WEATHER INFORMATION YOU CAN USE

(Grand Ballroom EF)

MODERATOR: Jim Brady, P.E., Engineering Manager, E-470 Public Highway Authority, Aurora, CO

Virtual RWIS: Saving Costs with Real-Time Roadway Weather Information

Curt Beckemeyer, P.E., Senior Vice President, Transportation, Applied Research Associates, Inc., Champaign, IL

Use of RWIS in Florida

John Easterling, P.E., Traffic Operations Engineer, Florida's Turnpike Enterprise, Ft. Lauderdale, FL

In-Cab Weather Information You Can Use

Matt DeSimone, Vice President and Manager of Technology, iwapi, Inc., Golden, CO *and* **Michael McMahon**, Senior Hydro-Meteorologist, HDR Engineering, Denver, CO

Interagency Emergency Operations Support: Lessons Learned

Cory Greene, P.E., PTOE, Technical Manager II, Michael Baker Engineering, Inc., Middletown, PA

TECHNICAL TRACK

LATEST TECHNOLOGIES IN PAVEMENT & STRUCTURES

(Crystal Ballroom)

MODERATOR: Eric Becker, Director of Roadway Operations, Kansas Turnpike Authority, Wichita, KS

Super-Slab® Precast Pavement System

Dan Moellman, P.E., Senior Product Engineer, The Fort Miller Co., Inc., Schuylerville, NY

Tinted Concrete Used for Median Barrier on Iconic Newport Pell Bridge

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

The Maine Turnpike Authority's Implementation of an Inspection Program for Structural Supports of Highway Signs

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

Bridge Deck Scanning by Infrared Thermography

Masato Matsumoto, Executive Vice President, NEXCO-West USA, Inc., Vienna, VA

3:30pm – 4:00pm

REFRESHMENT BREAK WITH EXHIBITS

4:00pm – 5:30pm

GENERAL SESSION

PARTNERING WITH UNIVERSITIES – THE OPPORTUNITIES ARE BOUNDLESS

(Grand Ballroom EF)

MODERATOR: Trey Baker, Associate Research Scientist, Texas A&M Transportation Institute, Austin, TX

Gerald A. Miller, Ph.D., P.E., Rapp Presidential Professor, Associate Director, School of Civil Engineering & Environmental Science, Associate Director, Southern Plains Transportation Center, University of Oklahoma, Norman, OK

Nikola Ivanov, PMP, Deputy Director, Center for Advanced Transportation Technology Laboratory (CATT Lab), University of Maryland, College Park, MD

Dr. Elhami Nasr, PMP, Vice Provost, Academic Affairs, Florida Polytechnic University, Lakeland, FL

Bruce Russell, Ph.D., P.E., Associate Professor, Transportation Engineering, Oklahoma State University School of Civil & Environment Engineering, Stillwater, OK

6:00pm – 10:00pm

EVENING EVENT: TAPWERKS ALE HOUSE

Meet in lobby at 5:45pm

(see page 2 for details)

TUESDAY JUNE 2, 2015

6:30am – 7:15am

SUNRISE WALK

MURRAH BUILDING MEMORIAL SITE

Meet in lobby at 6:15am

A beautiful memorial commemorating victims of the 1995 Murrah Building bombing is a short walk from the hotel. To learn more about the Memorial, visit www.oklahomacitynationalmemorial.org.

7:00am – 3:30pm

REGISTRATION

(Grand Ballroom Foyer)

7:00am – 8:30am

BREAKFAST

(Grand Ballroom A-D)

8:30am – 9:00am

GENERAL SESSION

WELCOME REMARKS

(Grand Ballroom EF)

Gary Ridley, P.E., Oklahoma Secretary of Transportation, Oklahoma City, OK

Mike Patterson, Executive Director, Oklahoma Department of Transportation, Oklahoma City, OK

AGENDA

9:00am – 10:30am

GENERAL SESSION

ASSET MANAGEMENT – THE CHANGING LANDSCAPE

(Grand Ballroom EF)

MODERATOR: Chris Warren, P.E., Operations Director, HDR | ICA, Orlando, FL

Evolution of the First Generation of a Performance-Based Facilities Asset Maintenance Contract

Santiago Alvarez, Facilities Telecommunications Administrator, Florida's Turnpike Enterprise, Orlando, FL

Performance-Based Structures Asset Maintenance: A Key Strategy to Quantifying the Benefits of Bridge Maintenance

Robert Little, P.E., Bridge Inspection Services Manager, HDR | ICA Engineering, Orlando, FL

Integrated Bridge Asset Management System (ICOMPASS)

John Jeffers, Executive Director, Burlington County Bridge Commission, Palmyra, NJ

The TxDOT Experiences with O&M Agreements on the SH 130

Beau Buchanan, Project Manager, South Central Strategic Projects Office, TxDOT, San Antonio, TX

Performance Measurements During the Construction O&M Phase of the I-595 P3 Project

Chuck Henningsgaard, P.E., Senior Vice President, Roy Jorgenson & Associates, Buckeystown, MD

10:30am – 11:00am

REFRESHMENT BREAK WITH EXHIBITS

11:00am – 12:30pm

BREAKOUT SESSIONS

MANAGEMENT TRACK

PROTECTING THE PUBLIC

(Grand Ballroom EF)

MODERATOR: Tyler Milligan, Managing Partner, Milligan Partners LLC, Dallas, TX

Practical Roadway Safety Solutions

Gregory Stone, Director of Public Safety & Special Services, Maine Turnpike Authority, Portland, ME

Mobile Barriers: Improving Safety, Efficiency, & Traffic Flows in and Around Work Zones

Kevin Groeneweg, CEO and Chairman, Mobile Barriers LLC, Golden, CO

Improving the Safety of Mobile Lane Closures

Michael Harrell, P.E., Principal Engineer, Applied Research Associates, Inc., Champaign, IL

Deployment of Moveable Median Barrier on the Golden Gate Bridge

Kary Witt, Bridge Manager, Golden Gate Bridge, Highway & Transportation District, San Francisco, CA (via video conference)

TECHNICAL TRACK

TRAFFIC MANAGEMENT ADVANCEMENTS

(Crystal Ballroom)

MODERATOR: Ali Vaezi, P.E., Senior Vice President, Dewberry, Bloomfield, NJ

The Challenges of Operating Managed Lane Corridors with Dynamic Pricing

Belen Marcos, CEO, NTE Mobility Partners LLC, North Richland Hills, TX

Proactive Versus Reactive Traffic Management

Dennis Kelly, Operations Manager, Halifax Harbour Bridges, Halifax, Nova Scotia, Canada

Traffic Management on Managed Lanes

Nic Barr, Vice President, Operations, Transurban, Alexandria, VA

12:30pm – 2:00pm

LUNCH

(Grand Ballroom A-D)

2:00pm – 3:30pm

GENERAL SESSION

INCIDENT MANAGEMENT/INCIDENT RESPONSE

(Grand Ballroom EF)

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

Development and Implementation of a Crash Cluster

Remediation Process (a Roadway Safety Management System) for the Pennsylvania Turnpike Commission

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

RADAR Detection and Citations for Wrong-Way Driving

Robert Frey, Planning Director, Tampa-Hillsborough Expressway Authority, Tampa, FL

Towing and Recovery Incentive Program (TRIP)

Brian Purvis, P.E., Senior Incident Management Engineer, Parsons Transportation Group, Duluth, GA

3:30pm

MEETING ADJOURNS

7:05pm

GAMETIME

NETWORKING NIGHT AT THE BALLPARK

If you've enjoyed the full program and aren't flying home until Wednesday, join your friends and colleagues for an evening of networking and fun at the local minor league ballpark. (see page 2 or visit the Registration Desk for details)

When high performance is most critical, Accenture delivers.

Accenture is proud to offer proven innovative tolling technology that delivers improved customer service, modern financial accountability and greater operational efficiency and flexibility.

Strategy | Digital | Technology | Operations



AECOM



21st century tolling



solving today's roadway challenges.



From all-electronic tolling, interoperability and managed lane strategies, we're developing our clients' vision for a more mobile future.

No. 1 in Transportation by *Engineering News-Record*

aecom.com/tolling

ATKINS

Tolls
Transportation
Engineering
Construction
Environmental

Atkins delivers expertise in:

- Safe and efficient **AET Systems**
- **Managed Lanes** planning and implementation
- Comprehensive and cost effective **Toll System Procurement**
- **Emerging Technology**

Plan Design Enable

www.atkinsglobal.com/northamerica

800.477.7275

listen. think. deliver.

Your trusted partner in toll advancement through feasibility studies, technological innovations, design and P3 procurement.

CDM Smith

cdmsmith.com


offices worldwide

nextcity
for tolling

The Next Generation Tolling Management Platform

-- From the Leader in Intelligent Travel Systems

CUBIC
Intelligent travel made real™
cts.cubic.com



egis AROUND THE WORLD

GRUPE
Caisse
des Dépôts

WE LISTEN

TRUSTED ADVISOR to the toll industry

New Jersey Turnpike Authority's traffic management center

Miami-Dade Expressway Authority

San Diego's I-15 Express Lanes

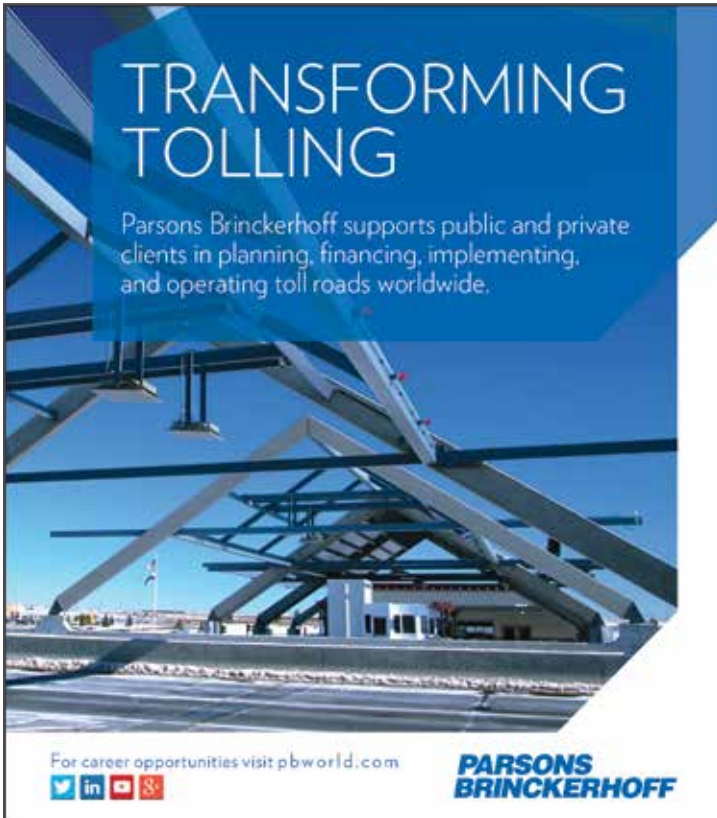
HNTB The HNTB Companies
Infrastructure Solutions
www.hntb.com

PARSONS

Asset management solutions.

TRISTATE TRANSPORTATION ASSET
MANAGEMENT SUPPORT SERVICES
Maine, New Hampshire, and Vermont
Departments of Transportation

www.parsons.com



TRANSFORMING TOLLING

Parsons Brinckerhoff supports public and private clients in planning, financing, implementing, and operating toll roads worldwide.

For career opportunities visit pbworld.com

PARSONS BRINCKERHOFF



perceptics HIGH PERFORMANCE IMAGING

EXCEEDING YOUR EXPECTATIONS

At Perceptics, we are a collaborative team and we stand behind our commitment to serve our customers, employees and communities. Whether it is through our dedication to exceed accuracy, performance and service expectations of our LPR technology or in giving back to our communities, we strive to make the world better and safer for those around us, by listening, caring and doing our best.

We are the imaging company that listens.

WE READ YOU LOUD AND CLEAR.

DESIGNED, ENGINEERED AND ASSEMBLED IN THE USA

35+
YEARS

perceptics.com



rsandh.com

COMPREHENSIVE SERVICES FOR TOLLS & MANAGED LANES

RS&H

ARCHITECTURE | ENGINEERING | CONSULTING



TRANSSCORE
Trusted Transportation Solutions

INTEGRATED Solutions

- Infinity Digital Lane System
- Integrity Back Office Platform
- TransSuite Advanced Traffic Management
- Radio Frequency Identification Technology

transcore.com


Oklahoma City



tti
CONSULTING


Planning
Design
Management

Tolling Solutions
www.tticonsulting.com




Uphold the Integrity of Your HOV and HOT Lanes

Xerox® Vehicle Passenger Detection System uses video analytics to identify the number of occupants in a vehicle, with better than 95% accuracy. Enforcing the regulations of your HOV/HOT lanes has never been this easy.



Scan here to watch a short video on XVPDS.

www.xerox.com/tolling



©2014 Xerox Corporation. All Rights Reserved. Xerox and Design are trademarks of Xerox Corporation in the United States and other countries. 04/2014

2015 IBTTA EVENTS CALENDAR*

JULY

Summit on All-Electronic Tolling, Managed Lanes & Interoperability
July 12-14, 2015 | Miami, FL | InterContinental Miami

AUGUST

Board & Committee Meetings
August 27-29, 2015 | Dublin, Ireland | DoubleTree Hilton

83rd Annual Meeting & Exhibition
August 30-September 2, 2015 | Dublin, Ireland | DoubleTree Hilton

OCTOBER

New Media, Communications & Human Resources Workshop
October 18-20, 2015 | Cleveland, OH | The Westin Cleveland Downtown

* All information subject to change.

EXHIBITORS



ADVANCED
CHEMICAL
TECHNOLOGIES, Inc.

Since 1977 Advanced Chemical Technologies (ACT) has been manufacturing Silane water repellents to "Protect the

Worlds Infrastructure." ACT has received 13 patents on Silane technology making ACT the leader in Silane technology and innovation. Advanced Chemical Technology has a complete offering of SIL-ACT™ Silane water repellents and has recently received a new patent on their Deck-Sil® system. The Deck-Sil® system is a uniquely compatible Silane/Epoxy technology that outperforms either technology for concrete rehabilitation. The Deck-Sil® system is breakthrough technology for reducing Preservation costs while providing superior concrete rehabilitation. Thousands of bridges across the globe have been protected with ACT's SIL-ACT™ Silane water repellents, still the most cost effective water repellent treatments on the market today!

www.advchemtech.com



NEXCO-Central is one of the biggest P3 players in Japan. It has more than 60 year experience with respect to construction, maintenance, inspection & repair and rest area operation. The total toll revenue

in FY 2013 was 4.25 billion USD and its network includes the Tomei and the Meishin Expressway, the most important artery with the heaviest traffic volume in Japan connects three major metropolitan cities. Our latest project (the Shin Tomei Express Project) was awarded at IBTTA 2014 because of its administrative and financial capability. NEXCO-Central has adopted the Long-Term Proactive Asset Management Approach based on finely worked-out inspection technologies, and road maintenance cost during this decade is 34% less than the last decade's. Now, NEXCO-Central seeks way to contribute to P3 projects in North America with its affluent experience and knowledge. global.c-nexco.co.jp/en/



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 40 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. For more information please visit: www.kueperblades.com or look for our information videos on YouTube under "Kueper Blades."



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.theroadzipper.com



Mobile Barriers 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



High-performance imaging systems, engineered for accuracy.

Perceptics designs and manufactures finely tuned, purpose-built license plate recognition (LPR) systems that take machine perception to a whole new level. For over 30 years, the U.S. government has trusted Perceptics LPR solutions for vehicle data collection at border crossings and security at some of the most highly sensitive facilities in the nation. Today, these high performance imaging systems are optimized for the revenue collection demands of electronic toll collection (ETC), 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 imaging technologies and their impact on ETC. www.perceptics.com



POLY-CARB, Inc. is a wholly owned subsidiary of The Dow Chemical Company. In 1973, POLY-CARB set out to serve society by providing high-quality,

environmentally safe solutions to combat infrastructure erosion problems. Today, Dow POLY-CARB is a 40+ year leader in both Bridge Preservation & Performance and Road Safety infrastructure solutions. FLEXOGRID™, a thin polymer overlay system, helps prevent the deterioration of bridge decks and extends the decks life by 15+ years. SAFE-T-GRID™ offers increased public safety by adding a high skid resistance surface to ramps, toll plaza, etc. Uregrid™ is a monolithic waterproofing membrane that protects bridge decks located underneath a layer of asphalt. With POLY-CARB's in-field expertise and Dow's advanced technology and science, Dow POLY-CARB is advancing infrastructure protection with performance based solutions, like Asset Preservation, that deliver unprecedented levels of performance and accountability to meet the rigorous demands we place on our infrastructures. www.poly-carb.com



Trinity Highway and its affiliates Energy Absorption, Safe-Hit, and Yodock are leading innovators of solutions for both domestic and

international roadways. Their product lines feature several proprietary products including guardrail, end terminals, cable barrier, crash cushions, truck and trailer mounted attenuators, steel and water filled barriers, sign supports, flexible delineators and other transportation products. www.trinityhighway.com

World-class toll projects

Our combination of resources, processes,
and knowledge gets you moving



Jacobs provides a full range of strategic professional services for the development, financing, and operations of toll/priced projects

We are one of the world's largest and most diverse providers of technical, professional, and construction services including all aspects of planning, architecture, engineering and construction, operations and maintenance, as well as scientific and specialty consulting. Jacobs serves a broad range of companies and organizations, including industrial, commercial, and government clients across multiple markets and geographies.

For more information contact:

Rick Gobeille, PE

NAI Consultancy Leader

(o) 212.946.2233 (c) 973.900.7080

rick.gobeille@jacobs.com

Architecture
Construction
Engineering
General Consulting
Maintenance
Operations
Planning
Scientific
Technical Services