

MAINTENANCE & ROADWAY
OPERATIONS WORKSHOP
PEOPLE, PARTNERSHIPS & PROGRESS

MAY 15-17, 2016

NEWPORT, RHODE ISLAND



HOSTED BY



PROGRAM

International Bridge, Tunnel and Turnpike Association

MAINTENANCE & ROADWAY OPERATIONS WORKSHOP

People, Partnerships & Progress

Welcome to Newport! Sharing ideas and best practices is a continuous process in serving and providing value to our customers. As operators we need to know what is going on our road so we can communicate with our customers in a timely basis. Collaboration with the entities and agencies that surround our facilities is key as most of our customers don't know or care where one jurisdiction ends and another takes over. We need to work with our service providers, law enforcement, contractors, consultants and their associations to balance risk, develop better specifications and assure we are getting the best value for projects and safest facilities.

ABOUT OUR HOST

RHODE ISLAND TURNPIKE AND BRIDGE AUTHORITY



The Rhode Island Turnpike and Bridge Authority was created in 1954 by the Rhode Island General Assembly as a body corporate and politic, with powers to construct, acquire, maintain and operate bridge projects as defined by law. The Authority has no stockholders or equity holders. It is directed by a five-member board of directors, four of whom are appointed by the governor. The Authority was responsible for construction of the Claiborne Pell Bridge (formerly the Newport Bridge) which was opened for traffic on June 28, 1969, and has been responsible for the operation and maintenance of the Mount Hope Bridge between Bristol and Portsmouth, Rhode Island, and the Claiborne Pell Bridge between Newport and Jamestown, Rhode Island, since 1964 and 1969, respectively. No tax dollars, federal, state, or local, are received by the Authority for debt service or expenses incurred in the operation and maintenance of the bridges and associated buildings and grounds. Rather, all obligations are satisfied with funds received in the form of toll revenue and investment income. www.ritba.org

SPECIAL EVENTS DURING THIS WORKSHOP

IBTTA FOUNDATION ANNUAL SERVICE PROJECT

May 15, 2016 | 8:00am – 5:00pm

This project will benefit the Fort Adams Trust, the Boys and Girls Club of Newport County and the James L. Maher Center supporting individuals with developmental disabilities.

IBTTA SPRING BOARD & COMMITTEE MEETINGS

May 18-19, 2016

This meeting will be held **following** the Maintenance & Roadway Operations Workshop. (see page 7 for the agenda)

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.

MEETING PLANNING GROUP

Chief Meeting Organizer



Peter Merfeld
Maine Turnpike Authority

Track Leaders

TECHNICAL

Eric Hemphill, North Texas
Tollway Authority

MANAGEMENT

Jim Wilson, TransCore

Meeting Planning Group Members

Christine Aczel
RS&H

Allen Beck
Atkins N.A.

Eric Becker
Kansas Turnpike Authority

Donald Bell
Traffic Technologies, Inc.

John Benda
HNTB Corporation

Randolph Brown
RK&K

Amy Burlarley-Hyland
DBi Services, LLC

John Cannell
Maine Turnpike Authority

Daniel Castrigano
Greenman-Pedersen, Inc.

Mario Cecchi
WSP|Parsons Brinckerhoff

Maria Connolly
Florida's Turnpike
Enterprise

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New Jersey Turnpike
Authority

Chad Gill
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Robert LaGatta
Atkins N.A.

James Laurita
Gannett Fleming

Roland Lavallee
HNTB Corporation

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Bridge Authority

Lauren Meek
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Tyler Milligan
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Kathryn O'Connor
Rhode Island Turnpike and
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Eric Offenber
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Douglas Prager
Jacobs Engineering Group

David Raines
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James Romano
Rhode Island Turnpike and
Bridge Authority

Gregory Stone
Maine Turnpike Authority

Raymond Szczucki
Chubb

Ali Vaezi
Dewberry

Kristi Van Ooyen
Maine Turnpike Authority

Christopher Warren
HDR|ICA

HOTEL INFORMATION

LOCATION

Hyatt Regency Newport
1 Goat Island
Newport, RI 02840
Phone: 401-851-1234
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www.newport.hyatt.com



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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 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.

AGENDA

SUNDAY MAY 15, 2016

8:00am – 3:00pm

EXHIBIT SET-UP
(Grand Ballroom)

8:00am – 5:00pm

SERVICE PROJECT
(see page 7 for details)
Meet in the Hotel Lobby at 7:45am

8:00am – Noon

TECHNICAL TOUR – MORNING
(see page 7 for details)
Meet in the Hotel Lobby at 7:45am

1:00pm – 5:00pm

TECHNICAL TOUR – AFTERNOON
(see page 7 for details)
Meet in the Hotel Lobby at 12:45pm

6:00pm – 7:00pm

REGISTRATION
(Ballroom Foyer)

6:00pm – 7:30pm

WELCOME RECEPTION WITH EXHIBITS
(Grand Ballroom)

SESSION KICKSTARTERS!

Kick off your learning experience with the latest innovations in industry technology products. These brief session KickStarters will give you just the right amount of information to get you thinking of how you can apply new technologies to your next big project.

PARTICIPATING ORGANIZATIONS:

3M
EMSEAL
Innovative Products
Kapsch TrafficCom
Kueper North America
Olin/POLY-CARB
Xerox

MONDAY MAY 16, 2016

7:00am – 5:30pm

REGISTRATION
(Ballroom Foyer)

7:00am – 8:30am

BREAKFAST WITH EXHIBITS
(Grand Ballroom)

8:30am – 9:00am

GENERAL SESSION

OPENING REMARKS
(Benton Hall)

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

Buddy Croft, Executive Director, Rhode Island Turnpike and Bridge Authority and President, IBTTA, Newport, RI

Peter Merfeld, Chief Operating Officer, Maine Turnpike Authority and Chief Meeting Organizer, Portland, ME

9:00am – 10:30am

ROADSIDE SAFETY INNOVATIONS, TOOLS & POLICIES

MODERATOR: Randy Brown, Senior Manager – Toll Facilities, RK&K, Baltimore, MD

Reducing Traffic Congestion and Accidents with Active Traffic Management in Japan

Toshiyuki Oka, Engineer, NEXCO-Central, Nagoya, Aichi, Japan

Improving Incident Management and Traveler Information Through Data Partnerships: Waze Case Study

Robert Taylor, P.E., PTOE, Manager of Traffic Operations, Pennsylvania Turnpike Commission, Middleton, PA

The Illinois Tollway's I-90 Smart Corridor and Active Traffic Management Plan

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

10:30am – 11:00am

REFRESHMENT BREAK WITH EXHIBITS
(Grand Ballroom)

11:00am – 12:30pm

GENERAL SESSION

DRONES – MORE THAN JUST AN IRRITATING BUZZ!
(Benton Hall)

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

Barritt Lovelace, P.E., Regional Manager, Collins Engineers, Inc., St. Paul, MN

Jennifer Zinc, P.E., Bridge Inspection Engineer, Minnesota Department of Transportation, St. Paul, MN

12:30pm – 2:00pm

LUNCH WITH EXHIBITS
(Grand Ballroom)

2:00pm – 3:30pm

BREAKOUT SESSIONS

TECHNICAL TRACK

Maintaining Mobility while Making Improvements

(Benton Hall)

MODERATOR: Bob LaGatta, P.E., Senior Tolls Consultant, Atkins N.A., Charlotte, NC

A Comprehensive Review of Maintenance Productivity and Frequency Standards for the Pennsylvania Turnpike Commission

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

In-House Bridge Preservation

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

Traffic Management on Managed Lanes

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

MANAGEMENT TRACK

Getting the Most Utility from Roadway Improvements – People, Partnerships & Progress

(Heritage Room)

MODERATOR: John Mike, Chief Operating Officer, Preceptics, Farragut, TN

Improving Tunnel Throughput While Balancing Demand, Safety and Local Needs

Daniel Jacobs, P.P., General Manager, Transportation & Revenue, The Port Authority of New York & New Jersey, New York, NY

Matt Milligan, Managing Partner, Milligan Partners LLC, Dallas, TX

Hardy Toll Road – Improvements to a 30-Year-Old Facility

Quinton Alberto, P.E., Assistant Director, Maintenance & Traffic Engineering, Harris County Toll Road Authority, Houston, TX

3:30pm – 4:00pm

REFRESHMENT BREAK WITH EXHIBITS

(Grand Ballroom)



4:00pm – 5:30pm

BREAKOUT SESSIONS

TECHNICAL TRACK

Roadway Maintenance for Today

(Benton Hall)

MODERATOR: Steve Tartre, P.E., Director of Engineering & Building Maintenance, Maine Turnpike Authority, Portland, ME

Wrong Way Drivers

Eric Gordin, P.E., Assistant Traffic Operations Engineer *and* **Kelly Kinney**, TMC Team Manager, Florida's Turnpike Enterprise, Ocoee, FL

Snow and Ice Operations – The Good, the Bad and the Ugly

Derek Slack, Roadway Maintenance Manager *and* **Nicki Beckford**, Operations Technical Manager, E-470 Public Highway Authority, Aurora, CO

If You Cannot Control the Drivers, Protect the Employees

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

MANAGEMENT TRACK

Achieving a “State of Good Repair” – The Long and Winding Road

(Heritage Room)

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

Reducing Maintenance Costs by Adapting Total Asset Management in Japan

Jun Takeuchi, Manager, International Business, NEXCO-Central, Nagoya, Japan

Optimizing the Road to a MAP-21 State of Good Repair by Integrating the Rolling Wheel Deflectometer (RWD)

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

Moving the Dial – Realizing the Benefits of Asset Management: Successes, Challenges and What's Next?

Rapid Fire Q&A with Audience Participation

David Rose, Vice President, Gannett Fleming, New York, NY

Mildred Chua, Acting Vice President and Chief Financial Officer, Planning and Budget, MTA Bridges and Tunnels, New York, NY

Quinton Alberto, Assistant Director, Maintenance and Traffic Engineering, Harris County Toll Road Authority, Houston, TX

Paul Wai, P.E., Director of Transportation Operations, Florida's Turnpike Enterprise, Fort Lauderdale, FL

6:00pm – 10:00pm

EVENING EVENT – CLAMBAKE BY THE BAY

(Hyatt Regency Newport Pavilion)

(see page 7 for details)

AGENDA

TUESDAY MAY 17, 2016

7:00am – 3:30pm

REGISTRATION

(Ballroom Foyer)

7:00am – 8:30am

BREAKFAST WITH EXHIBITS

(Grand Ballroom)

8:30am – 10:00am

GENERAL SESSION

KEEPING OUR BRIDGES SAFE

(Benton Hall)

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

Florida's Turnpike Enterprise – Infrastructure Knowledge Management System

Debbie Meyer, Ph.D., P.E., Deputy Maintenance Engineer *and* **Aran Lessard, P.E.**, Structures Maintenance Engineer, Florida's Turnpike Enterprise, Pompano Beach, FL

Frank Robinson, P.Eng., Maintenance Engineer, Halifax Harbour Bridges, Halifax, Nova Scotia, Canada

William Pines, P.E., Deputy Director of Engineering, Maryland Transportation Authority, Baltimore, MD

10:00am – 10:30am

REFRESHMENT BREAK WITH EXHIBITS

(Grand Ballroom)

10:30am – Noon

BREAKOUT SESSIONS

TECHNICAL TRACK

Carrying the Load – Collaboration and Innovation to Enhance Safety and Preserve Infrastructure

(Benton Hall)

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

Virtual Weigh Stations – Technology for Preserving our Infrastructure
Nikola Ivanov, Deputy Director, CATT Laboratory at the University of Maryland, College Park, MD

Collaboration with Public Enforcement Entities to Improve Road Safety
David Kollenhofer, Manager International Relations, ASFNAG, Vienna, Austria

Load Ratings and Bridge Strengthening in Practice – The Maine Turnpike Experience

Kristi Van Ooyen, P.E., Engineering Program Manager, Maine Turnpike Authority, Portland, ME *and* **Tim Cote, P.E.**, Structural Department Manager, HNTB Corporation, Westbrook, ME

MANAGEMENT TRACK

Toll Facilities and Their Partners – Providing our Customers with Value through Collaboration

(Heritage Room)

MODERATOR: David Raines, Toll Technology Senior Specialist, RS&H, Austin, TX

Optimizing Road User Safety on Israel's Highway No. 6

Hagai Tal, CEO, Advanced Solutions Road Systems Ltd, Hod HaSharon, Israel

2015 Philadelphia Papal Visit – Special Event Planning

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

Faith or Forgiveness? An Evolving Relationship of Toll Plaza and Toll Facility Maintenance Responsibilities Relinquished from a DOT to Toll Authority

Angela Louie, P.E., Toll Facilities Maintenance Program Manager, Bay Area Toll Authority, Metropolitan Transportation Commission, Oakland, CA

Partnerships for Transportation System Management and Operations

Christopher Poe, Assistant Director, Connected & Automated Transportation, Texas A&M Transportation Institute, Dallas, TX

Noon – 2:00pm

LUNCH WITH EXHIBITS

(Grand Ballroom)

2:00pm – 3:30pm

GENERAL SESSION

RHODE ISLAND TRANSPORTATION – TOP TO BOTTOM

(Benton Hall)

MODERATOR: Buddy Croft, Executive Director, Rhode Island Turnpike and Bridge Authority and President, IBTTA, Newport, RI

Peter Garino, Acting COO, Rhode Island Department of Transportation, Providence, RI

Kathryn Coleman, ETC Manager, Rhode Island Turnpike and Bridge Authority, Newport, RI

Eric Offenber, Director of Engineering, Rhode Island Turnpike and Bridge Authority, Newport, RI

Jim Manni, Director of Operations, Safety & Security, Rhode Island Turnpike and Bridge Authority, Newport, RI

3:30pm

WRAP-UP AND ADJOURN

TOUR & EVENTS

IBTTA FOUNDATION ANNUAL SERVICE PROJECT BUILDING BRIDGES AT FORT ADAMS

Sunday, May 15, 2016

8:00am – 5:00pm

Fee: \$50.00 per person

Meet in the Hotel Lobby at 7:45am



Host Agency



IBTTA Sponsors

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TECHNICAL TOUR

PELL BRIDGE

Sunday, May 15, 2016

8:00am – Noon

1:00pm – 5:00pm

Fee: \$35.00 per person

- Each tour is open to registered delegates.
- Each tour can accommodate a maximum of 25 attendees.
- Meet in the Hotel Lobby 15 minutes prior to start time.



EVENING EVENT

CLAMBAKE BY THE BAY HYATT REGENCY NEWPORT PAVILLION

Monday, May 16, 2016

6:00pm – 10:00pm

Fee: included in registration

- The evening event is open to registered delegates.
- Dress is casual.



BOARD & COMMITTEE MEETINGS SCHEDULE

TUESDAY, MAY 17, 2016

4:00pm – 5:30pm

PLATINUM SPONSOR ADVISORY COUNCIL
(by invitation)

5:30pm – 6:30pm

RECEPTION WITH PLATINUM SPONSOR ADVISORY COUNCIL AND BOARD MEMBERS
(by invitation)

WEDNESDAY, MAY 18, 2016

8:30am – 5:00pm

BOARD OF DIRECTORS AND COMMITTEE MEETINGS
(open to all)
(Rose Island)

5:00pm – 6:00pm

RECEPTION
(open to all)

THURSDAY, MAY 19, 2016

9:00am – 11:00am

BOARD OF DIRECTORS MEETING
(open to all)
(Rose Island)



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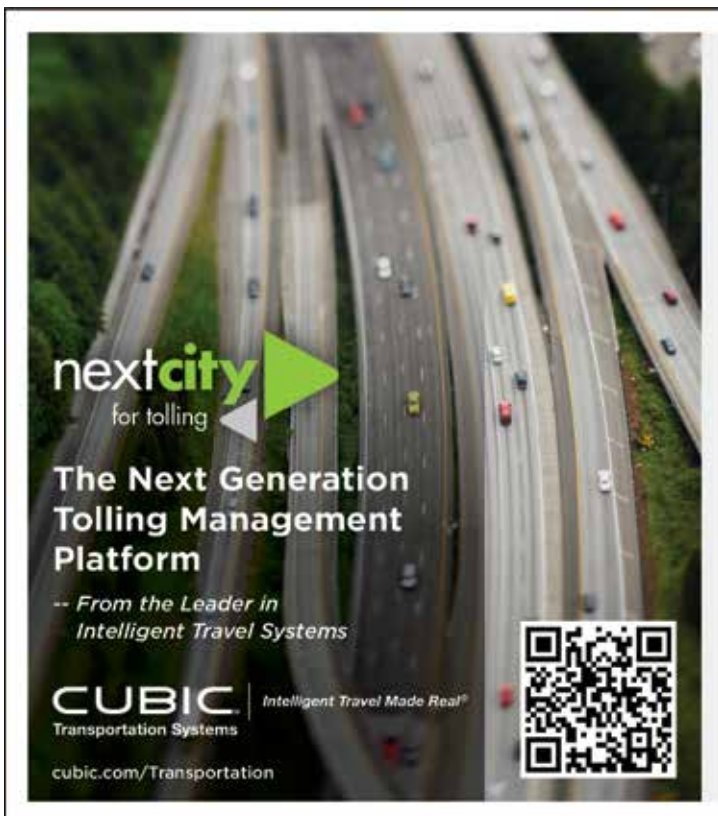
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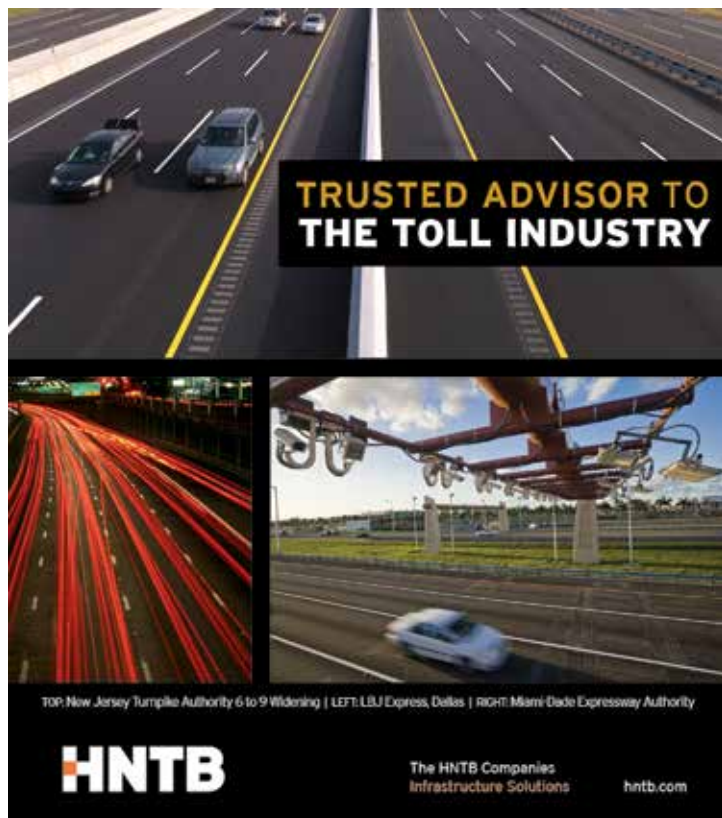
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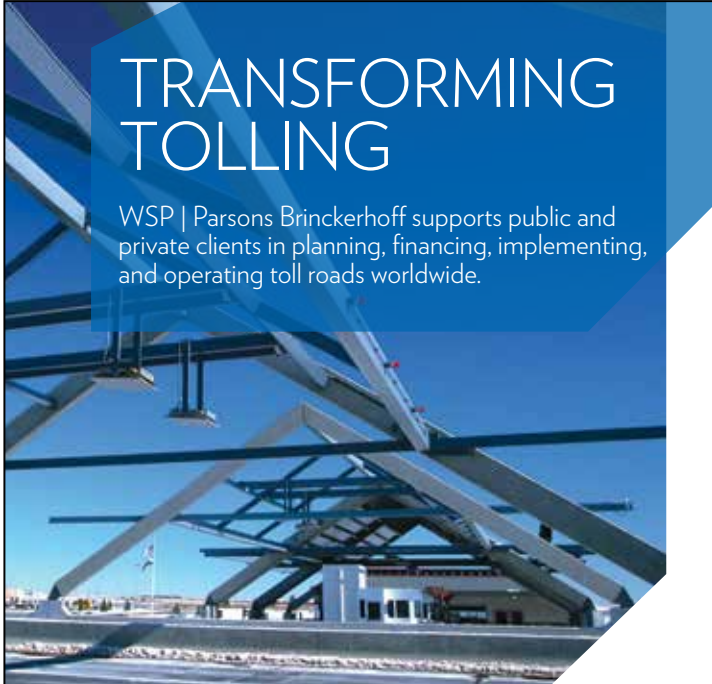
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EXHIBITORS



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