

# IBTTA DENVER SEPT 11-14 2016

Hosted by



84<sup>TH</sup> ANNUAL MEETING & EXHIBITION

## PEOPLE PARTNERSHIPS & PROGRESS

September 11-14, 2016

Hyatt Regency Denver  
Denver, Colorado

# PROGRAM

# WELCOME TO



Dear Friends and Colleagues,

Welcome to Denver! You're in for a special treat this year as an attendee at IBTTA's 84th Annual Meeting and Exhibition. Denver is a fast-paced city that has taken great advantage of the mobility gains tolling can offer in all its forms.

For years, our friends and Annual Meeting hosts at the E-470 Public Highway Authority have been telling us about the congestion relief they've been able to offer with all-electronic tolling in the Denver Metropolitan Area. Now, the Colorado Department of Transportation has completed two new express lane projects, including the state's first tolled project along a recreational route. It's high times in Colorado (and not only in the way you thought), and tolling is a key ingredient in all that the state has set out to achieve.

When you think about it, both the annual meeting and the city of Denver are great examples of the three-part theme I've brought to my year as IBTTA President:

- **People:** If you've ever attended an IBTTA annual meeting, you know how much you gain from spontaneous hallway conversations with your colleagues, old and new. And while you're in Denver, you'll get to interact with the people who've built Colorado's success in tolling, one project at a time.
- **Partnerships:** In tolling, nothing gets done without partnerships. In Denver, multiple municipalities had to collaborate to get E-470 built, and a seamless flow between public and private entities is all in a day's work. Add an annual meeting program that features innovative partnerships in finance, technology and tolling business models, and you have a guaranteed formula for the new ideas and insights that will help you propel your own organization to greater heights.
- **Progress:** Colorado is on the move, with no intention of turning back. But with the fourth-largest population growth in the United States and a relatively young demographic, it takes expertise, technology and day-in, day-out effort to keep people and goods on track. In Denver, you'll get to witness a living, breathing success story in one of the most progressive cities in the country.

I'm grateful to the IBTTA annual meeting planning group, to the E-470 Public Highway Authority for hosting this year's Annual Meeting, and I can't tell you how much I'm looking forward to exploring, learning and interacting while I'm here with you in wonderful Denver. Have a great week!

Kind Regards,

A handwritten signature in black ink that reads "Buddy Croft". The signature is written in a cursive, slightly slanted style.

Buddy Croft  
Executive Director, Rhode Island Turnpike and Bridge Authority,  
Newport, Rhode Island  
2016 IBTTA President

# DENVER!



## ABOUT OUR HOST

### E-470 Public Highway Authority



E-470 is the toll highway that runs along the eastern perimeter of the Denver metropolitan area. The 75-mph highway is not tax-funded and extends 47 miles from State Highway C-470 at I-25 in Douglas County to I-25 near 160th Avenue in Thornton. The E-470 Public Highway

Authority consists of eight member jurisdictions: Adams, Arapahoe and Douglas counties, and the municipalities of Aurora, Brighton, Commerce City, Parker and Thornton.

E-470 is a non-stop, all-electronic toll road that offers customers a safe, reliable and convenient commute. E-470 strives to offer top-notch customer service and works hard to provide a value to those that choose the road. E-470 owns and operates ExpressToll, which is the toll collection system that allows customers save up to 20 percent in tolls on E-470, gain access to the ExpressToll Rewards Program and also enjoy the benefits of easy online account management and automatic payments. ExpressToll is the one stop toll shop for all of Colorado's toll facilities, providing tolling services for E-470, the Northwest Parkway and the Colorado Department of Transportation Express Lanes. For more information, visit [www.expresstoll.com](http://www.expresstoll.com).

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# IBTTA BOARD OF DIRECTORS

## EXECUTIVE COMMITTEE



**President**  
**Earl J. "Buddy" Croft, III**  
*Rhode Island Turnpike  
and Bridge Authority*



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**Emanuela Stocchi**  
*Associazione Italiana  
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(AISCAT)*



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**Tim Stewart**  
*E-470 Public Highway  
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**Malika Seddi**  
*Association Professionnelle  
Autoroutes et Ouvrages à  
Péage (ASFA)*



**Immediate Past President**  
**Javier Rodriguez, P.E.**  
*Miami-Dade Expressway  
Authority*



**Executive Director & CEO**  
**Patrick Jones**  
*International Bridge,  
Tunnel & Turnpike  
Association (IBTTA)*



## DIRECTORS

**Cedrick Fulton**  
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**Peter Merfeld**  
*Maine Turnpike Authority*

**Jean Mesqui**  
*Association Professionnelle  
Autoroutes et Ouvrages à Péage  
(ASFA)*

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*SEOPAN*

**Gerald Carrigan**  
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**Andrew Fremier**  
*Bay Area Toll Authority*

**Samuel Johnson**  
*Transportation Corridor Agencies*

**Joe Mrozek**  
*New Jersey Turnpike Authority*

**Cynthia Ward**  
*Metropolitan Washington Airports  
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**Nic Barr**  
**Mark Compton**  
*Pennsylvania Turnpike Commission*

**Klaus Schierhackl**  
*ASFINAG*

**Benton Tempas**  
*Northwest Parkway LLC*

**Christopher Tomlinson**  
*State Road & Tollway Authority*

**John Lawson**  
*Virginia Department of  
Transportation*

**Gary Trietsch**  
*Harris County Toll Road Authority*

**Anthony Yacobucci**  
*Ohio Turnpike and Infrastructure  
Commission*

# HONORARY MEMBERS

## 2016 HONORARY MEMBERS



### Alain Estiot

Alain Estiot is the founder and CEO of AETC, a boutique consulting firm focused on mobility issues. Until August 2015, Alain was Managing Director, Chief Quality Officer and Compliance-Officer of Toll Collect GmbH in Berlin, Germany. Since January 2005, Toll Collect developed, financed and has been operating the first GPS/ GNSS toll system in the world. Toll Collect operates on 12,500 km of Motorways and 2,400 km of National Roads in Germany, collecting 4.5 billion Euros annually. Alain previously served as Director of Special Projects with Cofiroute in Paris, France. He was also COO of Cofiroute Corporation, the US-affiliate of Cofiroute, and Deputy Managing Director of CPTC in Los Angeles. CPTC had the franchise for the 91-Express Lanes, the first worldwide highway with an automatic multilane toll system and the pioneer in 1995 of the Value Pricing concept. Alain served as an IBTTA Chief Meeting Organizer in Sao Paulo, Brazil and in Berlin, Germany for IBTTA's 2011 Annual Meeting. He is a civil engineer (ENPC, Paris) and holds an MBA (INSEAD). He is a Knight of the National Order of Merit (France) and a French Foreign Trade Advisor in Germany. Alain is now semi-retired, enjoying life as a happy Frenchman in Berlin with his lovely wife Renate.



### Mike Heiligenstein

Mike Heiligenstein is the Executive Director of the Central Texas Regional Mobility Authority, an independent government agency tasked in 2002 with designing a modern, regional transportation network for Central Texas. Based in Austin, Texas, The Mobility Authority's current and future projects are key elements in a carefully planned, multi-modal transportation system designed to meet the diverse, long-term mobility needs of this fast-growing region while protecting and strengthening the quality of life its residents enjoy and have come to expect. He is the Past President (2014) of IBTTA and serves on the advisory Board of the Texas A&M Transportation Institute as well as several other committees and working groups dealing with transportation issues. Before taking the helm at the Mobility Authority, Mike served the citizens of Williamson County for 23 years as a public official. During his years of public service, Mike initiated and helped supervise \$1.5 billion in capital improvement projects.



### John McCuskey

John McCuskey is the former Executive Director of the E-470 Public Highway Authority in Colorado. Prior to his appointment as Executive Director in 2010, he was the Director of Finance and Deputy Executive Director for E-470. His background includes project finance as an investment banker as well as toll road operations. Before E-470, he was an independent consultant. His work included toll road financial analysis and he also prepared toll operations studies and management plans and advised on operations both nationally and internationally. John previously served on the IBTTA Board of Directors.

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## HONORARY MEMBERS

Michael C. Ascher

Anthony J. Barber\*

José Manuel Basañez

Stanley J. Britton\*

James Brookshire\*

Paul Burnette

Susan A. Buse\*

Lisa C. Callahan\*

Carney J. Champion\*

Jose Luis Ceron\*

Oliver K. Compton, Jr.

Santiago Corral\*

James A. Crawford

Ronald Cunningham

Henri Cyna\*

Robert L. Davis

Ronald J. Delaney\*

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John T. Driscoll\*

James L. Ely\*

Robert J. Farrell\*

Jose Luis Ferreiro\*

Jack Finn

William J. Flanagan\*

R. D. Fogo\*

E. R. Foley\*

Daniel W. Greenbaum

Roger Ginocchi\*

Jordi Graells\*

James Griffin

John J. Hassett

Robert G. Horr, III\*

Frank A. Howe

Allan V. Johnson\*

Roy G. Lancaster\*

Vincent L. Leonetti\*

Lawrence J. Lewis\*

Dale W. Luehring\*

Burt H. Marshall

Jorge Masia Mas-Baga\*

Stephen F. Mayer\*

Frank McCartney\*

William J. Miller, Jr.\*

Jean Millier

Kodo Ogata

Mary Jane O'Meara\*

K. C. Pearson\*

Kenneth Philmus

D. Rafael del Pino y Moeno

Jean-Francois Poupinel\*

Howard M. Reily\*

Edward Regan

Vito Rocco\*

Lawrence A. Rubin\*

W. A. Rusch\*

Franco Schepis\*

Neil Schuster

Gordon Slaney

Steven Snider\*

Charles H. Taylor\*

Mary E. Turkington

Paul E. Violette\*

Russell I. Wilcox\*

Kary H. Witt\*

John R. Woodruff\*

Harold W. Worrall\*

Norman H. Wuestefeld

George P. Zilocchi\*

Bruce Zimmerman

\*Also an IBTTA Past President

# TOLL EXCELLENCE AWARDS



## AND THE AWARD WINNERS ARE...

### ADMINISTRATION & FINANCE

#### AGENCY

Florida's Turnpike Enterprise

#### PROJECT

I-4 Connector



When Florida's Turnpike Enterprise opened the I-4 Connector in Tampa Bay on January 6, 2014, it marked a milestone in the effort to reduce local congestion in the face of surging economic growth and increased truck traffic from the region's busy port. The limited-access, all-electronic toll road links Interstate 4 and State Road 618 (the Selmon Expressway), providing direct access to the port with one-of-a-kind truck-only lanes. Traffic along the I-4 Connector has more than doubled in 2½ years, from 22,000 vehicles per day in 2014 to 48,000 today, demonstrating how effectively the project has eased congestion while removing an estimated 3,400 trucks per day from the streets of Ybor City, one of only two National Historic Districts in Florida. The diversion has reduced accidents on two key city streets by nearly 60 percent, and the availability of a free-flow, high-speed route means trucks travelling from I-4 to I-75 won't hit a red light until they get to Canada. The project was funded by federal, state, and provincial governments, with essential support from \$80 million in Turnpike revenue bonds. In FY 2015, project revenue of \$8.8 million greatly exceeded the initial forecast of \$6.1 million.

### CUSTOMER SERVICE & MARKETING OUTREACH

#### AGENCY

North Carolina Turnpike Authority

#### PROJECT

Multi-Agency Interoperability Program



After the North Carolina Turnpike Authority (NCTA) achieved toll interoperability with Florida's SunPass® in July 2013 and Georgia's Peach Pass® in November 2014, its next step was to promote NC Quick Pass® transponder ownership as an opportunity for customers to pay lower toll rates across the U.S. east coast. NCTA's outreach campaign offered users a more convenient customer experience, with quicker, more reliable mobility than they would achieve without a transponder. In April 2015, the Authority formed a promotional partnership with the Durham Bulls—a local baseball team, and the most popular sports franchise in the North Carolina Triangle—to build customer and brand awareness. Much of the campaign focused on reaching Bill by Mail customers through a table presence at 11 Bulls games between April and August, combined with print advertising and email marketing, in an effort to promote transponder use. In June, NCTA and NC Quick Pass® began distributing 200,000 promotional inserts with paper invoices mailed to North Carolina residents. The insert offered users savings of up to 35 percent, plus the ability to pay their tolls effortlessly in North Carolina, Florida, Georgia, and all states in the E-ZPass® Group.

### SOCIAL RESPONSIBILITY

#### AGENCY

Foothill/Eastern Transportation Corridor Agency

#### PROJECT

State Route 241 Wildlife Safety Fence Improvement Project



The Foothill/Eastern Transportation Corridor Agency (F/ETCA) is looking forward to a 90 to 95 percent reduction in vehicle-animal collisions along a six-mile stretch of the State Route 241 Toll Road in Orange County, California, after installing safety fencing and new wildlife undercrossings for cougars, coyotes, bobcats and deer. The safety fence ranges from 10 to 12 feet in height and features an 18-inch "outrigger" to prevent wildlife from climbing over. It is buried 24 inches to prevent animals from digging under, and is placed in close proximity to the roadway shoulder to minimize native habitat loss. For any animals that still find their way onto the roadway, the systems include jump-out ramps at half-mile intervals as an escape route back to open space. Working with the University of California-Davis Wildlife Health Center and the UC-Davis Information Center for the Environment, F/ECTA conducted a two-year field evaluation of undercrossings that were already in place, then identified enhancements that would improve wildlife connectivity throughout the area. The assessment involved GPS tracking of cougar movements throughout the Santa Ana Mountain Range, use of cameras to track wildlife use of existing undercrossings and consultations with the U.S. Fish and Wildlife Service and the California Department of Transportation, among other stakeholders.

Congratulations to the 2016 Toll Excellence Award winners! Join us as we present awards to the winners in each of the six Toll Excellence Award categories including the Private Sector Innovation Award, which recognizes the contributions made by the private sector in support of the tolling industry. We will also award the prestigious President's Award for Excellence—but that decision remains a secret until the award ceremony. Congratulations to all the winners of these extraordinary projects.

## TECHNOLOGY

### AGENCY

Harris County Toll Road Authority

### PROJECT

Prohibited Vehicle Rapid Alert System



The Harris County Toll Road Authority introduced its Prohibited Vehicle/Rapid Alert System (RAS) as a spin-off project after replacing its legacy toll enforcement infrastructure. The original system upgrade included development and/or augmentation of software applications that generate an alert directly to law enforcement whenever a vehicle from a list of top 500 prohibited vehicles passes through a tolling gantry. For years, HCTRA knew the standard toll enforcement strategy of having deputies watch out for violators was becoming less effective. The authority had introduced video tolling for large corporate accounts, and allows customers to temporarily add vehicles to existing accounts without obtaining a transponder. The system also accommodates non-revenue accounts for disabled veterans and access for unmarked emergency vehicles. The added feature makes it feasible for a deputy to locate and stop a habitual violator to issue a citation. It also targets violators who try to avoid paying their outstanding HCTRA tolls and continue using the tollway by obtaining a valid toll transponder from another regional tolling agency.

## TOLL OPERATIONS, ENGINEERING & MAINTENANCE

### AGENCY

Central Florida Expressway Authority

### PROJECT

Wrong-Way Pilot Driving Program



Wrong-way driving (WWD) is an immediate, urgent hazard on any roadway, whenever and wherever it occurs. That's why it was a significant development when the Central Florida Expressway Authority (CFX) became the first agency to pilot Rapid Rectangular Flashing Beacons (RRFBs) as a WWD countermeasure. CFX initially set out to develop a better understanding of issues related to wrong-way driving, as a first step in deploying systems to minimize or mitigate the problem. Its research focused on equipping Wrong-Way signs with RRFBs, radar or laser detection, and cameras to detect, deter and prevent wrong-way drivers from using exit ramps to enter the toll road mainline. Its evaluation of RRFBs involved testing on five ramps along the roadway network, one on State Road 528 and four on State Road 408.

## PRIVATE SECTOR INNOVATION

### AGENCY

CDM Smith

### PROJECT

National Interstate Tolling Analysis Tool



CDM Smith developed its National Interstate Tolling Analysis Tool (NITAT) for the U.S. Federal Highway Administration (FHWA) as part of a wider interstate tolling study. This computer traffic model, the only one of its kind, is a sketch-level planning resource for modelling potential traffic and revenue impacts of tolling segments of the toll-free interstate system that are currently toll-free. NITAT allows users with no modelling background to run scenarios for the entire interstate system, for 48 individual states and for most other major highways and tolled facilities. It disaggregates more than 3,000 counties and urban areas across the United States into nearly 7,500 traffic zones and incorporates National Bridge Inventory data for major bridges on the interstate system. The model can compare different options for toll rates, deliver separate analyses for car and truck impacts, estimate capital and operating costs associated with toll collection, and assess impacts on network performance, safety and fuel consumption. One model run found that, if all-electronic tolls in the range of \$0.04 per mile for cars and \$0.10 per mile for trucks were added to the entire non-tolled interstate system, average annual revenue would exceed \$46 billion in 2011 dollars.

# MEETING PLANNING GROUP

## Chief Meeting Organizers



**Frank McCartney**  
WSP | Parsons Brinckerhoff  
Philadelphia, PA



**Jason Myers**  
E-470 Public Highway Authority  
Aurora, CO



**Kathryn O'Connor**  
Rhode Island Turnpike and Bridge Authority  
Jamestown, RI

## Track Team Leaders

### PEOPLE TRACK

**Malika Reed Wilkins**  
State Road & Tollway Authority

### PARTNERSHIPS TRACK

**Michael Davis**  
RS&H

### PROGRESS TRACK

**Jim Wilson**  
TransCore, LP

## Group Members

**Snehal Ambare**  
HNTB Corporation

**Mahrokh Arefi**  
emovis

**Robin Ayers**  
TxDOT

**Brent Baker**  
WSP | Parsons Brinckerhoff

**Craig Bettmann**  
Cogensia

**John Breedlove**  
Accenture LLP

**Mark Cantelli**  
Xerox

**Jessica Carson**  
E-470 Public Highway Authority

**Mario Cecchi**  
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**Tawnya Clark**  
Kapsch TrafficCom

**Mario Diaz**  
Miami-Dade Expressway Authority

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**JJ Eden**  
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**Diane Gutierrez-Scaccetti**  
Florida's Turnpike Enterprise

**James Harris**  
Linebarger Goggan Law Firm

**Yagnesh Jarmarwala**  
CDM Smith

**Kristen Johnson**  
Transurban

**Sumeet Kishnani**  
Stantec Consulting Services Inc.

**David Kollenhofer**  
ASFINAG

**David Kristick**  
E-470 Public Highway Authority

**Philip Miller**  
AECOM

**Patricia Mosher**  
HNTB Corporation

**Christopher Mwalwanda**  
CDM Smith

**Pamela Nagot**  
HNTB Corporation

**Francis O'Connor**  
Atkins N.A.

**Jenna Oskowitz**  
HNTB Corporation

**Kevin Palmer**  
RS&H

**Daniel Papiernik**  
HNTB Corporation

**Ken Philmus**  
Xerox

**Marc Raymer**  
TransCore, LP

**Edward Regan**  
CDM Smith

**Hubert Resch**  
ASFINAG

**Rosa Rountree**  
Egis

**Anna Salvagin**  
AECOM

**Malika Seddi**  
ASFA (Associazione Professionnelle  
Autoroutes et Ouvrages à Péage)

**Jennifer Sherblom**  
Perceptics, LLC

**Emanuela Stocchi**  
AISCAT (Associazione Italiana Società  
Concessionarie Autostrade e Trafori)

**Martin Stone**  
Egis

**Sharareh Tavafrashti**  
San Francisco County Transportation  
Authority

**Christopher Warren**  
HDR | ICA

**Jeff Weiss**  
TH Consulting

**Maggie Wilkins**  
Faneuil, Inc.

**Kary Witt**  
Golden Gate Bridge, Highway &  
Transportation District

**Sean Zeng**  
3M Traffic Safety and Security

**George Zilocchi**  
HNTB Corporation



# FAST FACTS

## BADGES

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

White: Delegate (Member)  
Orange: Delegate (Non-member)  
Blue: Companion/Guest  
Green: Exhibitor  
Yellow: Media

## CERTIFICATION MAINTENANCE (PE)

IBTTA will forward a certificate of attendance to all professional engineers 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 at any time during the program.

## CONSIDERATIONS

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

## DRESS

Business or business casual is encouraged for all sessions. Dress for other IBTTA events is noted next to the event description.

## GUEST TOURS

Please see the IBTTA Registration Desk for questions and tour availability. See page 10 for additional tour information.

## INTERNET ACCESS

Complimentary in-room wireless connection is included in the room rate at the Hyatt Regency Denver. WiFi will be available throughout the conference space.

WiFi provided courtesy of:



## MEALS & EVENTS

Badges are required to attend all meals and events. Badges must be worn during all events, including tours, the Opening Event on Sunday night, the LoDo Street Party on Monday and the Closing Reception & Banquet on Tuesday, and these events are included in the Delegate, Guest and Speaker registration fees only.

Breakfast and lunch on Monday and Tuesday will be served in the Centennial Ballroom on Level 3. Breakfast on Wednesday will be served in the Capitol Ballroom Foyer on Level 4.

## MEDIA

Credentialed members of the media are permitted to attend sessions only and can be identified by yellow badges.

## MEETING APP

Download the IBTTA Meetings app (available on the App Store, Google Play and Amazon Appstore) to view updated bios, photos, meeting rooms, notifications and more.



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



## MEMBER PUBLICATIONS AND COLLATERAL

All members of IBTTA are welcome to place their publications in the registration area. Please ask for Terri Lankford at the IBTTA Registration Desk for instructions.

## 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

PowerPoint presentations authorized for distribution will be available at within two weeks following the meeting. Please visit [www.IBTTA.org/pastevents](http://www.IBTTA.org/pastevents).

## RECORDING OF SESSIONS

Personal recording of any session is strictly prohibited. IBTTA reserves the right to video and record sessions for purposes of on-demand viewing.

## SATISFACTION SURVEY

Please help IBTTA improve future meetings by completing the survey that will be emailed to you following the meeting.

## 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 by reviewing the material on the designated sponsor tables in the registration area.

## THEMATIC REPORT

A written thematic report will be posted in the Events section of the IBTTA website.

# TOURS

## TECHNICAL TOURS

### E-470 Public Highway Authority



#### Expansion Program

Sunday, September 11, 2016  
9:00am – Noon  
Fee: \$40.00



### Colorado DOT, Northwest Parkway and Plenary Roads Denver



#### Tech + Innovation + Partnership = Congestion Kryptonite

Sunday, September 11, 2016  
9:00am – Noon  
Fee: \$40.00



## SOCIAL TOURS



### Denver Walking Microbrew Tour

Saturday, September 10, 2016  
3:00pm – 5:15pm  
Minimum Participants: 20  
Fee: \$49.00



### Best of Boulder

Tuesday, September 13, 2016  
9:00am – 2:00pm  
Minimum Participants: 30  
Fee: \$99.00 (includes lunch)



### Denver City and Botanic Gardens Tour

Sunday, September 11, 2016  
9:00am – Noon  
Minimum Participants: 30  
Fee: \$59.00 (includes admission fee for Botanic Gardens)



### Glorious Red Rocks

Monday, September 12, 2016  
9:00am – 2:00pm  
Minimum Participants: 30  
Fee: \$99.00 (includes lunch)

## IBTTA Social Tour Registration Information

IBTTA has contracted with AXS Group to handle all Social Tours during the Annual Meeting. If you are interested in a tour, come to the IBTTA registration desk to check availability.

### IMPORTANT:

**All social tours require a minimum number of attendees to operate.** AXS Group reserves the right to cancel tours with fewer than the minimum number of participants. If that number is not met, you will be notified in advance and your fee will be returned in full.

## THINGS TO DO IN DENVER

Check out [www.denver.org](http://www.denver.org) for more to do in the city.



### On Your Own? Consider a Bike!

**Denver B-Cycle** – Denver B-cycle is Denver's bike sharing system. With 88 stations and 700 bikes throughout ten central Denver neighborhoods, you can check out and return a B-cycle at any station 5 a.m. to midnight, 365 days a year. B-cycle is designed for locals and visitors for short, one-way trips that are 30 minutes or less. <http://denver.bicycle.com>

**Pedego Electric Bikes** – Enjoy the hundreds of miles of dedicated bike paths and bike lanes on a fun and easy to ride Pedego electric bike. Pedego Denver is only two blocks from the Colorado Convention Center and right in the heart of the hotel district. Pedego Denver Downtown offers guided and self-guided tours, sales and electric bike rentals by the hour, half day or full day. [www.pedegoelectricbikes.com](http://www.pedegoelectricbikes.com)

# HOURS & TRANSPORTATION

## HOURS OF OPERATION

### REGISTRATION

The IBTTA Registration Desk is located in the **Capitol Ballroom Foyer, Level 4.**

Sunday, September 11 .....	7:30am – 9:30am 2:00pm – 6:00pm
Monday, September 12 .....	7:00am – 5:30pm
Tuesday, September 13 .....	7:00am – 5:30pm
Wednesday, September 14.....	7:00am – 10:30am

### SPEAKER REHEARSALS & PRESENTATION DROP-OFF

Cheryle Arnold, IBTTA Conference Production Manager, will be available in the **Capitol Ballroom** during the following hours to assist you with your presentation:

Sunday, September 11 .....	9:00am – 4:00pm
Monday, September 12 .....	6:00am – 5:30pm
Tuesday, September 13.....	6:00am – 5:30pm

### EXHIBITS

The Exhibit Hall is in the **Centennial Ballroom, Level 3.** Hours are as follows:

<b>SUNDAY, SEPTEMBER 11</b>	
Set Up.....	8:00am – 6:00pm
<b>MONDAY, SEPTEMBER 12</b>	
Breakfast.....	7:00am – 8:30am
Refreshment Break.....	10:30am – 11:00am
Lunch.....	Noon – 2:00pm
Refreshment Break.....	3:30pm – 4:00pm
Reception with Exhibits.....	5:30pm – 7:00pm
<b>TUESDAY, SEPTEMBER 13</b>	
Breakfast.....	7:00am – 8:30am
Refreshment Break.....	10:00am – 10:30am
Lunch.....	Noon – 2:00pm
Refreshment Break.....	3:30pm – 4:00pm
Tear Down .....	4:00pm – 6:00pm

**Please note: the Exhibit Hall is open throughout the conference for one-on-one meetings.**

## TOUR TRANSPORTATION SCHEDULE

All tours depart from the lobby of the Hyatt Regency Denver. **Tickets are required for Technical Tours.** Visit the IBTTA Registration Desk for information on tour availability.

### SUNDAY, SEPTEMBER 11

	Meet	Depart
Technical Tour: E-470 Public Highway Authority	8:30am	9:00am
Technical Tour: Colorado DOT, Plenary Roads Denver & Northwest Parkway	8:30am	9:00am
Social Tour: Denver City and Botanic Gardens Tour	8:30am	9:00am

### MONDAY, SEPTEMBER 12

Social Tour: Glorious Red Rocks	8:30am	9:00am
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### TUESDAY, SEPTEMBER 13

Social Tour: Best of Boulder	8:30am	9:00am
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# KEYNOTE SPEAKER

## KEYNOTE SPEAKER

Monday, September 12, 2016

11:00am – Noon

Capitol Ballroom, Level 4

Pete McBride

Photographer and Filmmaker,  
*National Geographic Live*

Sponsored by: **AECOM**

**“The Colorado River has connected me to many things, many people and many remarkable places.”**



© Ashley Mosher

Native Coloradan Pete McBride has spent almost two decades studying the world with his camera.

A self-taught, award-winning photographer, filmmaker and writer, he has traveled on assignment to over 60 countries for the publications of the National Geographic Society, *Smithsonian*, *Outside*, *Men's Journal*, *Esquire*, *STERN* and many others. Raised on a Colorado cattle ranch, Pete is passionate about storytelling and unique, gripping ways to communicate them, whether it involves vantages from 20,000 feet or swimming below icebergs. His perspective on capturing water-related stories led *American Photo Magazine* to list Pete as “one of the top five water photographers” in the nation.

# 2016 LEADERSHIP ACADEMY



The 2016 class of the IBTTA Leadership Academy's Executive Development Program attended the intensive week-long program February 7-12, 2016, in Washington, DC. In its eighth year, this annual course included a Leadership Workshop and covered topics such as Partnering for Better Results, The Business of Tolling, Visioning the Future for Transportation, Managing a Work-life Balance and an Executive Director Roundtable. The Leadership Academy is funded by contributions to the IBTTA Foundation.



**Leadership Academy Class of 2016** – Back Row Standing (left to right): Scott Sorensen, Christopher Burke, David Raines, Stuart Rogers, Auden Kaehler, Mike Chesney, Frank Robinson, Pedro Amado Bento, Jack Damrill, Timothy Sturick, Mahmood Mohammed, Anthony Kimmey, Ram Maddali, Stephen Lockhart, Benjamin Baker; Middle Row Standing (left to right): Chris Hall, David May, Chris Matta, Tim Garrett, Joseph Averkamp, Willy Dommen, Armindo Monteiro, Jeff Hurt, Donald Klingensmith, Joe Fischetti, Steven Abendschein; Front Row Seated (left to right): Bridget Malinowski, Jennifer Sherblom, Christina Palestine, Jennifer Charlebois, Tracey Trexel, Kristen Johnson, Rebekah Hammond, Jessica Hancock, Linda Sexton, Cheryl Lewis-Orr.



## Apply to be part of the 2017 Leadership Academy

Applications for the class of 2017 are available now at [www.IBTTA.org/leadershipacademy](http://www.IBTTA.org/leadershipacademy). The deadline to apply for admission is November 1, 2016. The Program will be held in Washington, DC, February 12-17, 2017. Pick up a brochure at the IBTTA Registration Desk.

# EVENT HIGHLIGHTS

## WELCOME RECEPTION FOR NEW MEMBERS & FIRST-TIME ATTENDEES

Sunday, September 11, 2016

3:00pm – 5:00pm

Included in registration fee

*Centennial Ballroom Foyer, Level 3*



If you are a new IBTTA member or if this will be your first-ever IBTTA Annual Meeting, make the most of your experience and attend this

informal reception. Meet IBTTA Officers, Board of Directors, IBTTA members and staff, and learn how to take advantage of your IBTTA membership and make the most of your Annual Meeting experience!

## OPENING EVENT AT DENVER PERFORMING ARTS COMPLEX – SCULPTURE PARK

Sunday, September 11, 2016

6:00pm – 9:30pm

Included in Delegate, Speaker and Guest registration fees

Dress: Casual and comfortable



**DENVER**  
PERFORMING  
ARTS COMPLEX

The Sculpture Park is the location of our opening event on

Sunday evening. It is a short, three-block walk from the hotel and there will be staff on site to guide everyone.

Dress is very casual and you should consider the weather,

just in case we experience a quick Denver downpour! This networking event will be a great opportunity to visit with your friends and colleagues while eating and drinking local fare and enjoying the fun music of Green River Ordinance (GRO), a great band from Fort Worth, Texas. We'll also have some special events around the grounds and plenty of seating to start your meeting off in a relaxing way under the stars. See you there!!

Sponsored by: **HR** and **HNTB**

## RECEPTION WITH EXHIBITS

Monday, September 12, 2016

5:30pm – 7:00pm

Included in registration fee

*Centennial Ballroom, Level 3*

Join us in the Exhibit Hall Monday evening following the sessions for some networking before the LoDo Street Party. This is a perfect opportunity to wander through the exhibit hall and spend some dedicated (but fun) time learning about the latest products and services, reconnecting with suppliers and consultants and meeting lots of new companies who have ideas for improving your business.



## CLOSING RECEPTION & BANQUET

Tuesday, September 13, 2016

7:00pm – 10:00pm

Included in Delegate, Speaker and Guest registration fees

Dress: Cocktail, ties optional

*Capitol Ballroom, Level 4*

Sponsored by: **RS&H**



Spend the evening celebrating our time in Denver during the closing of our Annual Meeting & Exhibition. If you've attended this closing event before, you know that it's always a lot of fun; if this is your first time joining us, you'll quickly learn that it's always special. We hope to see you there to thank you and hear your reflections about the meeting.

## EVENING EVENT



### LoDo Street Party

Monday, September 12, 2016

7:00pm – 11:00pm

Included in Delegate, Speaker and Guest registration fees

Dress: Casual and comfortable

#### SPONSOR HOSTS

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CONSULTING | 20 YEARS

**WSP** | **PARSONS  
BRINCKERHOFF**

Join your friends and colleagues in Denver's Lower Downtown (LoDo) District for the *LoDo Street Party* following the reception in the Exhibit Hall. **This is our official Monday Night Event, hosted by eight IBTTA member companies, for all registered attendees!** The event will take place in venues on Market and Larimer Streets between 14th and 15th Streets, a short walk or ride. IBTTA sponsored venues will be well marked so you can pop from one to the other and enjoy a variety of good food, drink and music. Venues are sponsored by the IBTTA member companies listed to the left who have worked to create seven unique experiences for you. Additional information and details about each venue's theme is included in the LoDo passport, included in your registration packet. Dress casually and for the weather.

#### Remember to bring:

- 1) Your wristband
- 2) Your LoDo passport and
- 3) Your identification!

Enjoy a fun night of networking and excitement in this great city!

# PROGRAM AGENDA

## PRE-ANNUAL MEETING EVENTS

### THURSDAY, SEPTEMBER 8

10:00am – 3:00pm

**IBTTA Executive Committee Meeting**  
(by invitation)

3:00pm – 5:00pm

**Platinum Sponsors Advisory Council**  
*Granite C, Level 3*  
(by invitation)

### FRIDAY, SEPTEMBER 9

9:00am – 5:00pm

**IBTTA Board of Directors & Committee Meetings**  
*Quartz, Level 3*  
(all members welcome)

6:30pm – 10:00pm

**IBTTA Board, Past Presidents, Honorary Members & Host Dinner**  
*Meet in lobby at 6:00pm*  
(by invitation)

### SATURDAY, SEPTEMBER 10

6:00am – 2:00pm

**IBTTA Foundation Golf Tournament**  
*Meet in lobby at 5:30am. Buses depart promptly at 6:00am.*

3:00pm – 5:15pm

**SOCIAL TOUR –  
DENVER WALKING MICROBREW TOUR**  
*Meet in lobby at 2:30pm*  
(see page 10 for details)

## IBTTA 84<sup>th</sup> Annual Meeting & Exhibition

### SUNDAY, SEPTEMBER 11

7:30am – 9:30am & 2:00pm – 6:00pm

**REGISTRATION**  
*Capitol Ballroom Foyer*

8:00am – 6:00pm

**EXHIBIT SET UP**  
*Centennial Ballroom*

9:00am – Noon

**TECHNICAL TOURS (TWO CONCURRENT)**

*Meet in lobby at 8:30am*

- E-470 Public Highway Authority
  - Colorado DOT, Northwest Parkway and Plenary Roads Denver
- (see page 10 for details)

9:00am – Noon

**SOCIAL TOUR – DENVER CITY AND  
BOTANIC GARDENS TOUR**

*Meet in lobby at 8:30am*  
(see page 10 for details)

1:00pm – 3:00pm

**EXECUTIVE ROUNDTABLE** (by invitation)  
**GOVERNANCE ROUNDTABLE** (by invitation)

3:00pm – 5:00pm

**WELCOME RECEPTION FOR NEW MEMBERS & FIRST-TIME  
ATTENDEES**

*Centennial Ballroom Foyer*  
(see page 14 for details)

6:00pm – 9:30pm

**OPENING EVENT**

**Denver Performing Arts Complex – Sculpture Park**  
(see page 14 for details)

Sponsored by: **HR** and **HNTB**



## MONDAY, SEPTEMBER 12

6:00am – 7:00am  
**SUNRISE WALK**

*Meet in lobby at 5:45am*

7:00am – 5:30pm  
**REGISTRATION**

*Capitol Ballroom Foyer*

7:00am – 8:30am  
**BREAKFAST AND EXHIBIT HALL OPENING**

*Centennial Ballroom*

*(see page 30 for details)*

8:30am – 10:30am  
**OPENING BUSINESS AND WELCOMING REMARKS**

*Capitol Ballroom*

Remarks by those listed below also include the Toll Excellence Awards Ceremony and New Honorary Member Recognitions

**Lieutenant Governor Donna Lynne**, State of Colorado, Denver, CO  
**Michael Hancock**, Mayor, City & County of Denver, Denver, CO

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

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

**José Braga**, President of ASECAP and APCAP, Director, Auto-Estrades do Atlantico, Portugal

**David Machamer, CPA**, Assistant Executive Director, PIKEPASS and Toll Operations, Oklahoma Turnpike Authority and Chair, IBTTA Toll Excellence Awards Committee, Oklahoma City, OK

**Tim Stewart**, Executive Director, E-470 Public Highway Authority, Aurora, CO

9:00am – 2:00pm  
**SOCIAL TOUR – GLORIOUS RED ROCKS**

*Meet in lobby at 8:30am*

*(see page 10 for details)*

10:30am – 11:00am  
**REFRESHMENT BREAK WITH EXHIBITS**

*Centennial Ballroom*

Sponsored by:



11:00am – Noon

**KEYNOTE SPEAKER: PETE McBRIDE, NAT GEO LIVE**

*Capitol Ballroom*

*(see page 12 for details)*

Sponsored by: **AECOM**

Noon – 2:00pm  
**LUNCH WITH EXHIBITS**

*Centennial Ballroom*

Sponsored by: **Raytheon**

2:00PM – 3:30PM **GENERAL SESSION**

*Capitol Ballroom*

**FOCUS ON COLORADO – A GROWING STATE STEEPED IN INNOVATION AND COLLABORATION**

This session will give the audience a deep dive into the great state of Colorado! It will cover the many activities and innovations within the state as it relates to transportation including managed lanes, bus rapid transit, light rail and other multi-modal methods. The panel will include the Colorado DOT, tolling entities, Regional Transportation District (RTD) and the Denver Chamber of Commerce and will include discussion of the regional approach to solve demanding transportation challenges. Come learn about transportation in the Centennial state!

**MODERATOR: Heidi Williams**, Mayor, City of Thornton and Vice Chair of E-470 Public Highway Authority, Thornton, CO

**PANELISTS:**

**Tim Stewart**, Executive Director, E-470 Public Highway Authority, Aurora, CO

**Shailen Bhatt**, Executive Director, Colorado Department of Transportation, Denver, CO

**Kelly Brough**, President and CEO, Denver Metro Chamber of Commerce, Denver, CO

**Henry Stoppolecamp, P.E.**, Assistant General Manager of Capital Programs, Regional Transportation District, Denver, CO

3:30pm – 4:00pm  
**REFRESHMENT BREAK WITH EXHIBITS**

*Centennial Ballroom*

# PROGRAM AGENDA

4:00PM – 5:30PM

GENERAL SESSION

*Capitol Ballroom*

## THE EVOLUTION OF TOLLING – LEADERSHIP CHALLENGES AND OPPORTUNITIES

This session will showcase the graduates of the Leadership Academy as they outline the evolution of the tolling industry and how current and future partnerships will move the industry to new heights. If you've seen past presentations by the Leadership Academy graduates, you know you're in for a special treat.

**FACILITATORS:** John Davis, Regional Director, AECOM, Dublin, Ireland

Jorge Figueredo, Ph.D., Senior Vice President, Atkins N.A., Orlando, FL

### PARTICIPANTS:

**Brent Baker**, Vice President, WSP | Parsons Brinckerhoff, Seattle, WA

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

**Jessica Carson**, Manager of Marketing and Communications, E-470 Public Highway Authority, Aurora, CO

**Tim Garrett, P.E.**, Vice President, HNTB Corporation, Ocoee, FL

**Rebekah Hammond**, Director of Marketing and Communications, Kyra Solutions, Inc., Lakeland, FL

**Stephen Lockhart**, Chief Technology Officer, Star Systems International Ltd., Allen, TX

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

**Scott Sorensen**, Vice President, Faneuil, Inc., Hampton, VA

**Tim Sturick**, Director of Finance, Thousand Islands Bridge Authority, Alexandria Bay, NY

5:30pm – 7:00pm

## RECEPTION WITH EXHIBITS

*Centennial Ballroom*

(see page 14 for details)

7:00pm – 11:00pm

## EVENING EVENT

**LoDo Street Party**

(see page 15 for details)



TUESDAY, SEPTEMBER 13

6:00am – 7:00am

## SUNRISE WALK

*Meet in lobby at 5:45am*

7:00am – 5:30pm

## REGISTRATION

*Capitol Ballroom Foyer*

7:00am – 8:30am

## BREAKFAST WITH EXHIBITS

*Centennial Ballroom*

8:30AM – 10:00AM

GENERAL SESSION

*Capitol Ballroom*

## PROTECTING OUR CUSTOMERS – MANAGING THREATS TO CUSTOMER DATA AND PRIVACY

"Security" is a 21st century buzzword. Going beyond the obvious challenges of protecting infrastructure and people, this session will look at protecting customer data and privacy. The toll industry processes millions of electronic transactions each year worth billions of dollars. If you think your systems can't be hacked, you're wrong. And if you're sure your data is safe, think again. We'll hear from industry, law enforcement and public relations experts who will help us understand the threats, the costs of data breaches, the strategies employed to protect our systems and data and how to recover from incidents when they do happen.

**MODERATOR:** Kary Witt, Bridge Manager, Golden Gate Bridge, Highway & Transportation District, San Francisco, CA

### Intrusion Investigations and Cyber Threat Landscape

**Malcolm Palmore**, Assistant Special Agent in Charge (ASAC), Cyber Branch, Federal Bureau of Investigation, San Francisco, CA

### Crisis Communications News Cycle and Interactive Simulation

**Rhonda Bentz**, President & CEO, Bentz Strategies LLC, Washington, DC

### Response & Prevention

**Major General John Davis (Ret)**, U.S. Army, Vice President – Federal, Chief Security Officer, Palo Alto Networks, Reston, VA

### Data Breach: Impact Reduction

**Rush Taggart**, Chief Technology Officer, CardConnect, King of Prussia, PA

9:00am – 2:00pm

## SOCIAL TOUR – BEST OF BOULDER

*Meet in lobby at 8:30am*

(see page 10 for details)

10:00am – 10:30am

## REFRESHMENT BREAK WITH EXHIBITS

*Centennial Ballroom*

Sponsored by: **FirstSouthwest**   
A Division of Hilltop Securities.

There are three concurrent tracks running throughout the day.

10:30AM – NOON

BREAKOUT SESSIONS

## PEOPLE BREAKOUT TRACK

*Mineral D-G*

### Putting Big Data to Work

Big Data has arrived and it's here to stay! So don't be afraid of it, embrace it! This session will provide an overview of Big Data in the tolling industry, including a roadmap of how to effectively mine the information and agency success stories of putting it to work. Presenters will share their expertise on using data that is available in the tolling industry, and how to create powerful and visually appealing dashboards with this information, to develop comprehensive and insightful views of our customers, as well as cases to improve business intelligence in an effort to enhance the efficiency and effectiveness of an organization.

**MODERATOR: Jessica Carson**, Manager of Marketing and Communications, E-470 Public Highway Authority, Aurora, CO

**The Reduction of Traffic Congestion and Accidents by Using Big Data in Japan**

**Toshiyuki Oka, P.E., JP**, Engineer, NEXCO-Central, Nagoya, Aichi, Japan

**Using Big Data to Understand Your Customers**

**Pat Riley**, Vice President, Business Development, Cogensia, Schaumburg, IL

**Using Data Streams to Provide Motorist Aid Services in Real Time**

**Christopher Warren, P.E.**, Director of Operations, HDR | ICA, Orlando, FL

## PARTNERSHIPS BREAKOUT TRACK

*Mineral A-C*

### Funding/Financing – Show Me the Money!

Agencies across the country are constantly looking for ways to finance/fund their transportation projects and this session will present the different aspects and approaches used to analyze and finance tolling projects, such as credit impacts when financing a project, effects that variable tolling has on an agency's revenue projections, how the use of availability payments can help finance a project and the effects of funding from a state perspective.

**MODERATOR: Dennis Enright**, Principal, NW Financial Group, Hoboken, NJ

**Texas, Tolling and New Revenue – What's the Right Formula?**

**Representative Ron Simmons**, Texas House of Representatives, District 65, Carrollton, TX

**Credit Implications of Financing Alternatives and Structures**

**Maria Matesanz**, Senior Vice President, Global Project Finance and Infrastructure Group, Moody's Investors Service, New York, NY

**The Effects of Variable Tolling on Revenue Forecasting**

**Bob McQueen**, Senior Advisor, Kyra Solutions, Inc., Apopka, FL

## PROGRESS BREAKOUT TRACK

*Capitol Ballroom*

### Alternative Policies: Fuel for Thought

Even though the FAST Act offers a short-term reprieve, everyone agrees it is not the silver bullet to fix U.S. transportation infrastructure funding in the long run. Congress must still work hard to find alternatives to the fuel tax. So what's next? "User Fee" based financial models such as tolling, VMT and congestion charging may well be potential alternatives. But will there be others? And if so, how will these models evolve and coexist? Will there be a one-size-fits-all alternative or a set of options for States to pick and choose from? What role will the States play? Developing market sectors and new business models arise from breakthrough technologies, which most probably will develop over the next years – disrupting our industry. Who will drive this movement? Who will the Players be? What does it mean for Tolling? In the capital markets, end-users/customers usually dictate how they prefer to pay for products and services. Will it be the same case for Mobility?

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

**Funding Innovation through the FAST Act**

**William Estes**, Senior Counsel, Pannone Lopes Devereaux & West LLC, White Plains, NY

**Sustainability of Connected Vehicles**

**Martin Stone, Ph.D., AICP**, General Manager, Egis, Tampa, FL

**A Study to Evaluate Express Toll Lanes on Florida's Turnpike**

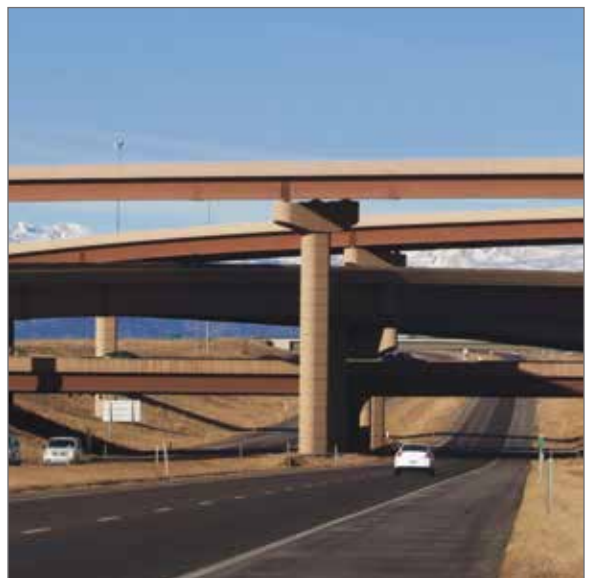
**Saad Shbaklo**, Associate Vice President, HNTB Corporation, Ocoee, FL

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Noon – 2:00pm

LUNCH WITH EXHIBITS

*Centennial Ballroom*



# PROGRAM AGENDA

2:00PM – 3:30PM

BREAKOUT SESSIONS

## PEOPLE BREAKOUT TRACK

*Mineral D-G*

### Content Marketing and New Media in the Digital Age

Communications doesn't start or end with an advertising or public involvement campaign. An organization's messaging is much bigger and much more important than any one PR, advertising or marketing tactic. Today's stakeholders are consuming data/information at an exponential rate. They are looking for what you have done, what you are doing now and what you are planning to do. They are searching for simple visual explanations to complex issues and are engaging on issues with or without your message. This session will cover the successful communications method and tools organizations are using to demonstrate accountability and effective public stewardship.

**MODERATOR: Patricia Mosher**, Senior Vice President, Director of Strategic Planning and Communications, HNTB Corporation, Kansas City, MO

### Video – Beyond Tolling and Enforcement

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

### Building and Sustaining Public Engagement

**Dee Anne Heath**, Director of External Affairs, Central Texas Regional Mobility Authority, Austin, TX

### Using Smart Phone Apps to Improve Customers' Experience on Florida's Turnpike

**Alison Stettner**, Turnpike Planning Manager, Florida's Turnpike Enterprise, Orlando, FL

## PARTNERSHIPS BREAKOUT TRACK

*Mineral A-C*

### Collaboration and Partnering in Tolling – Colorado's Journey

Partnering is becoming the paradigm for the toll industry in the United States, variously involving grass roots local governments, regional public-public partnerships, state DOTs, federal agencies and concessionaires. In some ways typical, in some ways not, Colorado's tolling journey to the present, consistent with its western roots, has been a bit of a wild ride. In modern times, tolling came about because of bitter contention between the State of Colorado and several of Denver's major suburbs. From there, with substantial effort by state, regional and local leaders, Colorado's tolling has progressed from "the road to nowhere" to three public highway authorities, cutting-edge concessions and a Colorado DOT actively expanding the tolling of essential managed lanes. Public-public and public-private partnering has arrived in a big way in Colorado tolling. Our partnering provides myriad examples of regional cooperation and innovation.

**MODERATOR: Rami Harb, Ph.D., P.E.**, Project Director, Atkins N.A., Orlando, FL

**Tamara Seaver, Esq.**, Icenogle Seaver Pogue, P.C., Denver, CO

**Jason Myers, CPA, CGMA**, Director of Finance, E-470 Public Highway Authority, Aurora, CO

**Pedro Costa, P.E.**, Chief Executive Officer, Northwest Parkway, Denver, CO

**David Spector**, Director, High Performance Transportation Enterprise, Colorado Department of Transportation, Denver, CO

**Terry Ostrom**, Senior Vice President, Project Delivery, Plenary Group, Denver, CO

## PROGRESS BREAKOUT TRACK

*Capitol Ballroom*

### Interoperability Progress Across the Globe

This session will update the audience on various interoperability initiatives from around the world including the United States, Europe, Japan, South Africa and South America. This session will provide an update on current initiatives, next steps, challenges and end goals, as well as address some of the current questions that remain.

**MODERATOR: Hubert Resch**, Managing Director, ASFINAG, Vienna, Austria

### National Interoperability in the U.S. – How Will the U.S. Comply with a Congressional Mandate?

**P.J. Wilkins**, Executive Director, E-ZPass Group, Wilmington, DE

### The South African Experience

**Neil Tolmie**, Chief Executive Officer, N3 Toll Concession (Pty) Ltd., Highveld Park, South Africa

### The Good, The Bad and The Ugly – Irish Interoperability

**Cathal Masterson, CEng**, Head of Tolling, Transport Infrastructure Ireland, Dublin, Ireland

### Mexico – Moving to National Interoperability

**Richard Arce, CPM**, Executive Director & Managing Director, Computer Aid, Inc. - Tolls Practice, Coconut Creek, FL

### On the Move – Getting EETS Off the Ground

**Gabriele Benedetto**, Chief Executive Officer, Telepass SpA, Rome, Italy

### Asia Update – Challenges & Progress

**Robert Karr**, Managing Director, STAR Systems International, Limited, Kwai Chung, NT, Hong Kong

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3:30pm – 4:00pm

## REFRESHMENT BREAK WITH EXHIBITS

*Centennial Ballroom*

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4:00pm – 6:00pm  
EXHIBIT TEAR DOWN  
Centennial Ballroom

## PROGRESS BREAKOUT TRACK

Capitol Ballroom

### Driving Sustainability Through Technology

Technology and sustainability are becoming more and more commingled as the term “mobility” evolves to include not only the marriage of tolling and transit, but also Smart Cities, Autonomous Vehicles, VII, Google and Apple Pay. These are just a few examples of the emerging technologies and widespread changes to impact our industry in the next 5-10 years. What does the future landscape of mobility look like from the technological perspective? Are these technologies sustainable? What does sustainability mean in the context of mobility?

**MODERATOR:** Josef Czako, President & CEO, Moving Forward Consulting, Ltd., Bonn, Germany

### Chaos Unleashed – How Can the Toll Industry Take Advantage of Autonomous Vehicles?

**Richard Mudge, Ph.D.**, President, Compass Transportation and Technology Inc., Potomac, MD

### Optimizing Enterprise Road Asset Infrastructure with Data Analytics

**William Rapp**, Sales Executive, AgileAssets Inc., Austin, TX

### Uber, AVs, Mobile Payments and Other Industry Disrupters

**David Cummins**, Senior Vice President, Xerox, Germantown, MD

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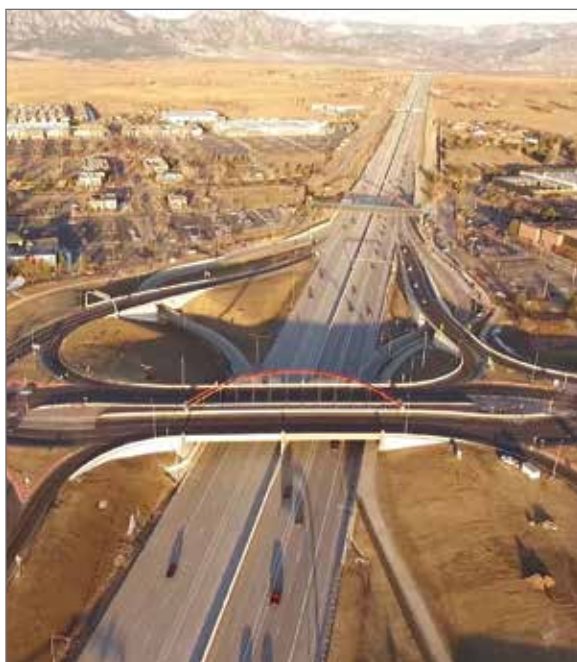
7:00pm – 10:00pm

## CLOSING RECEPTION & BANQUET

Capitol Ballroom

(see page 14 for details)

Sponsored by: **RS&H**



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4:00PM – 5:30PM

BREAKOUT SESSIONS

## PEOPLE BREAKOUT TRACK

Mineral D-G

### Privacy, Security & Data Protection

Information security is protecting data and systems from those who are seeking to misuse it. This session will dive deep into information security examining protection of both data and customer privacy. Tracking new developments around this topic is no easy feat, to say the least.

**MODERATOR:** Willy Dommen, Regional Transportation Lead, Accenture LLP, San Anselmo, CA

### Security and 6C

**Stephen Lockhart**, Chief Technology Officer, Star Systems International Ltd., Allen, TX

### Securing Vulnerabilities in the Tolling Industry

**Donovan Young**, Senior Toll Consultant, TTI Consulting, Rhinebeck, NY

### Multi-Layered Security for Road User Charging Service Providers

**Jon Wade**, Security and Compliance Manager, emovis, Leeds, England

## PARTNERSHIPS BREAKOUT TRACK

Mineral A-C

### Partnering to Improve Customer Service

As businesses, toll agencies must be focused on providing a high level of customer service to drivers in order to attract them to their facilities and ultimately drive toll revenue. Tourism is an important element of this customer equation. As states across the country see a proliferation of toll facilities, many of which are all-electronic, it is critical that toll agencies work closely with rental car agencies to ensure a positive customer experience for the tourist! What if we could begin again to develop the right model for rental car agencies to provide toll awareness to its customers and for toll agencies to support those efforts? This session will provide an opportunity for an open discussion with the goal of improving the customer experience while lowering processing costs to the agencies.

**MODERATOR:** Diane Gutierrez-Scaccetti, Executive Director and CEO, Florida's Turnpike Enterprise, Ocoee, FL

**Philip Underhill**, Vice President, PlatePass Operations, American Traffic Solutions, Inc., Mesa, AZ

**Jack Henneman**, Project Director, Atkins N.A., Gaithersburg, MD

**Glenn Deitiker**, President and Chief Technology Officer, BancPass, Inc., Austin, TX

**Carol Kuester**, Director, Bay Area Toll Authority, Metropolitan Transportation Commission, Oakland, CA

## WEDNESDAY, SEPTEMBER 14

7:00am – 10:30am

### REGISTRATION

Capitol Ballroom Foyer

7:00am – 8:30am

### BREAKFAST

Capitol Ballroom Foyer

8:30AM – 10:30AM

GENERAL SESSION

Capitol Ballroom

### PREVIEW OF THE 85<sup>TH</sup> ANNUAL MEETING IN ATLANTA, GEORGIA

**Christopher Tomlinson**, Executive Director and Board Secretary, State Road & Tollway Authority, Atlanta, GA

### PREPARING FOR PROGRESS – WHAT'S ON THE MAP AHEAD?

Great leaders position their organizations for success by taking proactive steps to prepare for future technologies, initiatives and policy changes. This session will explore how industry leaders are preparing their organizations today for the changes that are coming tomorrow, including connected and autonomous vehicles, multi-modal corridors, managed motorways and smart cities.

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

#### Illinois Tollway's Vision for the Future

**Rocco Zuccherro**, Chief of Planning, Illinois Tollway, Downers Grove, IL

#### "Kan" Do

**Steve Hewitt**, CEO, Kansas Turnpike Authority, Wichita, KS

#### Road Management in the Next Decade – Theses to Successfully Become a Well-Received Service Provider!

**René Moser**, Head of Strategy, International Relations & Innovation, ASFINAG, Vienna, Austria

#### Traffic Safety – It's a Commitment, Not Just a Communications Campaign

**Bill Halkias, P.E.**, President, HELLASTRON and Managing Director & CEO, Attikes Diadromes SA, Athens, Greece

#### Success through Innovation – Customer Service, Management & Technology

**Laura Kelley**, Executive Director, Central Florida Expressway Authority (CFX), Orlando, FL

### IBTTA Business Meeting

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

### CEO Report

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

### Financial Report

**George Zilocchi, CPA**, Consultant, HNTB Corporation, Chair, Finance Committee and IBTTA Past President, Little Ferry, NJ

### Nominating Committee

**Javier Rodriguez, P.E.**, Executive Director, Miami-Dade Expressway Authority and Immediate Past President, IBTTA, Miami, FL

10:30am

### MEETING ADJOURNS

# See You Next Year in **ATLANTA!**



85<sup>TH</sup>  
ANNUAL MEETING & EXHIBITION  
**IBTTA**  
*atlanta*  
SEPTEMBER 10-13, 2017

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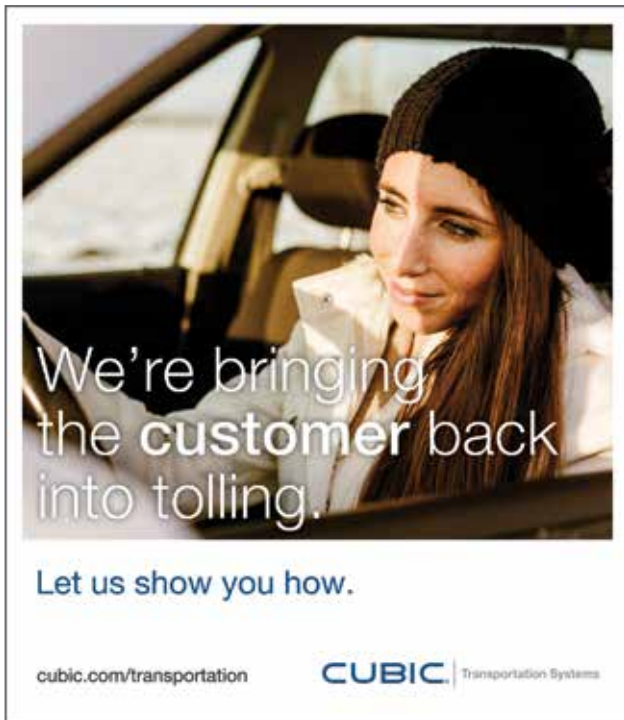
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TOP: New Jersey Turnpike Authority 6 to 9 Widening | LEFT: I-10 Express, Dallas | RIGHT: Miami Dade Expressway Authority

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Xerox is a Fortune 500 company supporting client operations worldwide. We are in partnership with state and

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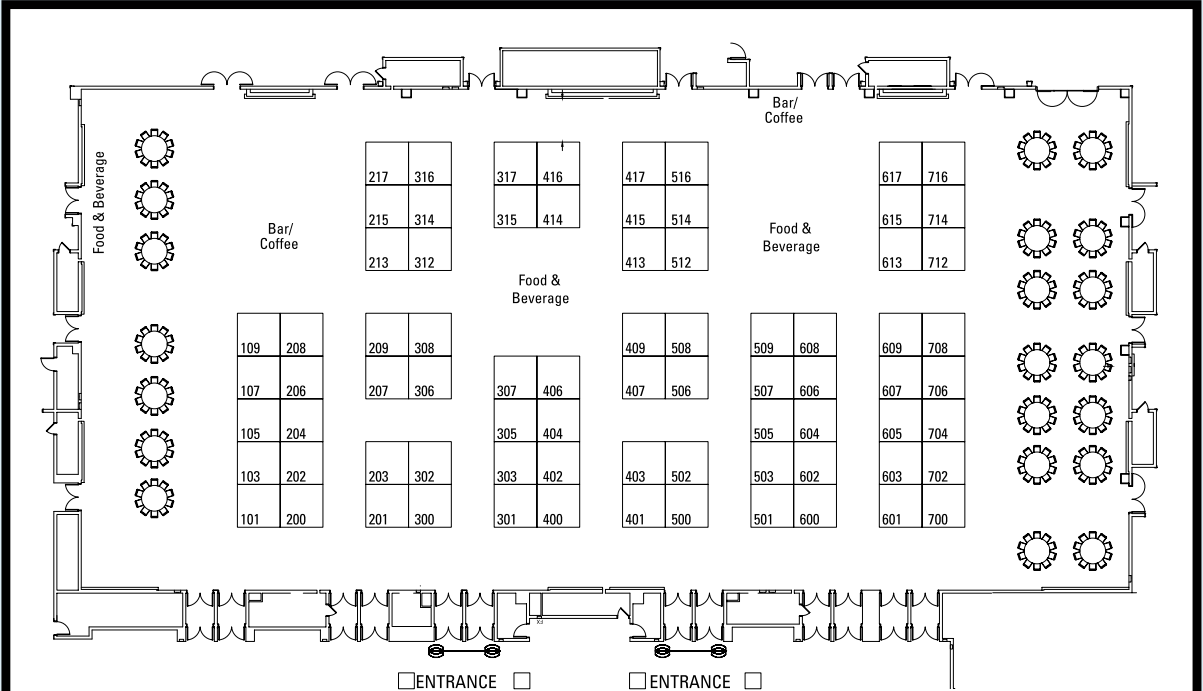
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Raytheon's All Electronic Tolling System converts opportunities into revenue for our customers. Our market-leading solution delivers superior image clarity and automation that maximizes income collection while helping to reduce carbon emissions and highway congestion. Raytheon Company, with 2015 sales of \$23 billion and 61,000 employees, is a technology and innovation leader specializing in defense, civil government and cybersecurity solutions. [www.raytheon.com/highways](http://www.raytheon.com/highways)

# EXHIBITOR DIRECTORY

## EXHIBIT HALL FLOORPLAN: CENTENNIAL BALLROOM, LEVEL 3

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### EXHIBITOR

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Caliper Corporation is a technology leader in the development of transportation analysis software. TransModeler, Caliper's traffic simulation software, is used across the US to simulate the impacts of proposed land use developments, traffic control and roadway improvement projects, and active traffic management strategies. TransModeler is the most capable microsimulation solution for ITS and managed lanes. TransCAD, TransModeler's sister product, is the most popular travel demand forecasting software among MPOs that do planning in the US. Caliper is also a highly regarded consulting and R&D provider offering professional services in quantitative management consulting, transportation, and decision support systems development. [www.caliper.com](http://www.caliper.com)

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## BOOTH 303



Duncan Solutions, Inc. specializes in toll violation and revoked customer account revenue recovery. Our delinquent account collection service is customized to meet the specific business rules of each client agency, with a unique focus on customer service. Customer contact and enforcement options include outbound calling, inbound call handling, customer service, tag holder account management, skip tracing, and civil litigation. Through our Law Enforcement Systems (LES) division, our DMVRegInfo service provides a fast, easy and cost effective way to retrieve out-of-state registered owner information from all 51 states as well as Canadian provinces. Our embedded business rules and license plate configurations for the various states deliver improved hit rates and reduces toll revenue leakage. [www.DuncanSolutions.com](http://www.DuncanSolutions.com)

## BOOTH 414



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## BOOTH 613, 615



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## BOOTH 300



eX2 Technology was specifically formed by long-term industry experts to fill an industry gap that delivers multi-faceted solutions and services to your network project with greater efficiency, less cost and a streamlined acquisition process. We specialize in financing, designing, installing and maintaining robust broadband, intelligent transportation and critical infrastructure networks for government agencies, consortiums and public-private partnerships (P3). We are a single source solutions provider that communities and public agencies trust when building or enhancing their intelligent infrastructure. Simply put – we are network design/build experts who bring financing options and creative funding alternatives to the partnership. By connecting public agencies and communities to the gigabit world, we foster economic development, advance communications, improve interoperability and public safety, innovative tele-health and enriched education. Our team has the extensive knowledge, ability and industry expertise to provide an unprecedented single source solution to our customers. We deliver tomorrow's next generation networks. [www.ex2technology.com](http://www.ex2technology.com)

## BOOTH 307



The E-ZPass Group is an association of 38 toll agencies in 16 states that operates the extremely successful E-ZPass electronic toll collection program. E-ZPass enjoys tremendous brand recognition and high levels of customer satisfaction, and is the world leader in toll interoperability, with more than 30 million E-ZPass devices in circulation. Since its inception, the E-ZPass Program has continued to be innovative by implementing E-ZPass Plus which makes paying for parking at participating airports and garages easier along with E-ZPass-on-the-GO, a convenient package that contains a prepaid tag ready for use that is sold at convenient locations such as participating local convenience stores, rest areas and DMV's. [www.e-zpassiag.com](http://www.e-zpassiag.com)

## BOOTH 502



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## BOOTH 203



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## BOOTH 403



See the possibilities

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## BOOTH 208



Kapsch TrafficCom is a provider of intelligent transportation systems (ITS) in

the segments of toll collection, traffic management, safety and security, smart urban mobility and connected cars. The end-to-end solutions of Kapsch TrafficCom cover the entire value creation chain of its customers as a one-stop shop, from components and design to the installation and operation of systems. The core business comprises the development, installation and operation of electronic toll collection and traffic management systems. References in 44 countries on all continents have made Kapsch TrafficCom a globally recognized ITS provider. As part of the Kapsch Group, an Austrian family-owned technology group founded in 1892, Kapsch TrafficCom is headquartered in Vienna, Austria, and has subsidiaries and branches in 30 countries. It has been listed since 2007 on the Vienna Stock Exchange (KTCG) and generated revenues of EUR 526 million in the fiscal year 2015/16 with over 3,700 employees. [www.kapsch.net](http://www.kapsch.net)

## BOOTH 406



Linebarger Goggan Blair & Sampson, LLP (Linebarger Goggan) is a national law firm focused on collecting delinquent government receivables, including toll violations, parking

tickets, traffic citations, court fees and fines, taxes, and other receivables. For over 40 years the firm has provided customized collection programs for its public-sector clientele. Linebarger Goggan offers tolling authorities the full gamut of collection services ranging from skip tracing, demand notices and phone calls, to legal

representation in the administrative hearing process, litigation and bankruptcy, and when appropriate, the pursuit of pre- and post-judgment remedies. Whether it is delinquent tolls or toll-tag accounts, or damage claims and cost recovery, we can help. Our collection programs generate more revenue for our tollway clientele while providing them and their users with great customer care and professionalism. [www.lgbs.com](http://www.lgbs.com)

## BOOTH 507

### Milligan Partners

Milligan Partners is an agile and creative team of toll industry professionals with special expertise in operations and technology. Our practical knowledge and objective insight comes from hands-on experience working as government agency staff, product manufacturers, and system developers. Through personalized service with integrity and quality, we help clients deal with a wide spectrum of challenges and hurdles. Our work regularly includes support for policy management, procurements, system implementations, process analysis, toll violation processing, call center operations, and cash collection. [www.milliganpartners.com](http://www.milliganpartners.com)

## BOOTH 712



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](http://www.mobilebarriers.com)

## BOOTH 400



Multilink is an engineering and product development based manufacturer of

telecommunications network components, servicing the traditional CATV MSO's (Cable Television Multiple System Operators), CLEC's (Competitive Local Exchange Carriers), RBOC's (Regional Bell Operating Companies), Independent Telco's, Regulated Utilities, and LAN (Local Area Network) providers and end users. The core business was developed in the United States and remains there, while an aggressive global marketing plan has been developed and put into place to keep pace with the ever-expanding marketplace. [www.gomultilink.com](http://www.gomultilink.com)

## BOOTH 608



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](http://global.c-nexco.co.jp)

# EXHIBITOR PROFILES

## BOOTH 509



Pavement Technology, Inc., since 1972, has provided state of the art products and services to the public works professional in the area of pavement preservation and recycling. Our preservation tool box includes Reclamite® Asphalt Rejuvenator, Cyclogen® Asphalt Recycling Additive and JOINTBOND® Longitudinal Joint Stabilizer. We offer concrete preservatives Litho1000® In-Depth Concrete Sealer and SurfCrete® Polymer Bonded Resurfacer. [www.pavetechinc.com](http://www.pavetechinc.com)

## BOOTH 207



PayTollo® is a mobile payment platform for toll roads and bridges, allowing Toll Authorities and drivers an alternative payment option. Core to the PayTollo Platform is our patent pending GPS Toll Recognition Technology (TRT). TRT, our proprietary algorithm and user interface, allows the ability to notify, verify and charge a user for toll crossings. Additionally, our platform technology includes account management, payment processing, and customer service. PayTollo is a complete "end to end" solution for the casual or infrequent driver. PayTollo enables the Toll Authority to reduce DMV look-ups, billed invoices, and get real-time verification. We reduce Toll Authority costs and time needed to collect funds. All Toll Authority Clients have access to online dashboards for Executive or IT level management reports to monitor PayTollo users within the toll agency infrastructure. [www.paytollo.com](http://www.paytollo.com)

## BOOTH 213



Penn Credit Corporation is a leading provider of delinquent account collection services to public and private entities throughout the United States. Founded in 1987, we customize collection solutions and use the highest ethical standards to earn an unsurpassed reputation for attaining optimum results and a superior level of service for our clients. Penn Credit has extensive experience collecting delinquent toll violations and negative balance accounts, parking and red light/speed camera violations. We have access to all state and Canadian DMVs and can provide vehicle registration retrieval for your toll agency at an extremely competitive price. [www.PennCredit.com](http://www.PennCredit.com)

## BOOTH 413, 415



Perceptics engineers and delivers the most

accurate and high performance imaging systems in the industry. Our technologies produce highly accurate intelligence to help our customers make informed decisions. For more than 35 years we have designed vehicle identification and license plate recognition products that serve Border Security, Electronic Toll Collection, Commercial Vehicle Enforcement, and Highway & City Security. 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](http://www.perceptics.com)

## BOOTH 404



Perdue Brandon Fielder Collins & Mott, L.L.P., is one

of the oldest, largest and most experienced law firms providing collection services exclusively to public entities and agencies. Founded in 1970 in Texas, Perdue Brandon has 12 offices, 5 call centers and over 400 employees. Our largest office in Houston is home to our toll road collections division. The firm's attorneys and professional staff collect: toll violations, photo enforcement, state receivables/taxes, court fines, parking citations and other receivables owed to local governments and agencies. We also provide litigation services as part of our toll road collection representation. Perdue Brandon's proprietary collection management software integrates with over 50 different software systems used by our government clients in their billing and collection process. Our staff of professional programmers is led by a senior programmer who came out of the toll road software development industry. [www.pbfc.com](http://www.pbfc.com)

## BOOTH 315



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](http://www.pexco.com/traffic)

## BOOTH 601

### POLY-CARB

POLY-CARB, Inc. is a wholly owned subsidiary of The Olin Chemical Company. In 1973, POLY-CARB set out to serve society by providing high-quality, environmentally safe solutions to combat infrastructure erosion problems. Today, Olin/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 Olin's advanced technology and science, Olin/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](http://www.poly-carb.com)

## BOOTH 301

### protiviti®

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Protiviti is a global business consulting and internal audit firm composed of experts specializing in risk, advisory and transaction services. We help solve problems in finance and transactions, operations, technology, litigation, governance, risk, and compliance. Our highly trained, results-oriented professionals provide a unique perspective on a wide range of critical business issues. Protiviti and its independently owned Member Firms serve clients through a network of more than 70 locations in over 20 countries. Our more than 3,800 professionals provide a host of consulting and internal audit solutions to over 60 percent of FORTUNE 1000® and 35 percent of FORTUNE Global 500® companies. We partner and advise our clients on critical business problems in Business Performance Improvement, Data Management and Advanced Analytics, IT Consulting, Risk and Compliance, Internal Audit and Financial Advisory, Transaction Services, and Restructuring and Litigation. [www.protiviti.com](http://www.protiviti.com)

## BOOTH 200



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 IBTTA; we're at Booth 200. 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](http://www.PSS-Innovations.com)

## BOOTH 500

### SESA

SES America is innovative ITS solutions manufacturer focused on providing dynamic message signs, blank out signs, solar power systems for ITS devices, and retrofit packages to clients across the United States. Our sole business commitment is LED Signage for roadways, tollways, tunnels, and bridges. With our new DMS Connect, we can deliver travel time direct to DMS without software, traffic operations, or any maintenance issues. With the most energy efficient DMS and blank out signs in the industry, our customized, client centric approach includes free sign design services and solar power assessments. We understand reducing maintenance costs and labor are key pain points for traffic operators and our efficient Electrical designs prove it requiring no cooling or ventilation. SESA has a long history of pilot project development. [www.sesamerica.com](http://www.sesamerica.com)

## BOOTH 501, 503

### SICK

SICK Profiling, classifying and detecting vehicles at all traffic speeds, SICK sensor solutions increase the accuracy of your toll collections. Tracking vehicles in intersections or monitoring dangerous traffic conditions is possible due to the technology from SICK. Laser-based solutions designed to withstand harsh outdoor environments are easy to setup while time-of-flight technology solutions ensure maximum application reliability. [www.sickusa.com/traffic](http://www.sickusa.com/traffic)

## BOOTH 512



The CMI Group is a full-service accounts receivable management firm providing leading-edge solutions to clients since 1985. Through our subsidiaries, A to Z Call Center Services and Credit Management, we deliver innovative first- and third-party debt collections solutions resulting in enhanced operational efficiency and superior increases in revenue for our clients. We also offer an aged inventory management (AIM) program. We have a multi-decade history of serving our industry and its clients with integrity and personal service. Our employees have an ownership interest in the company, which enhances their commitment to meet both company and client objectives. Each employee has a stake in growing the business and providing clients with exceptional care. Through sustained involvement in industry associations and compliance boards as well as extensive internal organizational and operational investments, we demonstrate a deep commitment to meeting client goals with creativity and excellence. [www.thecmigroup.com](http://www.thecmigroup.com)

## BOOTH 600



TollPlus Inc. is a software company that specializes in Toll Road Back Office (BOS), Image Processing and Clearing House Systems. Our passion is finding advanced solutions for the challenges of the modern high-volume transaction and revenue collection business. Our products were developed using advanced technologies that focus on significantly improving transportation agency efficiencies by reducing "Operating Expenses" and "Increasing Revenue", while ensuring the

# EXHIBITOR PROFILES

highest level of service to our customers. Beginning development in 2008 and using the latest technologies, our team has created best-in-class systems that are comprehensive, scalable, lightweight, secure, and highly customizable enterprise technology built for the automated management of modern toll roads, parking facilities, ferry, metro and other transit operations. [www.tollplus.com](http://www.tollplus.com)

## BOOTH 609



TrafficVision is a dynamic ITS software company that provides a value-added layer of intelligence analyzing existing traffic camera feeds. With this TrafficVisionTMC software in a traffic management center, highway and tollway management agencies can be proactively alerted to incidents in real time and can collect highly accurate data in a non-intrusive way. TrafficVisionTMC can seamlessly integrate into an agency's architecture and use the existing ITS infrastructure to make sense of the overwhelming numbers of cameras, reducing incident response times and deployment costs for data collection, leading to enhanced safety for motorists and effectiveness of an agency's ITS program. [www.trafficvision.com](http://www.trafficvision.com)

## BOOTH 407, 409, 506, 508



TransCore provides fully-engineered transportation solutions for Tolling and Traffic Management systems. A pioneer in tolling, we design, manufacture and maintain complete roadside toll collection systems, providing full-scale operations and maintenance services for nearly half of all U.S. toll lanes. Our Back Office system combines advanced financial management software with 30 years of proven customer service excellence. As the largest firm focused on ITS solutions in the U.S., we design and deploy traffic management systems for agencies across North America, and currently manage more than 21,000 intersections across the globe. Our history of supporting the transportation industry dates back to the early 1930s with the country's first toll road in Pennsylvania, and in the 1980s with the development of RFID transportation applications at Los Alamos National Labs. Our RFID systems provide secure and interoperable access for airports, hospitals, parking garages, border patrols, trucking fleets, and the toll and rail industries. [www.transcore.com](http://www.transcore.com)

## BOOTH 402



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](http://www.trinityhighway.com)

## BOOTH 302



Versilis Inc., is dedicated to the development of innovative solutions that maximize road safety while minimizing impact on traffic flow. The highway traffic gate called SwiftGate was designed by Versilis traffic engineers to allow safe and effective highway lane closure. Used for HOV reversible and Toll lane control, on-ramp and off-ramp control and for Bridge/Tunnel emergency closure, it is the most advanced traffic gate solution on the market. Substantial in size, this highly visible traffic gate with LED lighting sends a clear message that a lane is closed. The gate has been crash tested to NCHRP 350 requirements and is accepted by the FHWA. Tested and proven in the most adverse environmental conditions, this gate is here to last. [www.versilis.com](http://www.versilis.com)

## BOOTH 306, 308



Xerox is a Fortune 500 company supporting client operations worldwide. We are in partnership

with state and local governments, providing intelligent transportation solutions that keep people and cargo moving. Our world-class technology reduces congestion on roads, saves drivers precious time and improves productivity. If you have a transportation challenge, we will provide a solution for the present with a vision for the future. [www.xerox.com/transportation](http://www.xerox.com/transportation)

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# International Mobility Connections

## 2017 IBTTA EVENTS CALENDAR\*

### JANUARY

➤ Winter Board & Committee Meetings  
January 19-21, 2017 | Coral Gables, FL  
Westin Colonnade

### FEBRUARY

➤ Leadership Academy  
February 12-17, 2017 | Washington, DC  
Washington Marriott Georgetown

### MARCH

➤ Communications & Administration  
Workshop  
March 12-14, 2017 | Tampa, FL  
Grand Hyatt Tampa Bay

### APRIL

➤ Spring Board & Committee Meetings  
April 21-22, 2017 | Jersey City, NJ  
Hyatt Regency on the Hudson

➤ Summit on Finance, Policy, VMT  
April 23-25, 2017 | Jersey City, NJ  
Hyatt Regency on the Hudson

### MAY

➤ IBTTA Foundation Annual Service Project  
May 20, 2017 | New Orleans, LA

➤ Maintenance & Roadway Operations  
Workshop  
May 21-23, 2017 | New Orleans, LA  
Royal Sonesta

### JULY

➤ 2018 Conference Planning Ideas  
Roundtable  
July 15, 2017 | Dallas, TX  
Hilton Anatole

➤ IBTTA/TRB Joint Symposium on  
Managed Lanes & AET  
July 16-18, 2017 | Dallas, TX  
Hilton Anatole

### SEPTEMBER

➤ Fall Board & Committee Meetings  
September 7-9, 2017 | Atlanta, GA  
Atlanta Marriott Marquis

➤ 85th Annual Meeting & Exhibition  
September 10-13, 2017 | Atlanta, GA  
Atlanta Marriott Marquis

### OCTOBER

➤ International Summit of Rome  
October 15-17, 2017 | Rome, Italy  
Parco dei Principi

\* All information subject to change.

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# SCHEDULE-AT-A-GLANCE

## Pre-Annual Meeting Events

### THURSDAY, SEPTEMBER 8

10:00am – 3:00pm  
IBTTA Executive Committee Meeting  
(by invitation)

3:00pm – 5:00pm  
Platinum Sponsors Advisory Council  
(by invitation)

### FRIDAY, SEPTEMBER 9

9:00am – 5:00pm  
IBTTA Board of Directors & Committee Meetings (all members welcome)

6:30pm – 10:00pm  
IBTTA Board, Past Presidents, Honorary Members & Host Dinner (by invitation)

### SATURDAY, SEPTEMBER 10

6:00am Depart for Arrowhead  
8:00am Shotgun Start  
IBTTA Foundation Golf Tournament

3:00pm – 5:15pm  
Social Tour – Denver Walking  
Microbrew Tour

## IBTTA 84<sup>th</sup> Annual Meeting & Exhibition Agenda

### SUNDAY, SEPTEMBER 11

7:30am – 9:30am  
2:00pm – 6:00pm  
Registration

8:00am – 6:00pm  
Exhibit Set Up

9:00am – Noon  
Technical Tour of E-470 Public Highway Authority



Technical Tour of CDOT, Northwest Parkway & Plenary Roads Denver



9:00am – Noon  
Social Tour – Denver City and Botanic Gardens Tour

1:00pm – 3:00pm  
Executive Roundtable (by invitation)

Governance Roundtable (by invitation)

3:00pm – 5:00pm  
Welcome Reception for New Members & First-Time Attendees

6:00pm – 9:30pm  
Opening Event:  
Denver Performing Arts Complex – Sculpture Park



### MONDAY, SEPTEMBER 12

6:00am – 7:00am  
Sunrise Walk

7:00am – 5:30pm  
Registration

7:00am – 8:30am  
Breakfast and Exhibit Hall Opening

8:30am – Noon  
Welcoming Remarks  
Toll Excellence Awards Ceremony  
Keynote Speaker: Pete McBride

9:00am – 2:00pm  
Social Tour – Glorious Red Rocks

10:30am – 11:00am  
Refreshment Break with Exhibits

Noon – 2:00pm  
Lunch with Exhibits

2:00pm – 3:30pm  
General Session – Focus on Colorado

3:30pm – 4:00pm  
Refreshment Break with Exhibits

4:00pm – 5:30pm  
General Session – Leadership Academy

5:30pm – 7:00pm  
Reception with Exhibits

7:00pm – 11:00pm  
Evening Event:  
LoDo Street Party



### TUESDAY, SEPTEMBER 13

6:00am – 7:00am  
Sunrise Walk

7:00am – 5:30pm  
Registration

7:00am – 8:30am  
Breakfast with Exhibits

8:30am – 10:00am  
General Session

10:00am – 10:30am  
Refreshment Break with Exhibits

9:00am – 2:00pm  
Social Tour – Best of Boulder

10:30am – Noon  
Breakout Sessions

Noon – 2:00pm  
Lunch with Exhibits

2:00pm – 3:30pm  
Breakout Sessions

3:30pm – 4:00pm  
Refreshment Break with Exhibits

4:00pm – 5:30pm  
Breakout Sessions

4:00pm – 6:00pm  
Exhibit Tear Down

7:00pm – 10:00pm  
Closing Reception & Banquet

### WEDNESDAY, SEPTEMBER 14

7:00am – 10:30am  
Registration

7:00am – 8:30am  
Breakfast

8:30am – 10:30am  
Preview of the 2017 Annual Meeting in Atlanta, Georgia

General Session – Preparing for Progress  
IBTTA Business Meeting

10:30am  
Meeting Adjourns



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