

Summit on All-Electronic Tolling, Managed Lanes & Interoperability

The Technology, Science & Politics of Mobility

MIAMI

JULY 12-14, 2015

Hosted by



PROGRAM

International Bridge, Tunnel and Turnpike Association

Summit on All-Electronic Tolling, Managed Lanes & Interoperability

The Technology, Science & Politics of Mobility

Welcome to Miami, Florida and IBTTA's meeting focused on All-Electronic Tolling, Managed Lanes and Interoperability. This year, we'll focus on some important ingredients to creating successful projects – careful planning, improved outreach, exhaustive testing, project sponsorship from senior management and support from elected officials. Early-adopting agencies experienced the pain of not having these ingredients in place. But more recent project planners have been able to learn from these early projects, plan or make adjustments and then experience smoother opening days and ongoing operations. Be sure and review the full program starting on Sunday morning with a virtual tour of Florida's tolling network. And take time to visit with our exhibitors to learn about the latest products and services. Enjoy your time in Miami!

ABOUT OUR HOST



MIAMI-DADE EXPRESSWAY AUTHORITY

The Miami-Dade Expressway Authority's transportation system provides safe, affordable choices for the movement of people and goods in Miami-Dade County. The system support and sustain economic opportunities in the South Florida region. It will be equitably tolled, well-maintained, reliable, multimodal and aesthetically pleasing while also being environmentally sensitive. This system will be planned, delivered and operated in cooperation with MDX's partners in the public and private sectors.

TECHNICAL TOUR

VIRTUAL TOUR & OPEN HOUSE WITH THE FLORIDA TOLLING NETWORK

Sunday, July 12, 2015

10:00am – Noon

Fee: included in registration

This special **virtual** tour will be a chance to showcase the Florida tolling network to illustrate how the agencies collaborate and how they are impacting their individual communities. Presentations will focus on how agencies use technology to collect revenue, manage congestion and maintain a sustainable transportation network. Following the presentations, all of the agencies will move to separate tables so that participants can move from agency to agency to ask specific questions of agency team members. Don't miss this opportunity to ask questions and interact with these participating agencies of the Florida tolling network.



MONDAY EVENING EVENT – ENTERTAINMENT COMPLEX

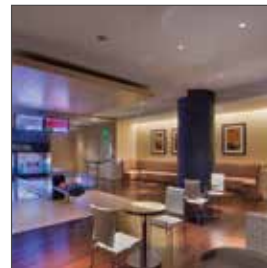
THE JW MARRIOTT MARQUIS – 19TH FLOOR

Monday, July 13, 2015

6:00pm – 10:00pm

Fee: included in registration

- The evening event is open to all registered delegates.
- This hotel is a few short blocks away from the InterContinental so there will not be any organized transportation.
If you need assistance, please let the IBTTA staff know.
- Dress is casual.



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

Co-Chief Meeting Organizers



Gregory Le Frois
HNTB Corporation



Bob Redding
MTA Bridges & Tunnels

Track Leaders

OPERATIONS TRACK

Larry Bankert, Jr.
Michael Baker
International

TECHNOLOGY TRACK

Michael Davis
RS&H

Meeting Planning Group Members

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HDR

Jeffrey Heilstedt
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Ramon Borges
EAC Consulting, Inc.

Daniel Menendez
Miami-Dade Expressway
Authority

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Keith Mullins
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Emanuela Stocchi
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Martin Stone
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Victoria Dewey
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Brian Swindell
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Tim Garrett
HNTB Corporation

Jeff Weiss
Traffic Technologies, Inc.

Mike Heiligenstein
Central Texas Regional
Mobility Authority

Brad White
AECOM

P.J. Wilkins
E-ZPass Group

HOTEL INFORMATION

LOCATION

InterContinental Miami
100 Chopin Plaza
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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

SATURDAY JULY 11, 2015

9:00am – 4:00pm

2016 CONFERENCE PLANNING IDEAS ROUNDTABLE

(Trade Room)

SUNDAY JULY 12, 2015

9:00am – 6:30pm

REGISTRATION

(Mezzanine Foyer)

9:00am – 5:00pm

SPEAKER PRESENTATION DROP OFF

(Versailles)

9:00am – 3:00pm

EXHIBIT SET UP

(Mezzanine & Biscayne Ballroom)

10:00am – Noon

VIRTUAL TOUR & OPEN HOUSE OF THE FLORIDA TOLLING NETWORK

(Versailles)

(see page 2 for details)

Noon – 1:30pm

LUNCH ON YOUR OWN

1:30pm – 2:00pm

LIGHTNING ROUND – CUSTOMER FACING APPS!

(Versailles)

MODERATOR: **Greg Le Frois, P.E.**, Vice President & Vice Chairman of Toll Market Services, HNTB Corporation, Parsippany, NJ

2:00pm – 5:00pm

MODERATED ROUNDTABLES

(Versailles)

Wildcard Roundtable

MODERATOR: **Bob Redding**, Senior Director, New Toll Initiatives, MTA Bridges and Tunnels, New York, NY

FACILITATOR: **Gail Bower**, President, Bower & Co. Consulting LLC, Philadelphia, PA

5:00pm – 6:30pm

RECEPTION WITH EXHIBITS

(Mezzanine & Biscayne Ballroom)

MONDAY JULY 13, 2015

7:00am – 5:30pm

REGISTRATION

(Mezzanine Foyer)

7:00am – 8:30am

BREAKFAST WITH EXHIBITS

(Mezzanine & Biscayne Ballroom)

8:30am – 10:30am

GENERAL SESSION

(Versailles)

8:30am – 9:15am

Opening Remarks

Javier Rodriguez, P.E., Executive Director, Miami-Dade Expressway Authority & President, IBTTA, Miami, FL

Greg Le Frois, P.E., Vice President & Vice Chairman of Toll Market Services, HNTB Corporation and Co-Chief Meeting Organizer, Parsippany, NJ

Bob Redding, Senior Director, New Toll Initiatives, MTA Bridges and Tunnels and Co-Chief Meeting Organizer, New York, NY

Jim Boxold, Secretary of Transportation, Florida Department of Transportation, Tallahassee, FL

A Celebration of the 75th Anniversary of the Pennsylvania Turnpike Commission

Alan Williamson, P.E., Senior Engineer Project Manager, Pennsylvania Turnpike Commission, Harrisburg, PA

9:15am – 10:30am

The Art of Getting to Opening Day

MODERATOR: **Greg Le Frois, P.E.**, Vice President & Vice Chairman of Toll Market Services, HNTB Corporation, Parsippany, NJ

Texas Express Lanes Project Story

Juliá Monso, Vice President, Toll Operations, Cintra, Austin, TX

Dealing with the Challenges of an Open Road Tolling Conversion in an Urban Environment

Daniel Menendez, P.E., Assistant Director of Engineering, Miami-Dade Expressway Authority, Miami, FL

Implementation of the Stockholm Congestion Tax – Perfection from Day One

Edward Hirst, Global Strategy Manager, Q-Free ASA, Oslo, Norway

95 Express Lanes – Delivering 29 Miles in 29 Months, On-Time and On-Budget

Kevin Ginnerty, P.E., Director, Project Delivery, Transurban, Alexandria, VA

10:30am – 11:00am

REFRESHMENT BREAK WITH EXHIBITS

(Mezzanine & Biscayne Ballroom)

11:00am – 12:30pm

GENERAL SESSION

FOCUS ON AET

(Versailles)

MODERATOR: Susan Buse, President, SBuse Consulting, Dallas, TX

Is 100% Possible? Cross-Israel Highway

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

A Timeline of Challenges, Lessons and Results of AET Conversion in Florida

Pete Nissen, P.E., Turnpike Construction Engineer, Florida's Turnpike Enterprise, Ft. Lauderdale, FL *and* **William Wood**, Deputy Director of Facilities & Equipment, Florida's Turnpike Enterprise, Ocoee, FL

Cash Customers Don't Disappear – Solving the AET Infrequent User Dilemma

Michael Catolico, General Manager of Performance Measurement, Illinois Tollway, Downers Grove, IL *and* **Sean Tihal, P.E.**, Senior Toll Program Manager, Jacobs Engineering Group, Inc., Chicago, IL

AET Procurement Options: A Look at Various Agency Options

John Riccardi, Senior Consultant, Traffic Technologies, Inc., New Windsor, NY

12:30pm – 2:00pm

LUNCH WITH EXHIBITS

(Mezzanine & Biscayne Ballroom)

2:00pm – 3:30pm

BREAKOUT SESSIONS

TECHNOLOGY TRACK – FOCUS ON AET

The Impact of Technology in All-Electronic Tolling

(Versailles)

MODERATOR: Steve Andriuk, Deputy Executive Director, Miami-Dade Expressway Authority, Miami, FL

How Incremental Technology Improvements Have Disrupted Tolls

Phil Miller, Associate Vice President, AECOM, Orlando, FL

Messaging Challenges in All-Electronic Tolling

Jim Powell, P.E., PTOE, Principal Engineer and Local Team Leader, CDM Smith, Lisle, IL

Today's LPR – Makes Dollars and Sense!

John Mike, Vice President, Perceptics, Farragut, TN

Dedicated Image Based Vehicle Identification & Classification Subsystems for AET

Kym Farrell, Technical Director, Managed Services, Q-Free ASA, Trondheim, Norway

OPERATIONS TRACK – FOCUS ON AET

Toll Operations Efficiencies Revisited – Have We Learned Anything Since 1990?

(Trianon)

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

Andy Lelewski, Director of Toll Road Operations, North Carolina DOT, Turnpike Authority, Raleigh, NC

Roadtrip: All-Electronic Tolling

James Hofmann, Assistant Executive Director, Operations, North Texas Tollway Authority, Dallas, TX

The Crystal Ball of Human Behavior

Samuel Johnson, Chief Toll Operations Officer, Transportation Corridor Agencies, Irvine, CA

3:30pm – 4:00pm

REFRESHMENT BREAK WITH EXHIBITS

(Mezzanine & Biscayne Ballroom)

4:00pm – 5:30pm

GENERAL SESSION

FOCUS ON MANAGED LANES

(Versailles)

MODERATOR: Tom Delaney, Vice President, Atkins, N.A., Orlando, FL

Operational Effects on Performance

Casey Cathcart, Associate Director, Fitch Ratings, New York, NY

Innovations, Realities, Opportunities and Challenges

Christopher Mwalwanda, Vice President, CDM Smith, Austin, TX

I-4 Ultimate Express Lanes

Loreen Bobo, P.E., I-4 Ultimate Construction Program Manager, Florida Department of Transportation, DeLand, FL

Transform 66

John Lawson, Chief Financial Officer, Virginia Department of Transportation, Richmond, VA

6:00pm – 10:00pm

EVENING EVENT

Entertainment Complex of JW Marriott Marquis

(19th Floor)

See page 2 for details. Also, see separate information sheet in your folder for all the details about this event. Tickets are available at the IBTTA registration desk for attendees who wish to join us but are not registered.

AGENDA

TUESDAY JULY 14, 2015

7:00am – 3:00pm

REGISTRATION

(Mezzanine Foyer)

7:00am – 8:30am

BREAKFAST WITH EXHIBITS

(Mezzanine & Biscayne Ballroom)

8:30am – 10:00am

BREAKOUT SESSIONS

TECHNOLOGY TRACK – FOCUS ON MANAGED LANES

The Impact of Technology on Managed Lanes

(Versailles)

MODERATOR: Martin Stone, Ph.D., AICP, General Manager, Egis, Orlando, FL

The Impact of Technology in Managed Lanes

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

Leveraging Technology to Mitigate Congestion

Toshi Shepard-Ohta, Senior Transportation Engineer, Managed Lanes, Bay Area Toll Authority, Metropolitan Transportation Commission, Oakland, CA

Innovative Enforcement Technology

Chris Tomlinson, Executive Director, State Road & Tollway Authority, Atlanta, GA

OPERATIONS TRACK – FOCUS ON MANAGED LANES

The Operations of Managed Lanes

(Trion)

MODERATOR: Servando Parapar, P.E., Manager, Transporte, LLC, Miami, FL

Understanding Express Lane Roadway Operational Needs

Patrick Vu, Senior Toll Consultant, Traffic Technologies, Inc., San Francisco, CA

WSDOT's Next Dynamic Pricing Algorithm – Integrating Dynamic Pricing into Existing Traffic Management Systems

Todd Merkens, Toll Engineer, Washington State Department of Transportation, Seattle, WA

Integrating Transit with Managed Lanes Projects

Steve Reich, Program Director, Center for Urban Transportation Research, University of South Florida, Tampa, FL

Managing Transit & Passenger Vehicle Traffic on Managed Lanes

Lisa Gonzalez Castañeda, P.E., Deputy Director, Harris County Toll Road Authority and Board Secretary, Houston METRO, Houston, TX

10:00am – 10:30am

REFRESHMENT BREAK WITH EXHIBITS

(Mezzanine & Biscayne Ballroom)

10:30am – Noon

BREAKOUT SESSIONS

TECHNOLOGY TRACK – FOCUS ON INTEROPERABILITY

The Technology of Interoperability

(Versailles)

MODERATOR: Bob Redding, Senior Director for New Toll Initiatives, MTA Bridges and Tunnels, New York, NY

Tolling Technology Certification – What is it and Why do we Need it?

Bill Brownsberger, Partner, Fagan Consulting, Cincinnati, OH

Who's Watching the Cash Register? Taking Lane Monitoring and Analysis to the Next Level

William Wood, Deputy Director of Facilities & Equipment, Florida's Turnpike Enterprise, Ocoee, FL

Telepass Interoperability in Europe – Adapting Process to Technology vs. Technology to Process

Ugo de Carolis, CEO, Telepass, Rome, Italy

OPERATIONS TRACK – FOCUS ON INTEROPERABILITY

The Operations of Interoperability – The Customer Experience and the Agency Brand

(Trion)

MODERATOR: Alan Williamson, P.E., Senior Engineer Project Manager, Pennsylvania Turnpike Commission, Harrisburg, PA

Turnpike Proud: Creating an Employment Brand that Increases Engagement, Retention and the Bottom Line

Lauren Hakos, Training and Development Manager, Ohio Turnpike and Infrastructure Commission, Berea, OH

Improving the Customer Experience Through Partnerships

Jennifer Szambecki, Director of Innovation & Partnerships, Kansas Turnpike Authority, Wichita, KS

Getting Toll Tags to the Cash Preferred

Craig Roberts, Director, Tolling and Transit, InComm, Taylorsville, UT



Noon – 1:30pm

LUNCH WITH EXHIBITS

(Mezzanine & Biscayne Ballroom)

1:30pm – 3:30pm

GENERAL SESSION

(Versailles)

1:30pm – 3:00pm

Focus on Interoperability

MODERATOR: Dave Kristick, Deputy Executive Director and Director of Operations, E-470 Public Highway Authority, Aurora, CO

E-ZPass Regional Interoperability

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

European Interoperability – REETS Update

Anton Sieber, Manager, ASFINAG, Vienna, Austria

Interoperability in Ireland

Steve Preece, Managing Director, Egis Projects Ireland, Dublin, Ireland

California Update

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

Florida, North Carolina, Georgia

Diane Gutierrez-Scaccetti, Executive Director, Florida's Turnpike Enterprise, Ocoee, FL

Oklahoma, Kansas, Texas

David Machamer, Assistant Executive Director, Oklahoma Turnpike Authority, Oklahoma City, OK

Washington, British Columbia

Tyler Patterson, Tolling Operations Engineer, Washington State Department of Transportation, Seattle, WA

3:00pm – 3:30pm

Wildcard Roundtable Winners and Workshop Wrap-Up

3:30pm

MEETING ADJOURNS

3:30pm – 5:30pm

ATI MEETING

(Trianon)



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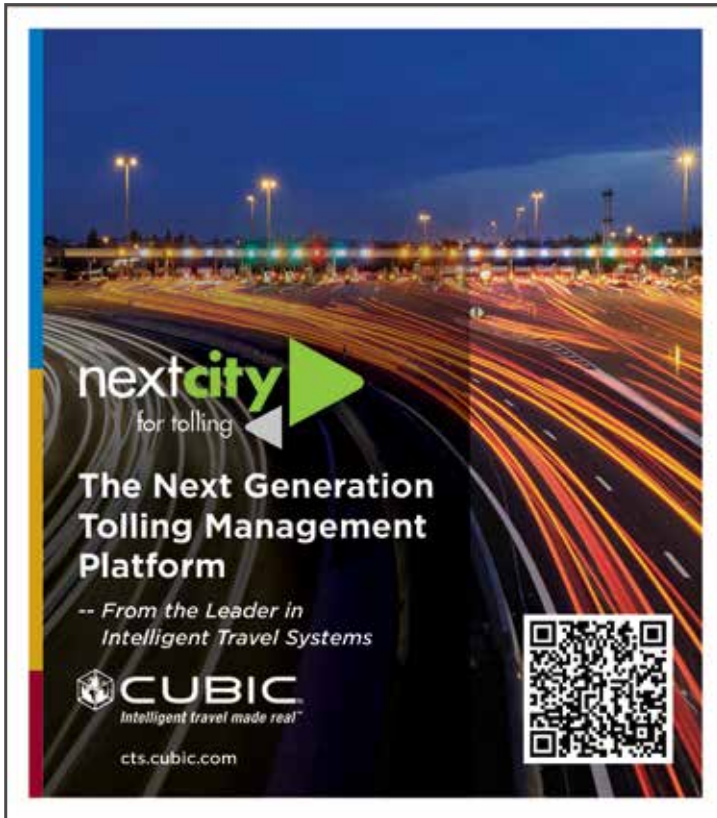
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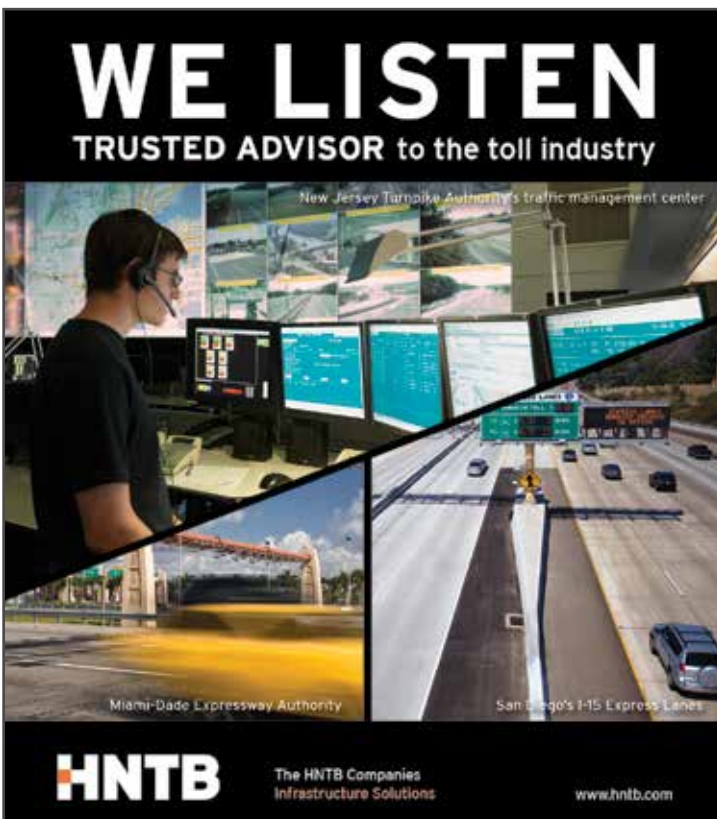
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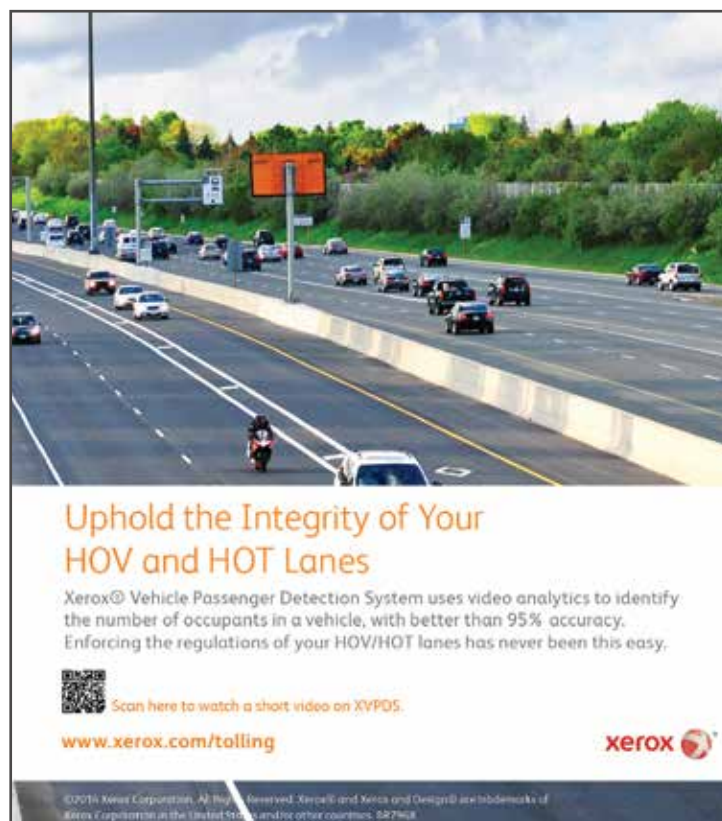
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www.kapsch.net



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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. Our DMVRegInfo service provides a fast, easy and cost effective way to retrieve out-of-state registered owner information from all 51 states and 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



Penn Credit 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



High-performance imaging systems, engineered for

accuracy. Perceptics designs and manufactures finely tuned, purpose-built license plate recognition (LPR) systems that take machine perception to a whole new level. For over 30 years, the U.S. government has trusted Perceptics LPR solutions for vehicle data collection at border crossings and security at some of the most highly sensitive facilities in the nation. Today, these high performance imaging systems are optimized for the revenue collection demands of electronic toll collection (ETC), providing more complete data capture, guaranteed accuracy, higher confidence levels, and more reliable automation capabilities to reduce the cost of collecting tolls. With imagers that can read plates other systems may not, and an OCR engine that learns from ongoing exposure to the widest possible range of plate types from across North America, Perceptics delivers performance you can truly bank on. Contact us to learn more about imaging technologies and their impact on ETC. www.perceptics.com



Perdue Brandon Fielder Collins & Mott, L.L.P., is one of the oldest and

largest law firms providing legal representation in governmental collection services. Founded in 1970 in Texas, Perdue Brandon has 13 offices with over 400 employees, including 52 attorneys. Our largest office in Houston, Texas is home to our toll road collections division. The firm's attorneys and professional staff collect delinquent toll violations, property taxes, court fines and fees, red light camera violations and other receivables owed to local governmental entities. Perdue Brandon is unique in that we tailor our strategies with a personal approach to meet or exceed our clients' expectations. Our staff of professional programmers is led by a senior programmer who came out of the toll road software industry. Our advanced proprietary collection software is fully integrable and currently works with over 50 different types of collection and receivable management software packages. www.pbfc.com

Exhibitors continued on next page.

EXHIBITORS



RIEGL USA delivers cutting edge technology in airborne, mobile, terrestrial, and the newest unmanned laser scanning solutions. From purchase, to system integration, as well as training and support, RIEGL USA stands out as a leader in the industry. The key factor to RIEGL USA's success is providing complete reliability and support to our customers. RIEGL USA is recognized as the performance leader in the mobile mapping, civil infrastructure, airborne scanning, hydrographic, terrestrial based, and unmanned industries. Our instruments are well known for ruggedness and reliability under demanding environmental conditions. RIEGL USA: Building Systems, Delivering Performance. www.rieglusa.com/index.html



SICE Inc.— Cutting edge technology at your Service. A system integrator organization that provides value engineering and “turn-key” solutions to its clients in the Transportation Industry, primarily in the Tolling Systems, Intelligent Transportation Systems (ITS) and SCADA/Security Systems for Tunnels. Managing the space-time binomial ratio within the areas of road traffic, lighting, road safety, road infrastructure and toll collection, optimization of public transportation, urban space rationalization, environmental protection, automation and control of industrial processes is a challenging process with common needs in a developing world. SICE's technological and innovative capacity combined with its solid experience in the most diverse markets, allows the organization to offer specific solutions to these common needs. SICE's international growth is based on the philosophy of “think global, act local”, where personalized services are given to the necessities identified in local markets whilst maintaining a global perspective. www.sice.com



Sensor Intelligence.

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



Star Systems International is a provider of RFID hardware, transponders and professional services. We specialize in UHF RFID and the ISO 18000-63 communications protocol. Through our international partner network we serve a broad range of Automatic Identification and Mobility vertical markets. This includes: electronic toll collection, electronic vehicle registration, parking and access control, supply chain, asset management and others. With over 40 years of aggregate experience, our team is highly technical and focused on customer support. www.star-int.net



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

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Versilis 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 there to last. www.versilis.com



Wernher von Braun
centro de pesquisas avançadas

Wernher von Braun Labs conceived and provided all technical support to multiple companies and government agencies in Brazil to implement the new AVI / ETC system based on AES128-encrypted 915MHz tags, which now have the fully-passive version in operation. On top of this technology and infrastructure, it also developed applications for logistics and electronic fiscal invoicing officially adopted by the Brazilian authorities. Based on its design, Von Braun Labs is offering its services and also direct access to all the industrial processes associated with passive, advanced secure semiconductors, sticker-tags and all required components, significantly reducing the cost of implementation. www.vonbraunlabs.com



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