



Finance and Road Usage Charging Summit

JUNE 9-11, 2024 | BALTIMORE, MD



HOSTED BY



Maryland
Transportation
Authority

Welcome to Baltimore



Welcome to the 2024 Finance and Road Usage Charging Summit!

On behalf of the Board of Directors and members of IBTTA, it is my pleasure to welcome you to beautiful Baltimore, Maryland.

This year, IBTTA's Finance and Road Usage Charging (RUC) Summit agenda looks squarely at the important issues facing infrastructure project delivery and transportation operations. State budgets are becoming more strained in the post-pandemic era and inflationary pressures are driving the cost of highway construction

and transportation service delivery on an upward trend. As we look forward, the need for new dedicated and sustainable sources of transportation revenue is pressing as vehicle efficiency and new fuels are diminishing revenues from motor fuels taxes. Today's financial management choices and strategies for the future will profoundly shape how we fund and finance road infrastructure and operations for years to come. My theme for this year's IBTTA Presidency, "Advancing Global Tolling Solutions," will serve to shape the discussions we have during this Summit with the aim of enlightening everyone on productive pathways into the future.

Our goal is simple: to delve into substantive discussions on infrastructure project delivery, project finance alternatives, toll revenue assurance, data analytics applications, risk management, and best practices in financial management, among other subjects. The RUC breakout track promises fresh insights into emerging technology trends, implementation challenges, RUC program enrollment, vehicle telematics, institutional integration, and strategies for procurement and vendor engagement. This year, our esteemed partner organizations ensure a convergence of communities committed to propelling solutions forward. We have the who's who of experts - individuals and organizations - working to move the needle on new solutions for improving roadside and back-office financial systems.

The approach to this year's summit is to reserve plenty of time for discussion and engagement. We recognize that the expertise we are assembling at this Summit is not just at the podium or on the stage, but with each of you in attendance. Please engage in the discussion and join the conversation at our sessions this year. Enjoy the opportunity to engage and be part of something meaningful. Let's work together towards safer, smarter, and more sustainable transportation facilities, systems, and services on a global scale for generations to come.

Warm regards,

Bill M. Halkias, PE, F.ASCE, F.ITE
IBTTA President
President Emeritus
HELLASTRON (Hellenic Association of Toll Roads Network)
Athens, Greece

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. www.ibtta.org



Hotel Information

Renaissance Baltimore Harborplace Hotel
202 E Pratt Street
Baltimore, MD 21202
Phone: +1 (410) 547-1200

Event FAQs

BADGES: Badges are required to gain entry into all sessions, meal functions and events.


CERTIFICATION/PROFESSIONAL DEVELOPMENT HOURS: IBTTA recognizes the need for professional engineers and planning professionals to demonstrate continuing professional competency in their respective fields by earning certification maintenance (CM) credit or professional development units (PDU). IBTTA will provide interested attendees with a certificate of attendance following the conference.


CODE OF CONDUCT: IBTTA is committed to the principles of diversity, inclusion, integrity, civility, and respect in all of our activities. View the full Code of Conduct at: www.ibtta.org/conduct.

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.

DESIGNATIONS:

Leadership Academy Alumni  This designation reflects an alum of IBTTA's Leadership Academy.

Young Professionals  Sessions with this icon are part of a series and recommended for young professionals.

DRESS: Business or business casual is encouraged for all sessions unless otherwise noted. The Monday evening event at Barcocina is casual. Wear comfortable shoes — some roadways near the event venue are cobblestones.

IBTTA APP:



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



MEDIA: Credentialed members of the media are permitted to attend meeting sessions only, but must be registered and have a badge.

MEMBER PUBLICATIONS AND COLLATERAL: All members of IBTTA are welcome to place their publications in the registration area.

PRESENTATIONS AND VIDEO RECORDINGS: All sessions will be recorded unless otherwise noted. Presentations and recordings are available to IBTTA members at www.ibtta.org/past-events.

REGISTRATION FEES AND EVENT TICKETS: Delegate and Speaker fees include all meals, functions and sessions. Check with the registration desk to see if guest tickets are available for evening or other events.

SATISFACTION SURVEY: Help IBTTA improve future meetings by completing the survey that will be emailed to you following the conference.

SOLD OUT EVENTS: If you are interested in attending an event that's listed as "sold out," check with the registration desk for possible "day-of" availability.

SPECIAL ACCOMMODATIONS: If you need special accommodations to fully participate in IBTTA events, please notify the staff at the IBTTA registration desk.

SPONSOR/EXHIBITOR INFORMATION: Please support our generous sponsors and exhibitors by reviewing the Sponsor and Exhibitor section of this program and spending time in the Exhibit Hall.



Meeting Wi-Fi

Network Name: IBTTA
Password: Finance2024

Planners, Host Agency & Partners

Chief Meeting Organizers



Deb Sharpless, CPA
Chief Financial Officer
Maryland Transportation Authority
Baltimore, MD



George Christopher
VP, Market Development and Client Success
Emovis
Westbury, NY

Host Agency



Financed by toll revenue without relying on State tax dollars, the Maryland Transportation Authority (MDTA) was established in 1971 by the Maryland General Assembly to finance, construct, operate, preserve and improve the State's toll facilities, as well as to finance new revenue-producing transportation projects. The MDTA's eight toll facilities – two turnpikes, two tunnels and four bridges – connect Maryland to life's opportunities.

The MDTA's revenues are separate from the State's General Fund and Transportation Trust Fund and are reinvested into its facilities to operate and maintain them. The MDTA's Trust Agreement, for the benefit of its bondholders, outlines how these funds may be used as the MDTA develops and finances transportation solutions for Maryland's citizens. For more than 45 years, the MDTA has provided Maryland's citizens and visitors with safe, secure, reliable and convenient transportation facilities. It is committed to preserving its vital infrastructure and to quality and excellence in customer service. It relies on its organization's values, traditions and – most importantly – its employees to achieve these goals. Learn more at www.mdta.maryland.gov.

Summit Partners



The American Association of Motor Vehicle Administrators (AAMVA) is a nonprofit organization founded in 1933. It creates model programs for motor vehicle administration, law enforcement, and highway safety, and acts as an information hub and international spokesperson in these areas. AAMVA represents officials from the U.S. and Canada who manage motor vehicle laws, promoting uniformity and cooperation among them. It also works with other government levels and private businesses, providing guidelines for better public service. AAMVA includes members with shared interests in its goals. Learn more at www.aamva.org.



AASHTO is a nonprofit, nonpartisan association representing highway and transportation departments in the 50 states, the District of Columbia, and Puerto Rico. It represents all transportation modes: air, highways, public transportation, active transportation, rail, and water. Its primary goal is to foster the development, operation, and maintenance of an integrated national transportation system. www.transportation.org



Eno is a non-profit charitable foundation recognized by the IRS as a 501(c)(3). The Eno Center for Transportation (Eno) was founded in 1921 by William Phelps Eno (1859-1945), who pioneered the field of traffic management in the United States and Europe. Mr. Eno sought to promote safe mobility by ensuring that traffic control became an accepted role of government and traffic engineering became a recognized professional discipline. www.enotrans.org



U.S. Department of Transportation
Federal Highway Administration

The Federal Highway Administration (FHWA) is part of the U.S. Department of Transportation. It helps State and local governments design, build, and maintain highways, including those on federal and tribal lands. By providing financial and technical support, the FHWA ensures America's roads are safe and advanced. Learn more at www.highways.dot.gov



Formed in 2010, the Mileage-Based User Fee Alliance (MBUFA) is a national non-profit organization that brings together government, business, academic, and transportation policy leaders to conduct education and outreach on the potential for mileage-based user fees as an alternative for future funding and improved performance of the U.S. transportation system. www.mbufa.org



RUC America is a leading authority on road usage charging in the United States. The membership includes 20 state transportation organizations that share resources to investigate road usage charging as an appropriate revenue collection method for their respective state. RUC America's programs strive to grow agency expertise, increase preparedness, and collaborate on projects of mutual interest.



The Eastern Transportation Coalition is a partnership of 17 states and D.C. that connects public agencies to improve travel safety and efficiency. Originally the I-95 Corridor Coalition, it began as a group managing highway incidents across state lines. Over 25 years, it has grown to include over 200 agencies focusing on transportation management, freight, and innovation. Learn more at www.tetcoalition.org

Special Events

ADVENTURE CLUB

Historic Ships of Baltimore

Saturday, June 8, 2024

3:00pm - 5:00pm

Ahoy, mates! Prepare to set sail on a historic adventure in Baltimore, Maryland! As you step onto the cobblestone streets of the Inner Harbor, the salty breeze carries centuries-old tales of maritime legends. Your destination? The historic ships that proudly stand as guardians of the past.

Directly across the street from the Renaissance Baltimore Harborplace hotel, you can climb aboard the USS Constellation, a majestic sloop-of-war that once patrolled the high seas, and imagine the daring voyages it undertook. Explore the decks where sailors lived and worked and feel the thrill of adventure that once filled these wooden hulls.

Just a short walk from the 170-year-old USS Constellation lies the Lightship 116 Chesapeake, a vessel ahead of its time. Built in 1930, the Chesapeake

was a beacon of innovation, tasked with patrolling, inspecting, and guiding maritime traffic at the mouth of the Chesapeake Bay.

Next, visit the USS Torsk, a submarine that prowled beneath the waves during World War II. Descend into its narrow corridors and experience the cramped conditions that submariners endured as they braved the depths in defense of freedom.

And finally, marvel at the USCGC Taney (Cutter 37), the last surviving warship from the attack on Pearl Harbor. Walk in the footsteps of history as you explore this living museum and gain a new appreciation for the courage and sacrifice of those who served.

Meet in the Renaissance Hotel lobby at 2:45pm and wear walking shoes. Tickets will be purchased individually and are \$20 each; if our party is greater than 10, the price will be reduced. So, gather your mates and join the Adventure Club as it embarks on a voyage through time in Baltimore Harbor. Fair winds and following seas!

COMMUNITY SERVICE

Professional Attire Clothing Drive

Sunday, June 9 - Monday, June 10 at 2:00pm

Drop your clothing items at the IBTTA Registration Desk

Elevate lives with style by donating your extra professional attire to those in need.

Support two local organizations—Sharp Dressed Man and Dress for Success Baltimore - by donating your extra or unused professional attire. And if you don't have items to donate, please consider a monetary donation. Information will be at the Registration Desk.



Dress for Success Greater Baltimore is a nonprofit organization dedicated to enabling women to break the cycle of poverty. DFS Greater Baltimore is a division of the parent organization Suited to Succeed, a longstanding Baltimore nonprofit founded in 1997 to fill a void in Baltimore City. Suited to Succeed and DFS Greater Baltimore aim to provide an opportunity for disadvantaged women entering or re-entering the workforce to not only 'dress for success' with suitable business attire but also to enhance the skills necessary to gain and maintain employment. Visit www.greaterbaltimore.dressforsuccess.org to learn more.



Sharp Dressed Man supports workforce reentry, recovery, and veteran's programs throughout the Baltimore region. They provide a no-charge shopping experience for their clients, resulting in hand-selected garments that give their clients confidence, improved self-esteem, and dignity. The program contributes to a reduction in unemployment, housing insecurity, and recidivism. Visit www.sharpdressedman.org for more information.



Technical Tour & Evening Event

TECHNICAL TOUR

An Insider View of the Fort McHenry Tunnel

Sunday, June 9, 2024

Meet in Homeland at 8:30am for tour overview

Fee: \$40.00

NOTE: Participants will traverse facility equipment and operating locations, including stairs and wet surfaces. Comfortable clothes and closed-toe shoes with non-slip soles are advisable.

The Fort McHenry Tunnel (I-95, I-395) is one of the world's widest underwater highway vehicular tunnels ever built by the immersed-tube method. The tunnel opened to traffic in November 1985 and serves as a vital link in I-95, the East Coast's most important interstate route. Including the tunnel and approach roadways, the facility is 10.3 miles in length. The Maryland Transportation Authority (MDTA) maintains the tunnel and its approaches from Caton Avenue on the south side to the northern Baltimore City line, including Interstate 395 into Baltimore's Inner Harbor area. In 2023 highway-speed all-electronic tolling (AET) went into full effect. Toll revenue for the Fort McHenry Tunnel totaled \$219.6 million in 2023, accounting for 29 percent of MDTA's total toll revenue. This tour will include an overview of the region, the tunnel's history and construction, and a first-hand view of the air duct system, electrical switch gear equipment, pump room, and AET zone.

Additional Insights

The eight-lane Fort McHenry Tunnel is nearly 1.4 miles long and extends from the Locust Point peninsula, passes south of Fort McHenry under the harbor navigational channel and rises to grade in the Canton industrial area of Southeast Baltimore. The tunnel's alignment required the design of the world's first tunnel sections that curved both vertically



and horizontally. The tunnel was built using an open-trench method, in which prefabricated tunnel sections were sunk in a trench dredged in the harbor's bottom, and the sections were joined underwater. The construction of the Fort McHenry Tunnel required the coordination of 11 prime contracts and included work for the tunnel and approach-roadway designs, trench dredging, tube fabrication, construction of the ventilation and administration buildings and toll plaza, and roadway paving and landscaping. A disposal site for dredged materials removed from the tunnel trench was created at nearby Canton/Seagirt. The resulting 136 usable acres being developed by the MDTA into the Seagirt Marine Terminal, which opened in 1990 and is operated by the Maryland Port Administration.

Sponsored by:



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EVENING EVENT

Barcocina

Monday, June 10, 2024

6:30pm - 9:30pm

Buses depart from the hotel lobby at 6:20pm

Enjoy great food and drink while taking in the beautiful waterfront view at this beautiful harborside restaurant located in the historic Fells Point neighborhood. Cobblestone is prevalent in this area, so make sure to wear comfortable shoes. Many thanks to HNTB for sponsoring this wonderful night out with your friends and colleagues!

Sponsored by: **HNTB**



Agenda

Spring Board of Directors & Committee Meetings

Friday, June 7, 2024

9:30am - 11:30am EXECUTIVE COMMITTEE

Watertable Private Dining Room
(By Invitation)

11:45am - 1:45pm LUNCH

EXECUTIVE COMMITTEE LUNCH
(By invitation)

2:00pm - 5:00pm COUNCIL OF PLATINUM SPONSORS

Maryland D
COUNCIL OF PLATINUM SPONSORS (CoPS)
(By Invitation)

4:00pm - 5:00pm EXECUTIVE COMMITTEE

Maryland D
EXECUTIVE COMMITTEE WITH CoPS
(By Invitation)

EVENING FREE

Saturday, June 8, 2024

8:00am - 9:00am BREAKFAST

Maryland E
BREAKFAST FOR ALL ATTENDEES

9:00am - 10:00am RETREAT

Maryland D
BOARD RETREAT
(Open to Board Only)

10:00am - 12:00pm BOARD MEETING

Maryland D
BOARD BUSINESS MEETING
(Open to All IBTTA Members)

12:00pm - 1:00pm LUNCH

Maryland E
LUNCH FOR ALL ATTENDEES

1:00pm - 2:00pm BOARD MEETING

Maryland D
FINANCE STANDING COMMITTEE OF THE BOARD
(Open to All IBTTA Members)

2:00pm - 4:00pm BOARD MEETING

Maryland D
BOARD TOWN HALL
(Open to All IBTTA Members)

4:00pm - 5:00pm MEETING

Maryland D
PAST PRESIDENTS ADVISORY COUNCIL
(Past Presidents Only)

5:00pm - 6:30pm EVENING EVENT

Watertable Bar & Restaurant
RECEPTION
(Open to All IBTTA Members)

Agenda



Download the IBTTA mobile app, where you'll find descriptions of the sessions, speaker bios and more.

Saturday, June 8, 2024

1:00pm - 2:30pm COMMITTEE MEETING

Maryland F

IBTTA RUC COMMITTEE MEETING

3:00pm - 5:00pm ADVENTURE CLUB

Meet in the lobby at 2:45pm

HISTORIC SHIPS ON THE BALTIMORE HARBOR

(See page 5 for details)

Sunday, June 9, 2024

8:00am - 6:00pm REGISTRATION

Maryland Foyer

8:30am - 12:00pm TECHNICAL TOUR

AN INSIDER VIEW OF THE FORT MCHENRY TUNNEL

8:30am - Meet in Homeland for Pre-Tour Briefing

9:00am - Load Buses and Head to the Tunnel

See page 6 for details.

9:00am - 10:30am ROUNDTABLE

Fells Point

CFO ROUNDTABLE - BIG CHALLENGES

(By Invitation)

9:00am - 10:30am SUBCOMMITTEE MEETING

Homeland

TRB CONGESTION PRICING ECONOMICS SUBCOMMITTEE MEETING - AJE50 (2)

10:30am - 12:00pm SUBCOMMITTEE MEETING

Homeland

TRB MILEAGE-BASED REVENUE SUBCOMMITTEE MEETING - AEP60 (4)

1:00pm - 2:30pm

BREAKOUT SESSIONS

FINANCE TRACK

Baltimore Ballroom

Open Space*: Transportation Finance Topics

Bring your ideas, interests, and enthusiasm to this session on any finance topic you are passionate about and would like to engage in with colleagues.

**Open Space is a meeting format in which the participants define the agenda and self-organize to discuss a variety of issues, joining the discussions that are most important to them. It recognizes that individuals are experts in their own interests and passions, and when given the freedom to explore and contribute, they can unlock their full potential.*

FACILITATOR: Patrick Jones, Executive Director & CEO, International Bridge, Tunnel and Turnpike Association (IBTTA), Washington, DC

ROAD USAGE CHARGING TRACK

Maryland DEF

Growing RUC Enrollment: Challenges in Scaling Programs and Implementation

U.S. RUC programs are challenged with recruiting participants and scaling programs. Today, only Hawaii has crossed the legislative threshold of introducing mandatory participation in future years. The active programs are focused on how best to expand participation while keeping administrative costs down. Join an expert panel with international examples of how to move toward expanded implementations effectively.

MODERATOR:  Scott Jacobs, RUC & MBUF Product Manager, Emovis, Westbury, NY


Utah's Continued Path to Growing RUC Enrollment

Daryl Ballantyne, RUC Program Manager, Utah Department of Transportation, Salt Lake City, UT

RUC for All Vehicles: New Zealand and Iceland Blazing the Trail

Scott Wilson, Principal Consultant, CDM Smith, Wellington, New Zealand

RUC Challenges and Learnings from Denmark

 Swapnil (Neil) Jadhav, President & Chief Digital Officer, Neology, Carlsbad, CA

Building Midwest Momentum Around Road Usage Charging

Joel Skelley, Director of Policy, Kansas Department of Transportation, Topeka, KS

RUC Enrollment Incentives and Mandates

Brad Wright, Head - NextMove, NextMove by Cintra, Austin, TX

2:30pm - 3:00pm

BREAK

Maryland ABC

REFRESHMENT BREAK WITH EXHIBITORS

Agenda

SUNDAY, continued

3:00pm - 4:30pm


BREAKOUT SESSIONS

FINANCE TRACK

Baltimore Ballroom

Toll Revenue Assurance and Efficiency: Data and Analytics are the Secret Ingredients

Challenges of revenue assurance, collection efficiency, and leakage are front and center in cashless toll operations. Data and analytics play a critical role in measuring toll revenue collection effectiveness and devising strategies to address risks and mitigate the negative consequences of today's operations. Learn how data from operations, systems, and business processes address revenue assurance and collection effectiveness.

MODERATOR:  **Jeff Dailey, P.E.**, Assistant Executive Director, North Texas Tollway Authority, Plano, TX


The Answer is In Front of You

 **Mark Cantelli**, Chief Technology Officer, ViaPlus, Abita Springs, LA

Independent Data Analytics and Audits for MDTA's Roadside ETC System

 **Heather Henck**, Senior Project Delivery Leader, Traffic and Tolls, RK&K, Baltimore, MD

The Revenue Assurance Plan at the Pennsylvania Turnpike

 **Stacia Ritter**, Assistant Chief Operating Officer- Toll Collection, Pennsylvania Turnpike Commission, Harrisburg, PA

Use of Data and Analytics for PANYNJ Toll Revenue Assurance

Ray Cunningham, Division Manager, Tolls Northeast, AtkinsRéalis, Evesham, NJ

ROAD USAGE CHARGING TRACK

Maryland DEF

RUC Procurement Workshop: Strategies for Successful RFPs and Vendor Engagements

As government organizations explore RUC programs, engaging vendors to provide commercial account management and other essential program services is an important step often into new territory. Vendors must prepare responses to a variety of new programs and local objectives. Join an interactive discussion and engaging workshop, which will break down the barriers to effective procurement in road usage charging.

MODERATOR: **Kary Witt, P.E.**, Vice President, National Toll Market Practice Leader, HNTB Corporation, San Francisco, CA

How to Stimulate Engagement by All Relevant Players

Nate Bryer, Vice President – RUC, WSP, Colorado Springs, CO **and** **Frederic Charlier**, CEO, ClearRoad, New York, NY

How Procurement May Manage the Cost of Collection – Achieving Scale Economies

Patricia Hendren, PhD, Executive Director, The Eastern Transportation Coalition, College Park, MD **and** **Scott Jacobs**, RUC & MBUF Product Manager, Emovis, Westbury, NY

Procurement Approaches and Alternatives

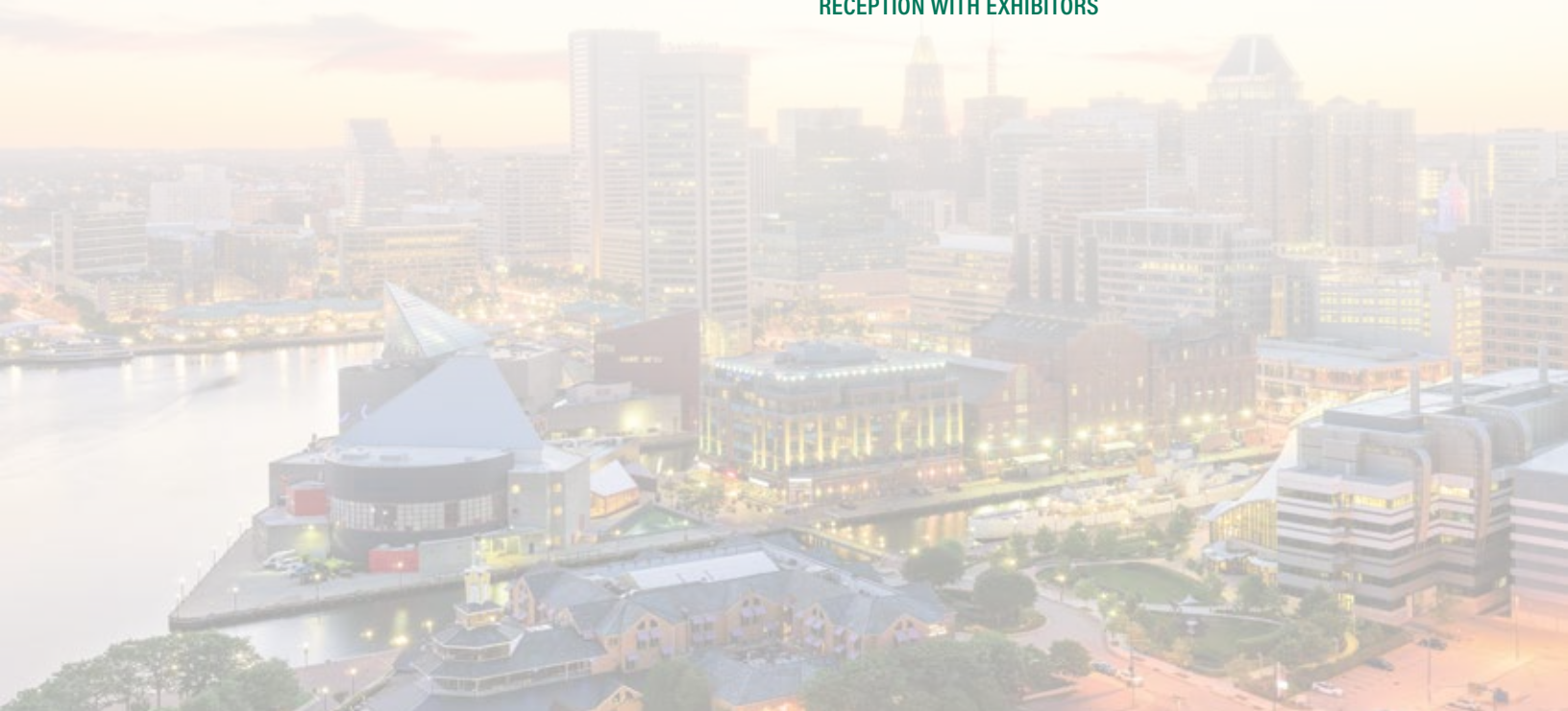
Jim Wilson, PMP, Senior Vice President, TransCore, Nashville, TN **and** **Randal Thomas**, Senior Project Executive, RUC America and Oregon Department of Transportation, Salem, OR

5:00pm - 6:30pm

RECEPTION

Maryland ABC

RECEPTION WITH EXHIBITORS



Agenda

Monday, June 10, 2024

7:00am - 5:30pm

REGISTRATION

Maryland Foyer

7:00am - 8:30am

BREAKFAST

Maryland ABC

BREAKFAST WITH EXHIBITORS

8:30am - 9:00am

GENERAL SESSION

Maryland DEF

OPENING REMARKS

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

Bill Halkias, PE, F. ASCE, F. ITE, IBTTA President, and President Emeritus, HELLASTRON (Hellenic Association of Toll Roads Network), Athens, Greece


Maryland Transportation Authority

Paul J. Wiedefeld, Chairman, MDTA and Secretary, MDOT and

Bruce Gartner, Executive Director, MDTA

Chief Meeting Organizers' Recognition

Deborah Sharpless, CPA, Chief Financial Officer, Maryland Transportation Authority, Baltimore, MD

 George Christopher, VP, Market Development and Client Success, Emovis, Westbury, NY

9:00am - 10:30am

BREAKOUT SESSIONS

FINANCE TRACK

Baltimore Ballroom

Views of the Rating Agencies: Markets and Finance Challenges

Explore the key factors driving toll sector outlooks from the rating agencies, current financial market challenges, and best practices for engagement. Rating agencies provide some of the most broadly utilized performance and financial benchmarks in tolling. Will macroeconomic fundamentals such as inflation, fuel prices, and economic cycles once again drive credit outlooks? How do policies such as ESG and transportation funding strategies affect creditworthiness? Learn about the evolution of toll road analysis, major long-term credit trends, new considerations for traffic and revenue forecasting, and factors for bond issuance in a volatile market.

MODERATOR: Cherian George, Senior Advisor, Keystone Global Summit, NJ

Basics of Toll Road Credit Analysis

Ken Biddison, Senior Analyst, S&P Global, Englewood, CO

Evolution of Toll Road Analysis

Cintia Nazima, AVP – Analyst, Moody's Ratings, New York, NY

Major Long-Term Credit Trends/Evolution of Managed Lanes

Anne Tricerri, Senior Director, Fitch Ratings, New York, NY

Setting the Stage for the Rating Agency – Role of the Traffic & Revenue Forecaster

Kamran Khan, Senior Vice President, CDM Smith, Lisle, IL

Issuing and Managing Debt in Varied Market Environments

Collin Teague, Managing Director, Siebert Williams Shank & Co., LLC, New York, NY

Agenda

MONDAY, continued

ROAD USAGE CHARGING TRACK

Maryland DEF

The Role of DMVs and Other Institutions in RUC Programs

State DOTs have generally led the charge in exploring road use charging as a potential replacement to the gas tax. However, State Departments of Motor Vehicles (DMVs) are a central point for vehicle data and regulations and will play a key role in managing effective programs. Additionally, other organizations responsible for tax revenue will contribute to program success and leadership in collection, assurance, compliance, and reciprocity with other jurisdictions. Existing mechanisms for managing taxes across states may offer viable systems and existing processes for managing RUC programs.

MODERATOR: Lauren Prehoda, Road Charge Program Manager, California Department of Transportation, Sacramento, CA

Trying to Fit the Elephant in the Suitcase: Pros and Cons of Different State Agencies Administering a RUC

Marcy Coleman, Vehicle Program Manager, American Association of Motor Vehicle Administrators (AAMVA), Arlington, VA

Using the IFTA Platform and the Cooperative Agreement in a RUC World

Carmen Martorana Jr., Executive Director/CEO, International Fuel Tax Association (IFTA), Mesa, AZ

The Case for Tribal Participation in RUC – Oklahoma’s Story

Dawn Sullivan, P.E., Deputy Director, Oklahoma Department of Transportation, Oklahoma City, OK

DMVs: Where the Rubber Meets the Road Usage Charge

Mindy Kimura, Hawaii Road Usage Charge (HiRUC) Project Manager, Hawaii Department of Transportation, Honolulu, HI **and Markell Moffett**, Transportation Revenue Systems Specialist, CDM Smith, Salem, OR

10:30am – 11:00am

BREAK

Maryland ABC

REFRESHMENT BREAK WITH EXHIBITORS

11:00am – 12:30pm

GENERAL SESSION

Maryland DEF

WHAT HISTORY CAN TEACH US ABOUT THE FUTURE OF BIG INFRASTRUCTURE PROJECT DELIVERY

This blockbuster panel will draw on recent work that explores the successes and difficulties in past transportation infrastructure delivery. Brian Taylor from UCLA is a co-author of a book entitled *The Drive for Dollars*. He will draw from his work to discuss lessons in how fiscal politics and government investment shaped America's highway system and U.S. urban centers. Ian Coss is the producer of public radio's WGBH *Big Dig Podcast*, an in-depth history of Boston's Central Artery project with lessons on the critical role of communications in successful infrastructure project delivery. Our moderator, Neil Pedersen, is the former Executive Director

of the Transportation Research Board and long-tenured Maryland State Highway Administrator. Learn about past lessons that may shape the future of big transportation and infrastructure projects in America and engage in an interactive discussion.

MODERATOR: Neil Pedersen, Retired Executive Director, Transportation Research Board of the National Academies, Silver Spring, MD

PANELISTS:

Ian Coss, Producer of WGBH's *Big Dig Podcast*, Boston, MA

Brian Taylor, PhD, FAICP, Professor of Urban Planning & Public Policy, and Director of the Institute of Transportation Studies, UCLA, Los Angeles, CA

Sponsored by: **RS&H**

12:30pm – 2:00pm

LUNCH

Maryland ABC

LUNCH WITH EXHIBITORS

2:00pm – 3:30pm

BREAKOUT SESSIONS

FINANCE TRACK

Baltimore Ballroom

Revenue Opportunities Beyond RUC and Tolling – Non-Toll Revenue Sources

As transportation funding and investment needs continue to outstrip the growth in revenue dedicated to transportation, the need for new and sustainable revenue resources is paramount. Hear about promising opportunities for new non-toll revenue that have been considered and adopted. The dynamic and rapid change across our businesses offers a broad field of new revenue opportunities that may help the industry address financial needs, diversify revenues to manage risk, and adapt to a fast-changing world.

MODERATOR: David Ungemah, Managed Lanes & Alternative Revenue Systems Global Practice Leader, HDR, Denver, CO

State Transportation Funding Trends

Carolyn Kramer Simons, Senior Director, State Funding Policy, American Road & Transportation Builders Association (ARTBA), Washington, DC

Broadening and Diversifying Funding and Financing Sources in Virginia

 **Laura Farmer**, Chief Financial Officer, Virginia Department of Transportation, Richmond, VA

Advancing New and Alternative Revenue Stream Concepts for Tolling Agencies

Sid Edmonds, Managing Director, Accenture, Austin, TX

Visualizing Revenue Success through Innovative Tools

Shanté Hastings, Deputy Secretary and Chief Engineer, Delaware Department of Transportation, Newark, DE

Agenda

MONDAY, continued

ROAD USAGE CHARGING TRACK

Maryland DEF

Unleashing Vehicle Telematics to Enable Tolling and RUC: Is This a Cost-Effective Solution to Other Forms of Data Acquisition?

Data acquisition for road pricing comes from a variety of sources. Tolling has successfully used onboard toll tags, gantries, and automated license plate recognition technology to obtain essential transaction data. RUC programs have employed technologies ranging from manual odometer readings to OBD-II plug-ins. Vehicle telematics may optimize infrastructure, operations, and communication cost in the future. This opportunity may also promote effective pathways toward interoperability, compelling customer experience, reduced collection costs, and new data security and privacy practices. Learn how tolling and RUC are considering vehicle telematics and smartphone applications for data capture and communication.

MODERATOR: 🎓 **Jee Kim**, RUC Business Leader, Sr. Project Manager, Gannett Fleming, Austin, TX

Using Existing Telematics Systems to Build a Cost-Efficient RUC Solution
Frederic Bruneteau, Managing Director, PTOLEMUS Consulting Group, Brussels, Belgium

RUC and Tolling Use Cases for Data Collected by Native OEM Vehicle Telematics: Risks and Opportunities

Nikolaos Efsthathopoulos, Practice Group Lead, Revenue Systems, Intelligent Systems, Arcadis, Toronto, Ontario, Canada

Revolutionizing Road Usage Charging: An Emovis and Smartcar Case Study

Sahas Katta, CEO and Founder, Smartcar, Mountain View, CA **and**
Marc Deflin, Director of North American Sales, Emovis, Pittsburgh, PA

Using Smartphones and In-Vehicle Telematics for RUC and Satellite-Based Tolling

Norbert Schindler, CEO, GNSS Consulting, Vienna, Austria

3:30pm - 4:00pm

BREAK

Maryland ABC

REFRESHMENT BREAK WITH EXHIBITORS

4:00pm - 5:30pm

BREAKOUT SESSIONS

FINANCE TRACK

Baltimore Ballroom

Best Practices in Agency Financial Management

Managing finances in a toll operation covers a wide area of expertise: investing, borrowing, budgeting, forecasting, insuring, auditing, reporting, compliance, etc. Keeping up with best practices is an essential ingredient for successful organizations. Learn from the experiences, successes, and challenges of colleagues in the business across various financial management functions.

MODERATOR: 🎓 **David Roy**, Director of Innovative Finance, North Carolina Department of Transportation and Turnpike Authority, Raleigh, NC

Enterprise Risk Management: How CFOs (and Other Leaders) Can Optimize Risk Management Practices

Linh Truong, Sr. Director IA/Enterprise Risk, North Texas Tollway Authority, Dallas, TX

ESG Reporting: What It Matters as a Financial Management Best Practice
Daniel Socha, Global Sustainability and ESG Services Lead, WSP Global, Cleveland, OH

Managing Risks and Opportunities in a Positive Arbitrage Environment
Michael Steinbrook, Director, PFM Asset Management, Harrisburg, PA

Insurance and Risk Finance Optimization

Kristina Meier, Senior Client Advocate, WTW, Inc., Hunt Valley, MD

Estimating Long-term Maintenance and Rehabilitation Costs for Financial Planning

Andrew Doyle, Associate Vice President, Director Advisory, HNTB Corporation, Kansas City, MO

Agenda

MONDAY, continued

ROAD USAGE CHARGING TRACK

Maryland DEF

The Future's So Bright... Promising Road Charging Tech Trends

Technology is not only evolving rapidly but crossing multiple sectors and business disciplines at the same time. Sometimes, it is challenging to make sense of how it all fits together and how to best integrate developments. Gain insights into how new technology addresses cost, operations, privacy, and policy considerations in RUC and tolling. Panelists will share their views on integrating vehicle standards, road charging, and tolling, and provide lessons we can learn from other large-scale transportation technology deployments.

MODERATOR: 🎓 **Tim McGuckin**, Toll Technology Senior Consultant, HNTB Corporation, Arlington, VA

Standards-based RUC: Illinois Tollway's POC

Michael Catolico, Chief – Business Systems, Illinois Tollway, Downers Grove, IL

Unleashing Vehicle Telematics: A Cost-Effective Future for Tolling and RUC?

Cathi Chinn, Vice President of Innovation, Verra Mobility, Gilbert, AZ

Scaling a Cloud-Based Software System: Lessons Learned from a Large Intelligent Transportation System Project

George Sammit, Staff Computer Scientist, Southwest Research Institute, San Antonio, TX

A Collaborative Smartphone-Based Approach to Overcome Road Usage Charging Hurdles, Texas Style

Paul Steinberg, Chief Business Officer, Carma Technology Corporation, Johnstown, CO **and** **Nick Wood**, Associate Research Engineer, Texas A&M Transportation Institute, Austin, TX

6:30pm – 9:30pm

EVENING EVENT

BARCOCINA

1629 Thames Street

Buses load from the hotel lobby at 6:20pm.

See Page 6 for details.

Sponsored by: **HNTB**

Tuesday, June 11, 2024

7:00am – 1:30pm

REGISTRATION

Maryland Foyer

7:00am – 8:30am

BREAKFAST

Maryland ABC

BREAKFAST WITH EXHIBITORS

8:30am – 10:00am

GENERAL SESSION

Maryland DEF

HURDLES FOR FUTURE RUC PROGRAM ADVANCEMENT

Hurdles remain in transitioning small-scale early RUC programs to larger-scale operations. Challenges include the cost of collection, enforcement, interoperability with other states, accounting for out-of-state mileage, privacy, and equity considerations. Solutions will involve operational, policy, and political considerations and may differ by state, region, or country. Engage in a discussion of innovative and pragmatic ways to address these hurdles in applied research and practice.

MODERATOR: 🎓 **Matthew Dorfman**, Associate, CDM Smith, Washington, DC

Hurdles Don't Stop Progress – They Make Us Innovate

Reema Griffith, Executive Director, Washington State Transportation Commission, Olympia, WA

The Revenue Sound Bite Overcoming the First and Longest Hurdle to Implementing MBUF

Patricia Hendren, Executive Director, The Eastern Transportation Coalition, College Park, MD **and** **Amanda Spencer, P.E.**, Innovative Finance Manager, Kentucky Transportation Cabinet, Louisville, KY

Protecting Privacy in Precision Road Usage Charging

Michael Koets, Staff Engineer, Southwest Research Institute, San Antonio, TX

Unveiling the True Costs: Road Usage Charging Program Implementation

Nate Bryer, Vice President – RUC, WSP, Colorado Springs, CO

Taming the Cost of Collection Overcoming the Biggest Hurdle to Implementing RUC

Japjeev Kohli, CTO/VP Technology, Transurban, McLean, VA

10:00am – 10:30am

BREAK

Maryland ABC

REFRESHMENT BREAK WITH EXHIBITORS

Agenda

TUESDAY, continued

10:30am – 12:00pm

GENERAL SESSION

Maryland DEF

ALTERNATIVE PROJECT FINANCE: THE TRIED, TRUE, AND NEW

Demand for modernized transportation facilities and adequate capacity continues to drive investment. Experience with traditional revenue bond financing and public-private partnerships has been valuable. But now, successful financing sometimes requires a tapestry of resources from local, state, and federal governments, from toll and transit authorities, and from private entities. Cash, grants, tax-backed loans, revenue bonds, equity infusions, land donations, and other contributions all can play a role. Join the conversation that will explore case studies of established programs and the promise they hold for greater effectiveness.

MODERATOR: Catherine Reddick, Principal, Mercator Advisors, LLC, Austin, TX

Contract Structure of the Gordie Howe International Bridge P3

Charl van Niekerk, CEO, Windsor-Detroit Bridge Authority, Windsor, Ontario, Canada

I-10 Changes the Landscape for Future Private Toll Roads

John Medina, Senior Vice President, Moody's Investors Service, New York, NY

Taking Advantage of the TIFIA Program – Maryland's Experience

Allen Garman, Deputy Director of Finance, Maryland Transportation Authority, Baltimore, MD

European Financing Models for Road Infrastructure

Bill Halkias, PE, F. ASCE, F. ITE, IBTTA President, and President Emeritus, HELLASTRON (Hellenic Association of Toll Roads Network), Athens, Greece

12:00pm – 1:00pm

LUNCH

Maryland ABC

LUNCH WITH EXHIBITORS


1:00pm – 2:30pm

GENERAL SESSION

Maryland DEF

EQUITY: POLICY VS. PRACTICE


Equity is a key concern for transportation projects and road pricing programs. But what have the real results of current equity practices been? How are we proceeding from policy to implementation and effective practice? Engage in an interactive discussion with the panel and the audience to spotlight relevant experiences.

MODERATOR:  Marcelle Jones, Principal, Transportation Managing Leader, Stantec Consulting Services, Inc., Plano, TX

Plan Bay Area 2050 – Addressing Equity and So Much More

Andrew Fremier, P.E., Executive Director, Bay Area Toll Authority, Metropolitan Transportation Commission, San Francisco, CA

Building RUC Equity Policies From the Ground Up

 Carl See, Deputy Director, Washington State Transportation Commission, Olympia, WA

Lessons from Equity Operations

 Samantha Soules, Associate Vice President, Toll Practice, HNTB Corporation, Oakland, CA

Equity Considerations in Tolling and Road Pricing

Peter Ousley, Client Account Lead, Accenture, Chicago, IL

2:30pm

ADJOURN

3:00pm – 5:00pm

SUBCOMMITTEE MEETING

Maryland DEF

TRB ECONOMICS AND FINANCE COMMITTEE MEETING – AJE50

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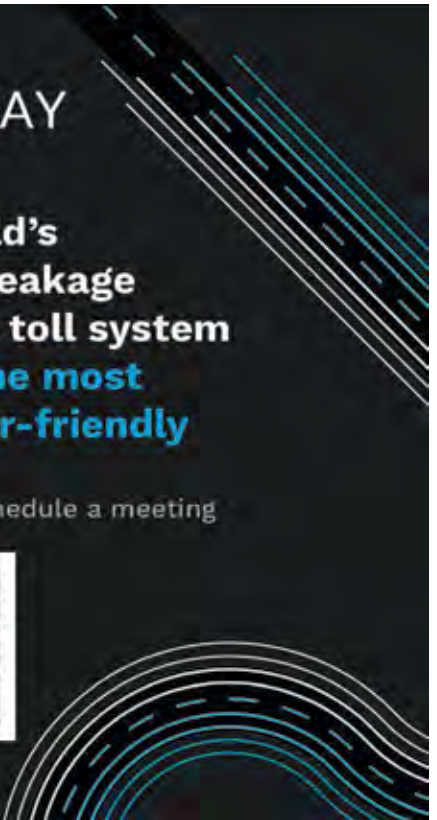

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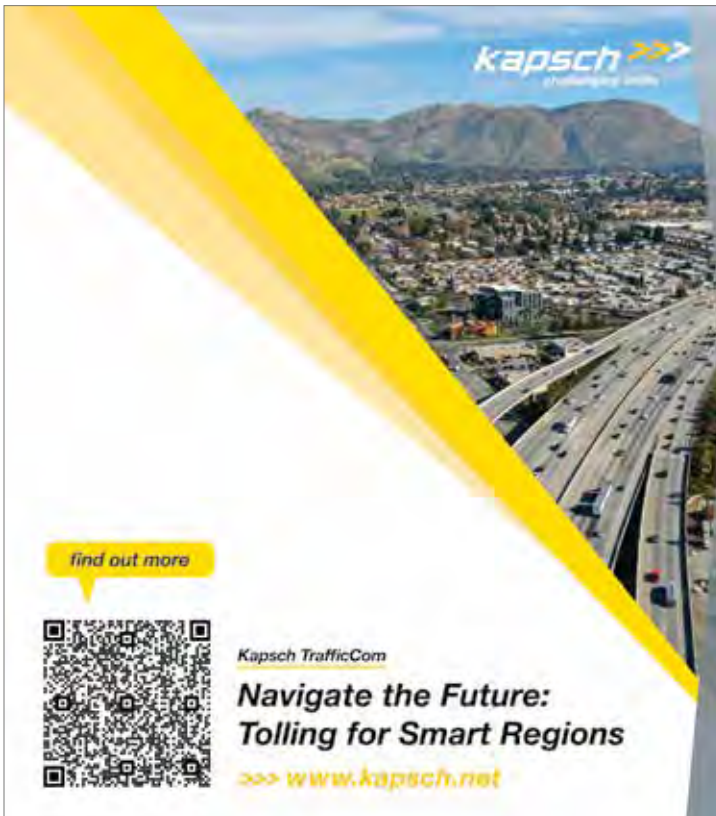



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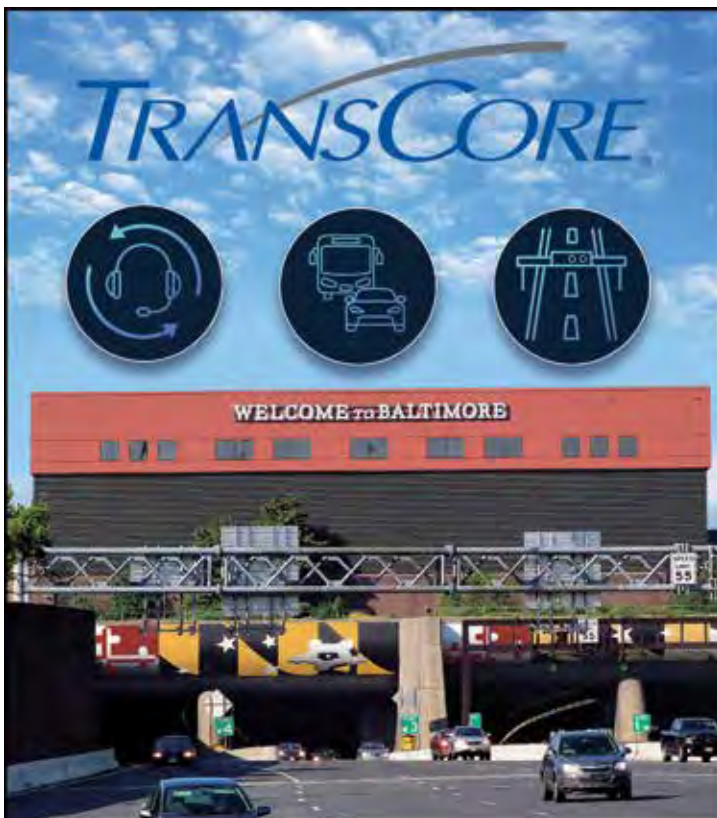


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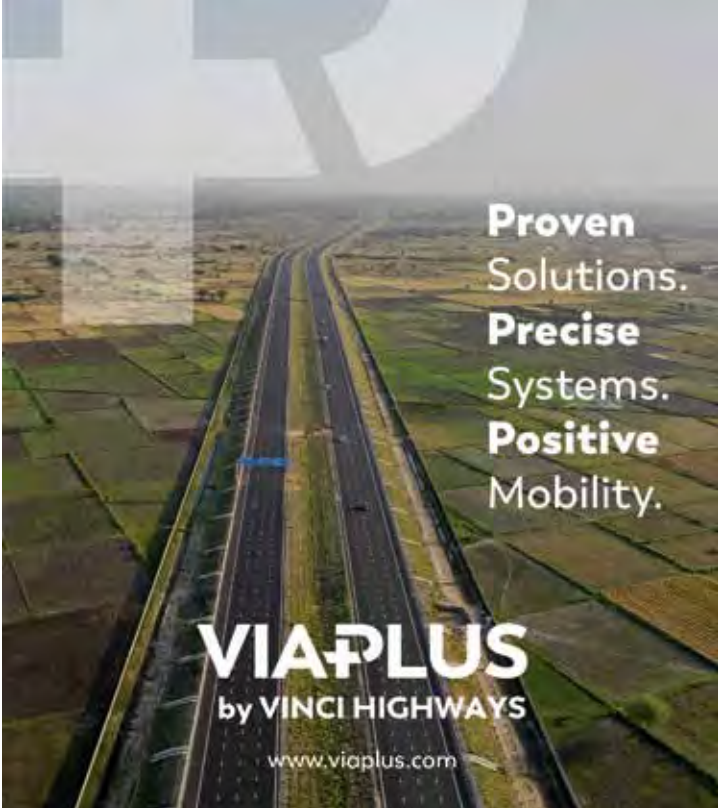


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