

14th National Conference on Transportation Asset Management

July 8-11, 2023

Boston, Massachusetts

PROGRAM AT-A-GLANCE

As of 6/30/23 and subject to change

Saturday, July 8, 2023

12:00PM–4:00PM

Registration

1:00PM–5:00PM

FHWA/AASHTO Peer Exchange (By invitation only)

Sunday, July 9, 2023

7:00AM–8:00AM

Coffee

7:00AM–4:00PM

Registration

8:00AM–8:30AM

Preconference Welcome: Coffee with the Secretaries

Moderator: Steve Woelfel

Secretary Gina Fiandaca, Massachusetts Department of Transportation

Secretary Roger Millar, Washington State Department of Transportation

8:30AM –12:00PM				
FHWA/AASHTO Peer Exchange (By invitation only)	FTA TAM Roundtable (Public agencies only, pre-registration required)	Workshop: Enterprise Data Life-Cycle Management/Better Information Modeling (BIM) Simon Lewis	Workshop: Data & Dollars: Crafting a Compelling Story about Asset Management Michael Garau, Jeff Moore	Workshop: Scenario Planning for Asset Management <i>Moderator:</i> John Kaliski <i>Invited Speakers:</i> Laura Zale, Jack Moran, Jonathan Fok
10:00AM-10:30AM				
Break				
12:00PM–1:30PM				
Lunch (On your own)				
1:30PM–5:00PM				
Workshop: Input for the Updates to the Digital Edition of the AASHTO Transportation Asset Management Guide NCHRP 08-137 Project Hyun-A Park	FTA TAM Roundtable (Public agencies only, pre-registration required)	Workshop: Risk & Resilience Visualization <i>Moderator:</i> Emily Burns <i>Invited Speakers:</i> Frank Broen, Suseel Indrakanti, Mara Campbell		
3:00PM-3:30PM				
Break				

Monday, July 10, 2023				
7:30AM-8:30AM				
Continental Breakfast				
7:30AM–4:00PM				
Registration				
8:30AM-10:00AM				
Opening Plenary <i>Moderator:</i> Laura Zale <i>Speakers:</i> Joi Singh, FHWA Massachusetts Division Administrator Jonathan Gulliver, Highway Administrator, Massachusetts Department of Transportation Phillip Eng, General Manager and CEO, Massachusetts Bay Transportation Authority				

O=Organizing for Asset Management; P=Actionable Asset Management Plans; R=Managing Risks through Asset Management; S=Advancing Sustainability in Asset Management; W=Wildcard (Emerging Topics, etc.)

10:00AM-10:30AM				
Break				
10:00AM-12:00PM				
Meeting of the TRB Standing Committee on Public Engagement and Communications (AJE40)				
10:30AM-12:00PM Concurrent Breakout Sessions				
(O) Leveraging TAM to Drive Organizational Change Moderator: Tamalynn Kennedy <i>NMDOT's Asset Management Executive Steering Committee and the Development of the 2022 TAMP</i> Virginia Stubella; Philip Montoya <i>Practical Experiences Using the AASHTO TAM Data Guide to Advance and Sustain DOT Asset Management Programs</i> Chris Whipple; William Duke	(P) Worth It! Moderator: Laura Heckel <i>Asset Valuation and Whole Life Cost Analysis for Informed Business Decision-Making</i> Kambiz Rasoulkhani <i>A Guide to Computation and Use of System Level Valuation of Transportation Assets (NCHRP Document 335)</i> William Robert <i>The Iowa Example</i> Louis Cripps <i>The Denver RTD Example</i> Jeremy Vorthern	(R) Uncertain Risks: Getting Comfortable with Uncertainty Moderator: Todd Shepherd	(S) Sustainability and Resilience Moderator: Gerardo Flintsch <i>Transportation Resiliency Framework Study</i> Levi Stewart-Figueroa, John Patrick O'Har <i>Addressing Resilience to Climate Change and Extreme Weather in TAM</i> Elizabeth Habic; Tashia Clemons; Robert Kafalenos; Peter Doan <i>Highways Asset Management as a path to Decarbonisation</i> Thomas Goodyer	(W) TAM Meets GAM: It Could be Love Moderator: Benjamin Rivers <i>Geotechnical Asset Management at MnDOT</i> Doug Maki <i>Geohazards in Colorado's TAM Program</i> William Johnson; Toby Manthey <i>Panel Presentation</i> Darren Beckstrand <i>Put your TAMP on Stable Ground</i> Scott Anderson
12:00PM-1:30PM				
Networking Luncheon				
Lunch – Meeting of the AASHTO Subcommittee on Asset Management and Iowa Pooled Fund (By invitation only)				
1:30PM-3:00PM Concurrent Breakout Sessions				
(O) TAM-Travel: A Conversation with the Past, Present, and Future of TAM Moderator: Simon Smith <i>Panel Discussion:</i> William Johnson, John Kitchens, Chi Chow, Todd Lang	(P) All Together Now Moderator: Derek Krevat <i>Building a Collaborative and Impactful Program MDOTs Asset Management Journey</i> David Sklar; Meredith Hill	(R) Building Infrastructure Resilience: How Do We Adapt to the Unknown Unknowns? Moderator: Prashant Ram <i>Maryland Resiliency Initiatives and Challenges in</i>	(P) The Route to Success Moderator: Brandon Strohl <i>Use of the OnTrack System for Integrating Track Condition Data to Improve Asset Management and Reduce Risk</i> William Robert	(W) Edge of TAMorrow Moderator: Lauren Gardner

O=Organizing for Asset Management; P=Actionable Asset Management Plans; R=Managing Risks through Asset Management; S=Advancing Sustainability in Asset Management; W=Wildcard (Emerging Topics, etc.)

	<p><i>Organizing for Asset Management</i> Louis Feagans</p> <p><i>All Together Now: How Transit Agencies, MPOs, and State DOTs are Collaborating to Use TAM and Safety Performance to Guide Regional Investment</i> Herbert Higginbotham</p>	<p><i>Achieving a State of Good Repair</i> Sutapa Samanta; Meredith Hill</p> <p><i>Impact of Wildfires on Pavement Systems and Transportation</i> Prashant Ram; Amir Golalipour</p> <p><i>ShakeCast: An Automated Warning System for Monitoring Seismic Activity and Alerting Stakeholders to the Possible need for Post-event Inspections</i> Drake Builta</p>	<p><i>Measuring and Managing Pavement Performance at Massachusetts DOT</i> Ed Naras</p> <p><i>TXDOT's TAMP Risk Management and Resilience Building</i> Jenny Li; Hyun-A Park</p> <p><i>Looking at the Big Picture: Opportunities and Challenges of Using Satellite Data in Pavement Condition Evaluations</i> Cristina Torres-Machi</p>	
3:00PM-3:30PM				
Break				
3:30PM-5:00PM Concurrent Breakout Sessions				
<p>(O) Putting People at the Center of your Program Implementation <i>Moderator: Laura Zale</i></p> <p><i>Promoting Collaboration Between Assets and Departments with GIS and Other Tools</i> Louis Feagans</p> <p><i>Applying agile project management methodologies to EAM implementation: A SEPTA Case Study</i> Cody Barrett; Joseph Schade; Dan Mihalov; James Madera</p>	<p>(P) Sweat the Small Stuff: Managing Ancillary Assets <i>Moderator: Christopher Senesi</i></p> <p><i>Michigan DOT first in kind ancillary asset management system</i> Laura Wagner-Bartz</p> <p><i>How Do We Get Included in the Next TAMP? A Playbook for Ancillary Assets</i> Katie Zimmerman; Trisha Stefanski; Chris Harris</p> <p><i>PANY&NJ Data Management for Enterprise Asset Management</i></p>	<p>(R) The Buck Starts Here: Using Risks to Inform Decisions <i>Moderator: William Johnson</i></p> <p><i>Risk Workshop Development and Progress</i> Rebekka Apardian</p> <p><i>Compiling Data and Developing Tools to Identify Risks, Inform Asset Management, Improve Business and Achieve Resiliency Objectives</i> Ister Morales</p> <p><i>The Feedback Loop: Better Decisions for Service Delivery</i></p>	<p>(S) Sustainability and Social Equity <i>Moderator: Jocelyn Jones</i></p> <p><i>Transforming Transportation Asset Management (TAM) to Incorporate Social Equity: A Survey of Asset Managers</i> Fawzi Khalife; Mehmet Ozbek; Rebecca Atadero; Erin Arneson</p> <p><i>Implementation Equity into Capital Prioritization for MTA</i> Krae Stieffenhofer</p> <p><i>Incorporating Equity into Asset Management System Analysis</i></p>	<p>(W) Lightning Talks: Introduction to Poster Session <i>Moderator: Matt Hardy</i></p> <p><i>Invited Presentations</i> All poster presenters</p>

O=Organizing for Asset Management; P=Actionable Asset Management Plans; R=Managing Risks through Asset Management; S=Advancing Sustainability in Asset Management; W=Wildcard (Emerging Topics, etc.)

<p><i>MBTA's Linear Asset EAMS Management and Configuration</i> Hugh Quinn</p> <p><i>Asset Management for Airports: Massport's Asset Management and Recently Launched MICA Programs</i> Mark Ricketson</p>	<p>Robert Kimapley; Xifan Chen; George Broadbent; Baris Salma</p> <p><i>Ancillary Assets in CDOT's 2022 TAMP</i> Toby Manthey</p>	<p><i>by Managing Asset Risk, Cost, and Performance</i> Herbert Higginbotham; Rob Zilay; Wendy Platanitis</p> <p><i>Managing Asset Risks through the UDOT TAMP</i> Patrick Cowley</p>	<p>Caroline Dickey; Aaron Gerber</p> <p><i>Elevating Voices of Equity Priority Communities into Decision Making Process for the Interstate Bridge Replacement Program: A Transportation Project of National Significance</i> Greg Johnson; Johnell Bell</p>	
3:30PM–5:00PM				
Meeting of the TRB Standing Committee on Strategic Management (AJE10)				
5:00PM-6:30PM				
Tom Palmerlee Celebratory Poster Reception				
<p><i>Sustaining TAM through Comprehensive Data Collection</i> Jonathan Groeger</p> <p><i>Improving Pavement Assessment for Effective Asset Management</i> Jerome Daleiden</p> <p><i>The Possibilities of Using a Mobile Mapping System (MMS) to collect Retroreflectivity of Signs and Pavement Markings</i> Ray Mandli</p> <p><i>Development of Road Asset Maintenance technique for Transportation Planning in Botswana</i> Adewole Oladele</p> <p><i>TAMP Rapid Entry of Asset Data and Intelligence Book (READI Book): Creating a Data Pipeline for TAMP Implementation</i> Richard Boadi</p> <p><i>Sequenced Diagnostic Steps for Condition Assessment of Transportation Assets</i> Antonios Vytiniotis</p> <p><i>Asset Tracking and Historical Data Comparisons</i> Larry Mattke</p> <p><i>Leveraging LiDAR Data for Multiple Divisions within an Agency Including Satisfaction of MIRE Requirements</i> Sam Skog</p> <p><i>Risk Tolerance Framework for Coastal Highway Infrastructure Assets in New Hampshire</i> Suseel Indrakanti; Nicholas Alexander; Pedro Serigos; Daniel Ramola</p>				

O=Organizing for Asset Management; P=Actionable Asset Management Plans; R=Managing Risks through Asset Management; S=Advancing Sustainability in Asset Management; W=Wildcard (Emerging Topics, etc.)

Scenario-Based Cross-Asset Optimization for Investment Planning of Infrastructure Asset Portfolios

Mahmoud Halfawy

Operational Modal Analysis and High Resolution Near Surface Imaging for cost efficient Structural Health Evaluation and Monitoring

Oleg Valishin

Development of a Framework for Sustainable Asset Management of Electrified Roads

Kamalen Diaz

Big data in Asset Management – Collecting network-level pavement structural capacity and blurring the line between network and project level pavement asset management

Gerardo Flintsch

Implementation of an Integrated Transit Asset Management Database to Support Group Asset Management Plan

Sharon Okoye; William Robert

Discovering Your Inner Platypus: What It Takes to Build and Sustain an Asset Management Team

Brian ten Siethoff

Outside The (Six) Box: Aligning Purpose to Outcomes and everything in between using the IAM '10-box Model'

Amy Lindblom

The Business Case for Resilience and Security in Infrastructure and Continuity of Function

Frank Broen; Chris Huffman; Silvana Croope

Tuesday, July 11, 2023

7:30AM-8:30AM

Continental Breakfast

7:30AM-3:00PM

Registration

8:30AM-10:00AM Concurrent Breakout Sessions

(O) Achieving Goals through Effective Program Management <i>Moderator: Simon Lewis</i> <i>Pilot Asset Management System</i> Justin Barclay	(P) Effective Bridge Management: Aligning Agency Bridge and Asset Management Efforts to get more out of Both <i>Moderator: Michael Johnson</i> <i>Invited Presenter</i> Justin Bruner	(R) Visualizing and Communicating Risk: Telling the Story of Why it Matters <i>Moderator: Emily Burns</i> <i>NCHRP Synthesis 584: Visualization of Highway Performance Measures</i>	(S) Pushing the Envelope: A Conversation on Emerging Topics with the TAM Expert Task Group <i>Moderator: Brad Allen</i> <i>Panel Discussion:</i> Tashia Clemons, Laura Mester, Matt Haubrich,	(W) TAM: The Next Generation <i>Moderators: Cristina Torres-Machi, Meredith Hill, Lauren Gardner</i> <i>Developing SEPTA's Culvert Management Strategy</i> Katherine Riffle
--	---	--	---	---

O=Organizing for Asset Management; P=Actionable Asset Management Plans; R=Managing Risks through Asset Management; S=Advancing Sustainability in Asset Management; W=Wildcard (Emerging Topics, etc.)

<p><i>Integrating Long Range Transportation Plan Scenarios into TAMP Gap Analyses</i> Jack Smith</p> <p><i>A Blueprint for Change – Using the Metro Capability Model to Support Asset Management Business Transformation</i> Maxwell Brown; Jessie Wang</p>	<p><i>Invited Presenter</i> Ken White</p> <p><i>MassDOT's Experience Tying Asset Management to Bridge Preservation</i> Alyson Bedard</p>	<p>Frank Broen, Matt Hardy, Suseel Indrakant; Adam Chapdelaine</p>	<p>William Johnson, Jeff Neal, Michael Johnson, Justin Bruner</p>	<p><i>TAM Competition Winner: Undergraduate Student Category</i> Ishrad Moalim</p> <p><i>TAM Competition Winner: Graduate Student and Young Professional Category: Risk-Based Asset Management Approach for Effective Culvert Management in Changing Climates</i> Bukola Oni Maria Rojas Rosy Adhikari Yazan Alatoom</p>
10:00AM-10:30AM				
Break				
10:30AM-12:00PM Concurrent Breakout Sessions				
<p>(O) The Role of the Asset Management Champion & Their Team <i>Moderator: Amir Golalipour</i></p> <p><i>Creating support for TAM through Change Management</i> Justin Barclay</p> <p><i>Making Asset Management an Asset – Adjusting Strategies for Differing Levels of Maturity</i> Rebekka Apardian</p> <p><i>Is Leadership commitment earned, or given</i> Louis Cripps</p>	<p>(P) TAMP Reporting <i>Moderator: Scott Zainhofsky</i></p> <p><i>Connecticut DOT's TAMP Journey: Online Fact Sheets</i> Stephanie Shippie</p> <p><i>MBTA's Asset Prioritization Framework</i> Ronnie Valdivia</p> <p><i>Caltrans Annual Performance Reporting</i> Michael Johnson</p> <p><i>TAMP Implementation and Consistency: A Check-in On Progress</i> Shaker Rabban</p>	<p>(R) It's What's For Dinner! Your One-stop Shop for Interdisciplinary Risk Management <i>Moderator: Mara Campbell</i></p> <p><i>North Central Texas Regional Transportation and Stormwater Management Integration (TSI) Initiative</i> Jeffrey Neal; Kate Zielke; Matthew Lepinski; Nick Jaber; Craig Ottman</p> <p><i>Incorporating Resilience into Asset Management: International Experience</i> Gerardo Flintsch</p>	<p>(S) Resilience Planning Framework for Transportation Systems <i>Moderator: Victor Rivas</i></p> <p><i>Leveraging Systems Practices to achieve Resilient outcomes</i> Anne O'Neil</p> <p><i>Organizational Resilience: The Relational Coordination Factor</i> Jody Hoffer Gittel</p>	<p>(W) Asset Management: The Boston Metropolitan Experience <i>Moderator: Ken Miller</i></p> <p><i>Panel Presentation</i> Carrie Lavallee</p> <p><i>Panel Presentation</i> Jeff Gonneville</p>

O=Organizing for Asset Management; P=Actionable Asset Management Plans; R=Managing Risks through Asset Management; S=Advancing Sustainability in Asset Management; W=Wildcard (Emerging Topics, etc.)

<i>TAM and Quality: Setting the Foundation for Success</i> Laura Zale		<i>Quantifying Transportation Resilience to Flooding: A Focus on Community Mobility</i> Cristina Torres-Machi; Francisco Contreras		
12:00PM-1:30PM				
Networking Luncheon				
<i>Lunch – Meeting of the TRB Standing Committee on Transportation Asset Management (AJE30) (By invitation only)</i>				
1:30PM-3:00PM Concurrent Breakout Sessions				
(W) FTA TAM Program Update and Support Moderator: Tamalynn Kennedy	(W) TAM: The Final Frontier Moderator: Liz Williams <i>Asset management and environmental justice: water quality and resiliency considerations</i> Annie Bastoni <i>Getting with the program: system modernization at MassDOT</i> Hung Pham <i>Measuring asset criticality for transit ridership and beyond</i> Ronnie Valdivia	(R) New Technologies will Revolutionize the use and Function of TAM in the Decision-Making Process: An Oxford-style Debate Moderator: Matt Hardy <i>Development of a System for Recommending an Optimized Capital Program</i> <i>Incorporating Life Cycle Cost, Risk and Sustainability</i> Justin Bruner <i>Confession of BIM Skeptic</i> Matt Haubrich <i>Risk Management for Transportation Infrastructure with Digital Twin</i> Joshua Johnson	(W) The Feedback Loop: Risk Based Decisions for Service Delivery with Zero Emission Vehicles Moderator: Satyen Patel <i>Invited Presentation</i> Virgle Beeler <i>Journey to Electrification</i> Joseph Sanchez	(W) Back TAM the Future: Developing a Culture of Continuous Improvement Moderators: Laura Zale <i>Panel Presentation</i> Tracy Osimboni

O=Organizing for Asset Management; P=Actionable Asset Management Plans; R=Managing Risks through Asset Management; S=Advancing Sustainability in Asset Management; W=Wildcard (Emerging Topics, etc.)

3:00PM-3:30PM
Break
3:30PM-5:00PM
<p>Closing Plenary <i>Moderator:</i> Laura Zale</p> <p>Turning Your Conference Learning Into Organizational Change Dr. Arthur Markman, University of Texas, Austin</p> <p>Hot Tub TAM Machine The Conference Planning Committee</p>