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TRANSPORTATION PERFORMANCE MANAGEMENT

Sponsored by AASHTO CPBM and the TPM Technical Service Program with support from FHWA



Welcome to the Fall 2024 edition of the *Transportation Performance Management (TPM) Newsletter*, sponsored by the American Association of State Highway and Transportation Officials (AASHTO) Committee on Performance-Based Management (CPBM) in collaboration with the TPM Technical Service Program. The Technical Service Program is supported by AASHTO in collaboration with the Federal Highway Administration (FHWA).

Welcome from the AASHTO CPBM Chair



Christos Xenophontos
 Assistant Director for
 Administrative Services
 Rhode Island DOT
 Chair, AASHTO CPBM

Greetings, Performance Management Community! As the Chair of the AASHTO CPBM, I am pleased to introduce the *Fall 2024 TPM Newsletter*. Please take a few minutes to read the TPM newsletter, which focuses on updates from AASHTO CPBM and related efforts. The articles, resources, and events featured in this edition provide perspectives on enhancing highway safety using performance management and performance-based planning.

The content featured in the *Fall 2024 TPM Newsletter* includes updates on upcoming events, new resources, and tools of interest to the performance management community. In particular, look for the article summarizing the AASHTO- and FHWA-sponsored *Improving Safety with Performance Management Peer Exchange* that took place on September 20, 2024, in conjunction with the AASHTO 2024 Conference on Data Management & Analytics, Planning, and Performance-Based Management in St. Louis Missouri. This event, which was attended by 36 participants from 24 state DOTs and FHWA and AASHTO staff, covered a wide range of safety topics, resources, and practices and generated a robust list of future needs.

We have also included a list of workshops, lectern sessions, and poster sessions at the upcoming TRB Annual Meeting. These include all sessions sponsored or co-sponsored by the Standing Committee on Performance Management (AJE20) and our partner TRB Standing Committees.

If you are an AASHTO Transportation Performance Management (TPM) Technical Service Program (TSP) member, thank you for continuing to support capacity-building resources like this periodic newsletter, the recent peer exchange, and our TPM and Transportation Asset Management (TAM) Webinar Series. If your agency has not joined the TSP yet, please get in touch with me or [Anna McLaughlin](mailto:AnnaMcLaughlin@AASHTO.org) from AASHTO for more information.

I hope you enjoy the articles in this *Fall 2024 TPM Newsletter*. I look forward to your feedback on this edition and the topics you want featured in upcoming issues. Feel free to contact [Anna McLaughlin](mailto:AnnaMcLaughlin@AASHTO.org) or me with any feedback or suggestions for future articles.

Wishing you safe travels and a joyful holiday season! May your journey be filled with warmth, laughter, and beautiful memories. Enjoy every moment, and may the holidays bring you comfort and joy!

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 Assistant Director for Administrative Services, Rhode Island DOT
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Improving Safety with Performance Management

This article summarizes the proceedings of the 2024 Improving Safety with Performance Management Peer Exchange hosted by the FHWA and the American Association of State Highway and Transportation Officials (AASHTO) TPM TSP. The peer exchange was held in St. Louis, Missouri, on September 20, 2024. An [Improving Safety with Performance Management Peer Exchange Event Page](#) is published on the TPM Portal.

PURPOSE OF THE PEER EXCHANGE

The 2024 AASHTO Improving Safety with Performance Management Peer Exchange was a collaborative forum to share noteworthy practices and lessons learned in applying transportation performance management to achieve better transportation safety performance. The peer exchange brought together State DOTs, FHWA, AASHTO, and other transportation agencies to discuss the latest strategies, tools, and resources for improving safety performance management and reducing transportation-related fatalities and serious injuries.

The peer exchange focused on advancing safety with performance management practices, gaining knowledge of available resources, and discussing the future of safety performance nationally and within transportation agencies. The participants exchanged valuable insights and prioritized current safety performance management needs.

Key objectives for the event included:

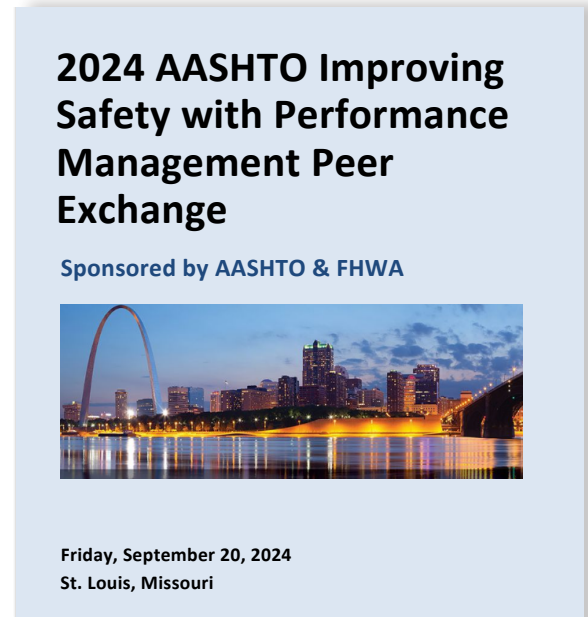
- Discuss the safety countermeasures and leading indicators to improve safety performance
- Examine ways to incorporate safety considerations early in the scoping and planning of projects
- Advance the state of the safety performance management practices by sharing noteworthy practices and lessons learned
- Gain knowledge of the resources that are available to support the performance management and safety communities and the existing gaps.

NOTEWORTHY SAFETY PERFORMANCE MANAGEMENT PRACTICES

During this session, participants showcased performance management practices implemented by their transportation agencies. Presentations focused on collaborative efforts to implement successful safety initiatives, strategies, and tools that have effectively improved safety performance. Presenters prepared videos of their presentations prior to the peer exchange and gave brief summaries of their practices at the session. Agency presentations included:

- **Utah DOT.** *Performance Metrics in UDOT's HSIP Program.* Jeff Lewis.
UDOT's four regions as well as local agencies can submit ideas for the Highway Safety Improvement Plan (HSIP). Their process for safety projects includes idea generation and application processing (scoring by benefit-cost ratios, ranking and awarding). Lewis provided an example of a UDOT story map on roadway/lane departure crashes. He highlighted UDOT's safety benefit map which is used for statewide predicted crashes. Model calculations are also used for reduced crashes which help to identify locations for safety improvements expected to mitigate risks of crashes.
- **Oklahoma DOT.** *Mechanisms, Methods, & Measures to Support Safety.* Tara Cullum.
Oklahoma DOT's public education campaign is Make Oklahoma Safe. House Bill 4100 (effective Nov. 2023) includes a requirement for teen drivers (ages 15-19) to take a work zone safety and first responder online course. Some of ODOT's highway safety efforts include adding more than 1,485 miles of centerline rumble strips between 2019-2023. Other areas of focus are signage, striping upgrades, raised pavement markers, and wrong-way countermeasures. ODOT has achieved having the structurally deficient bridge total less than 1% since 2019. Another initiative the department is investing in is on rural two-lane highways with deficient shoulders.
- **Indiana DOT.** *Indiana Safety Performance Management.* Jeremy Hunter.

Figure 1. 2024 AASHTO Improving Safety with Performance Management Peer Exchange Summary



Source: AASHTO (2024)

Indiana DOT's strategy features leadership setting safety goals, assessment of risks and opportunities, and mitigation by leveraging innovation. The 2024 SMART goals appear in all employees' work plans. When Indiana DOT analyzed the network, lane departures were 47% of crashes with injuries on local rural roads, 35% on state rural roads. Hunter said they are using vehicle sensor data such as trajectory data and recorded events (hard braking and hard acceleration) instead of waiting for crash data. Tools Indiana DOT is using include artificial intelligence (AI) for evaluating the sensor data, unmanned aerial systems (UAS)/drone video images, and hard braking data imposed on maps.

- **Kansas DOT.** *Noteworthy Safety Practices Driving to Zero.* Vanessa Spartan.

Kansas DOT has been looking at the societal and economic impacts of fatal crashes. They coordinate across three federal and state safety management responsibilities: HSIP, National Highway Transportation Safety Administration (NHTSA) programs, and state crash reports. Twenty-six performance measures are reported annually. Kansas Drive to Zero umbrella encompasses all traffic safety management. The agency has a continued commitment to an organizational safety culture with improved awareness and ownership, increased engagement and partnerships, and "localizing" the Drive to Zero (DTZ). Some of the initiatives include DTZ Coalition champions, DTZ Day at the Capitol, an annual transportation safety conference, the Fans with a Plan social media campaign, using social media influencers, testimonial examples, and data analysis tools with dashboards available to the general public. Spartan highlighted the Kansas Vulnerable Road User Safety Assessment Tool.

- **Missouri DOT.** *Safety Assessment for Every Roadway (SAFER).* Jon Nelson.

Missouri DOT's SAFER program (Safety Assessment For Every Roadway) was presented. There has been an evolution of safety using better data, cross-discipline countermeasures, benefit-cost analysis, and a safe system approach. Redundancy is key to layer defenses. Nelson presented a Safe System story with a baseball analogy. Missouri DOT is taking a strategic, measured approach by asking the right questions for every project during the scoping phases of projects. Cultural change, workforce development, and accountability provide maximum value for investments. Resources used include safety improvement estimators and companion behavioral tools.

- **Georgia DOT.** *Systemic Safety Countermeasures & Collaborative Approaches to Improve Safety Outcomes.* Kelli Roberts and Ron Knezevich.

Georgia DOT has many partnerships through task teams composed of engineers, planners, advocacy groups, public health departments, local governments, federal agencies, and more. A key partnership is with Regional Commissions to support bike/ped planning through education initiatives, long range plans and safety screenings. The Rural Active Transportation Plan is another collaborative effort. Georgia DOT is using the AASHTOWare Safety platform that allows for filtering with a Social Vulnerability Index (SVI). Other initiatives highlighted were a safety equipment purchase program, a partnership with the resurfacing program, and a systemic curve identification program.

- **Michigan DOT.** *Incorporating Safe System Approach Into Project Planning & Programming.* Garrett Dawe.

Michigan DOT's 2023 Strategic Highway Safety Plan incorporates a safe system approach and includes specific goals to reach zero fatalities by 2050. The safe system approach covers implementing strategies for safe road users, safe vehicles, post-crash care, safe speeds, and safe roads. Engineers have the most control over the safe roads element although it is linked to other elements. Michigan DOT has a lot of outreach initiatives to raise awareness, but an enhanced safe system approach is needed. Dawe provided examples of implementation at Michigan DOT – one about lane departures mitigation and another with intersections where vehicles block sight vision.

- **Texas DOT.** *Leveraging Data in Risk and Performance Management for Better Employee Safety Outcomes.* Monica Aleman-Smoot and Jim Padilla.

Managing risk at an enterprise level provides new insights and analysis tools. The program at Texas DOT reviews risks proactively. Where risk management and performance management intersect, it creates a blend of safety and efficiency. The agency brings together division and district employees and creates a culture of innovation and safety. Transportation performance management can transform data into actionable insights to improve outcomes. The presenters highlighted safety training for new and existing employees. There was a targeted analysis of data from human resources and occupational safety to test a hypothesis that new employees are more likely to have an injury/incident. The analysis found that most incidents occur within the first 90 days. Mitigation strategies identified included: enhanced safety training, identifying best practices, and mentorship.

- **Arizona DOT.** *Drones Technology in the Arizona Road Safety Assessments Program.* Daniel Oldham.

The presentation focused on Arizona DOT's experience leveraging drone technology. Oldman described a request for a Road Safety Assessment (RSA) from the National Park Service regarding long queues for entry at a national monument and safety challenges on holiday weekends. The location is in Southwest Arizona near the U.S. – Mexico border. State Road 85 is a rural mi-

nor arterial which can have queues where it takes 1.5 hours to go 4 miles. Drones captured 20 minutes of recordings at various locations and observed gaps in the queue, pedestrians, vehicles stopping, crossing in no-passing zones, and crossing the center line to see the length of the queue. Although drones are not for every RSA, they provided a unique opportunity in this case due to a high vantage point, avoidance of traffic congestion, the ability to see traffic progression, safety, and having no “observer” effect. The agency is continuing to mine the data from the drone video.

Participants discussed the key components of good safety performance initiative implementation, including:

- A system approach
- Coordination and collaboration across the agency
- Partnerships with a variety of stakeholders
- Safety culture
- Proactive data analysis
- Focus on things the agency can control, influence, and measure
- Ask “Why” to find solutions
- Think about safety improvements when scoping all projects
- Use benefit-cost analysis to assist with prioritization
- Recognize and mitigate impacts to vulnerable road users (VRUs)
- Consider multiple countermeasures
- Employ effective story-telling
- Share data and information with the public via dashboards

BREAKOUT EXERCISE: APPLYING SAFETY PERFORMANCE MEASURES TO PRIORITIZE PROJECTS IN YOUR AGENCY’S CAPITAL PROGRAM

The art of good prioritization lies in the ability to balance competing objectives and align them across performance programs. Questions addressed in the breakout session included:

- What are the relationships between safety and other performance objectives, such as asset condition, mobility, and air quality?
- How do you prioritize when there are competing, and sometimes conflicting, needs?
- How do you ensure alignment across an agency’s entire performance management program?

In a small group exercise, each team was asked to apply safety performance measures to prioritize the sample agency’s capital program within a constrained budget, and then explain the reasoning behind their choices. Participants were encouraged to review all resources provided to contextualize the projects and take note of which metrics they rely on in their group rankings.

Some of the observations from the breakout sessions were similar to the insights from the video presentations. Others included:

- Raising design standards to a substantive safety level, not only a normative level
- Tying safe system focus (human-centered approach) to performance metrics
- Expanding post-construction evaluations
- Changes to vehicle manufacturing and insurance processes
- Use of rumble strips is a priority
- Education and awareness are important internally and to external audiences
- Focus on highlighting successes
- Improve work zone management

Anna McLaughlin, AASHTO Program Director of Transportation Program Management, encouraged all state agencies that are interested in future collaborations to join AASHTO’s [TPM TSP](#).

See the videos and links to other resources on the [Improving Safety with Performance Management Peer Exchange Event Page](#) on the TPM Portal.

Spy Pond Partners, LLC

[2024 AASHTO Improving Safety with Performance Management Peer Exchange Summary](#)

2025 TRB 104th Annual Meeting Sessions of Interest

This article summarizes workshops, lectern sessions, poster sessions, and standing committee meetings of interest to the performance management community at the upcoming TRB 104th Annual Meeting taking place January 5-9, 2025. For more information, please visit the TRB Annual Meeting Homepage: <https://trb-annual-meeting.nationalacademies.org/home>

WORKSHOPS

Workshop 1001, *Decarbonizing Mobility Globally: International Perspectives and Experiences with Congestion Pricing and Beyond*, Sunday, January 5, 2025, 9:00 AM-12:00 PM ET, Convention Center, 149, Washington, DC, sponsored by the International Coordinating Council (A0020C).

Workshop 1010, *From Concept to Implementation: Is Your Project Ready?*, Sunday, January 5, 2025, 9:00 AM-12:00 PM ET, Convention Center, 152B, Washington DC, sponsored by Standing Committee on Strategic Management (AJE10), Standing Committee on Workforce and Organizational Excellence (AJE15), Standing Committee on Performance Management (AJE20), Standing Committee on Public Engagement and Communication (AJE40), Standing Committee on Data for Decision Making (AJE70).

Workshop 1026, *Opportunities to Integrate Greenhouse Gas Emissions Considerations in Transportation Planning*, Sunday, January 5, 2025, 9:00 AM-12:00 PM ET, Convention Center, 147B, Washington, DC, sponsored by Standing Committee on Air Quality and Greenhouse Gas Mitigation (AMS10), Standing Committee on Performance Management (AJE20).

Workshop 1056, *Measuring the Impacts and Performance of Transportation Resilience Efforts*, Sunday, January 5, 2025, 1:30 PM- 4:30 PM ET, Convention Center, 146C, Washington, DC, sponsored by Standing Committee on Critical Transportation Infrastructure Protection (AMR10), Standing Committee on Performance Management (AJE20), Standing Committee on Transportation Asset Management (AJE30), Standing Committee on Systems, Enterprise, and Cyber resilience (AMR40).

Workshop 5006, *Measuring Access to Destinations: Exploring Applications of Accessibility Measures to Support Performance-Based Decision Making*, Thursday, January 9, 2025, 9:00 AM- 12:00 PM ET, Convention Center, 145B, Washington, DC, sponsored by Standing Committee on Performance Management (AJE20), Standing Committee on Strategic Management (AJE10), International Coordinating Committee (A0020C).

Workshop 5007, *Transportation Asset Risk and Resilience Strategies and Tools*, Thursday, January 9, 2025, 9:00 AM-12:00 PM ET, Convention Center, 145A, sponsored by Standing Committee on Transportation Asset Management (AJE30), Executive Management Issues (AJE00), Standing Committee on Performance Management (AJE20), Standing Committee on Extreme Weather and Climate Change Adaptation (AMR50).

LECTERN SESSIONS

Lectern Session 2068, *Harnessing Emerging Technology for Enhanced Transportation Performance*, Monday, January 6, 2025, 10:15 AM- 12:00 PM ET, Convention Center, 152A, Washington, DC, sponsored by Standing Committee on Performance Management (AJE20).

Lectern Session 3058, *Innovative State Department of Transportation Strategies for Selecting and Managing Projects*, Tuesday, January 7, 2025, 10:15 AM-12:00 PM ET, Convention Center, 151A, Washington, DC, sponsored by Standing Committee on Transportation Planning Policy and Processes (AEP10), Standing Committee on Strategic Management (AJE10), Standing Committee on Performance Management (AJE20), Standing Committee on Economics and Finance (AJE50).

Lectern Session 3060, *What is Happening to Our Workforce?: A State Department of Transportation Executive Conversation*, Tuesday, January 7, 2025, 10:15 AM-12:00 PM ET, Convention Center, 152B, Washington, DC, sponsored by Executive Management Issues Section (AJE00) and multiple Standing Committees, including Standing Committee on Performance Management (AJE20).

Lectern Session 3061, *Advancing Policy through Effective Performance Management*, Tuesday, January 7, 2025, 10:15 AM-12:00 PM ET,

Figure 2. TRB Annual Meeting



Source: TRB (2024)

Convention Center, 152A, Washington, DC, sponsored by Standing Committee on Performance Management (AJE20), Standing Committee on Transit Management and Performance (AP010).

POSTER SESSIONS

Poster Session 4078, *Transportation Performance Management Innovations*, Wednesday, January 8, 2025, 10:15 AM- 12:00 PM ET, Convention Center, Hall A, Washington, DC, sponsored by the Standing Committee on Performance Management (AJE20).

STANDING COMMITTEE MEETINGS

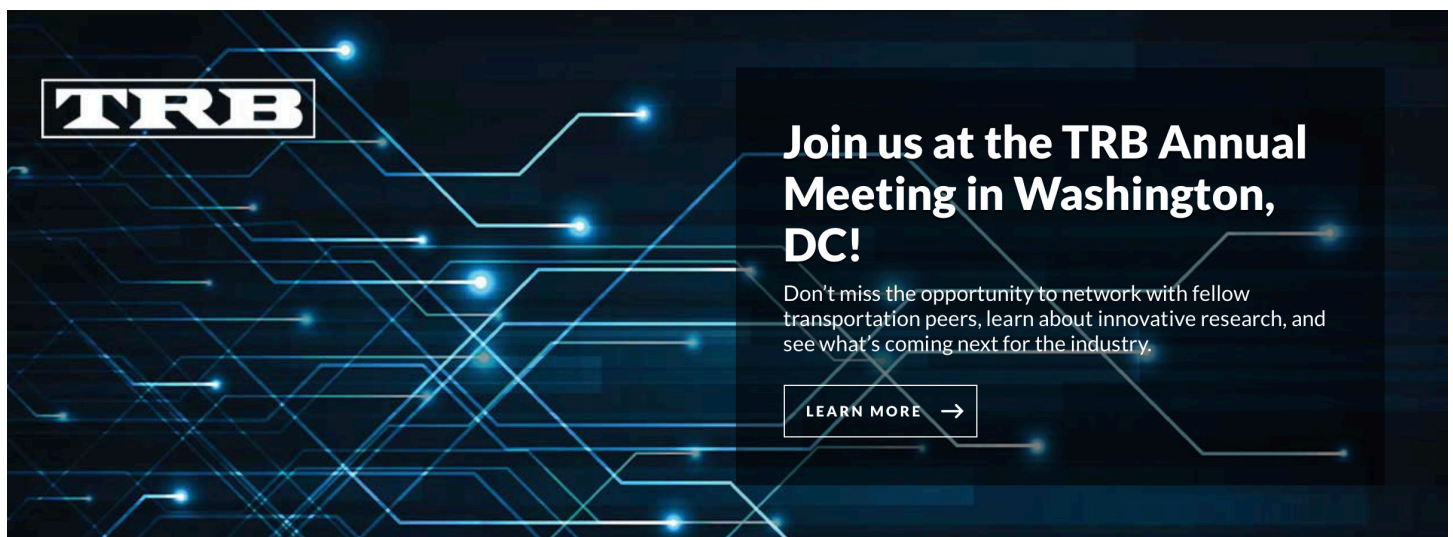
Performance Management Committee Meeting (AJE20), Monday, January 6, 2025, 1:30-5:30 PM ET, Marriott Marquis, Liberty Salon J (M4), Washington, DC, sponsored by the Standing Committee on Performance Management (AJE20).

International Coordinating Council Meeting (A0020C), Monday, January 6, 2025, 8:00 AM-12:00 PM ET, Marriott Marquis, Independence Salon D (M4), Washington, DC, sponsored by the International Coordinating Council (A0020C).

Strategic Management Committee Meeting (AJE10), Tuesday, January 7, 2025, 3:45-5:30 PM ET, Marriott Marquis, Liberty Salon K (M4), Washington DC, sponsored by the Standing Committee on Strategic Management (AJE10).

Workforce Development and Organizational Excellence Committee Meeting (AJE15), Monday, January 6, 2025, 8:00 AM-12:00 PM ET, Marriott Marquis, Liberty Salon K (M4), Washington, DC, sponsored by the Standing Committee on Workforce Development and Organizational Excellence (AJE15).

Asset Management Committee Meeting (AJE30), Monday, January 6, 2025, 1:30-5:30 PM ET, Marriott Marquis, Union Station (M3), Washington, DC, sponsored by the Standing Committee on Asset Management (AJE30).



The banner features a dark blue background with a glowing circuit board pattern. On the left, the TRB logo is displayed in a white box. On the right, white text reads: "Join us at the TRB Annual Meeting in Washington, DC!" followed by "Don't miss the opportunity to network with fellow transportation peers, learn about innovative research, and see what's coming next for the industry." Below this text is a white button with the text "LEARN MORE" and a right-pointing arrow.

Safety Resources

TPM WEBINAR 24: HIGHLIGHTS FROM THE 2024 AASHTO IMPROVING SAFETY WITH PERFORMANCE MANAGEMENT PEER EXCHANGE.

This article summarizes the safety resources provided during TPM Webinar 24: Highlights from the 2024 AASHTO Improving Safety with Performance Management Peer Exchange, which reflected on the Improving Safety with Performance Management Peer Exchange, held in St. Louis, Missouri, on September 20, 2024. The video recording of the webinar and the slides are available on the TPM Portal: <https://www.tpm-portal.com/video/tpm-webinar-24-highlights-from-the-2024-aashto-improving-safety-with-performance-management-peer-exchange/>

AASHTO SAFETY RESOURCES

- AASHTO Committee on Performance-Based Management Website: <https://transportation.org/cpbm/>
- AASHTO Committee on Safety Website: <https://transportation.org/safety/>
- Transportation Management Hub: <https://www.transportationmanagement.us/>
- TPM Portal: <https://www.tpm-portal.com/>
- TPM Portal Video Library: <https://www.tpm-portal.com/video-library/>
- TPM Webinars: <https://www.tpm-portal.com/event-directory/tpm-webinars/>
- AASHTO Safety Initiative: <https://transportation.org/safety/aashto-safety-initiative/>
- AASHTO State DOT Studies on Safety Advancements (AASHTO Transportation Policy Forum) – April 2024: <https://transportation.org/policy/wp-content/uploads/sites/56/2024/05/AASHTO-TPF-Safety-Case-Studies-April-2024.pdf>
- AASHTO Transportation Policy Forum – Safety Initiatives: <https://transportation.org/policy/safety-initiatives/>
- 2024 AASHTO CPBM Annual Business Meeting, 9/19/2024: <https://www.tpm-portal.com/events/2024-aashto-cpbm-annual-meeting/>
- Improving Safety with Performance Management Peer Exchange Event Page: <https://www.tpm-portal.com/events/improving-safety-with-performance-management-peer-exchange/>
- Improving Safety with Performance Management Peer Exchange Summary: <https://www.tpm-portal.com/wp-content/uploads/sites/13/2024/11/Improving-Safety-with-Performance-Management-Peer-Exchange-Summary-110124.pdf>
- Existing, in Development, and Needed Resources for Safety System Approach Resources (Online Mural Digital Resource Map) - Note: if you do not have a Mural account, you can sign in as a guest: <https://app.mural.co/t/safespace6165/m/safespace6165/1686239124009/683719fa4e53ff51156bea69b0e146e4033fb1d6>

FHWA SAFETY RESOURCES

- FHWA Transportation Performance Management Website: <https://www.transportation.gov/grants/dot-navigator/transportation-performance-management-tpm>
- FHWA Highway Safety Programs page: <https://highways.dot.gov/safety>
- Highway Safety Improvement Program (HSIP) page: <https://highways.dot.gov/safety/hsip>

NATIONAL HIGHWAY TRANSPORTATION SAFETY ADMINISTRATION SAFETY RESOURCE

- Highway Safety Grants Program – State Performance Targets: <https://www.nhtsa.gov/highway-safety-grants-program/state-performance-targets>

Figure 3. Charles Meyer, FHWA, Safety Specialist



Source: AASHTO (2024)

AASHTO Updates



Anna McLaughlin

**Program Director
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**American Association of State
Highway and Transportation
Officials**

AASHTO PRESIDENT EUCALITTO EMPHASIZES SAFETY IN 2024-2025 AGENDA

Garrett Eucalitto, Commissioner of the Connecticut DOT, has been elected as AASHTO's 2024-2025 president, with Georgia DOT Commissioner Russell McMurry serving as vice president.

Eucalitto's presidential emphasis area "Centering Safety" focuses on making safety the core priority in all state DOT actions. The initiative addresses three key areas:

- Safer Communities: Implementing Complete Streets policies and proven safety countermeasures through community engagement and partnerships
- Safer Users: Combating increased speeding, impairment, and distracted driving through infrastructure treatments, enforcement, and education
- Safer Workers: Enhancing protection for transportation workers through improved safety equipment, training, and mental health resources

With 40,990 traffic fatalities in 2023, Eucalitto aims to harness AASHTO's full resources to improve safety outcomes and work toward zero deaths. His emphasis on evidence-based solutions and stakeholder collaboration aligns with AASHTO's commitment to address the ongoing safety crisis on America's roadways.

REAUTHORIZATION

At AASHTO's Annual Meeting, October 29–November 1, 2024 in Philadelphia, the Transportation Policy Forum was presented with eight white papers that AASHTO committees developed over the past nine months to identify reauthorization policy priorities. The Committee on Performance Based Management collaborated with the Committee on Planning, and the Committee on Data Management and Analytics to develop one white paper that articulated the following priorities:

1. Maintain and Support Existing Planning and Performance Management Processes
2. Prioritize Formula Funding for State DOTs to Most Effectively Deliver Transportation Programs and Projects
3. Federal Funding Apportionment Should Not Be Tied to Target Achievement
4. Support Existing Asset Management Practices and Eliminate Minimum Condition Levels for NHS Bridges and Pavements
5. Expand Funding Eligibilities to Allow States to Meet Overarching Plan and Program Goals
6. No New Performance Measures
7. No Unfunded Mandates for Data Collection and Analysis
8. Provide Direction to Federal Agencies to Explore Expanded Data Sources and Methods for Data Collection and Assessment

Work continues to refine reauthorization priorities and AASHTO's modal councils will present their white papers at the Washington Briefing, February 2–6, 2025 in Washington DC.

NOTICE OF PROPOSED RULEMAKING: ASSET MANAGEMENT PLANS; MANAGEMENT AND MONITORING SYSTEMS

On November 13, 2024, the FHWA issued a Notice of Proposed Rulemaking (NPRM) to amend its regulations governing risk-based Asset Management Plans. A proposed change is to add emphasis on resilience, which is required by the Bipartisan Infrastructure Law (BIL). The other changes will help in consistency determination and encourage inclusion of other asset classes. The full notice can be found on in the Federal Register: <https://www.federalregister.gov/d/2024-26200>.

Comments are due Monday, January 13, 2025.

Join the CPBM Asset Management Subcommittee on Wednesday, December 4, 11:00 AM-1:00 PM ET, to discuss the recently released NPRM. Zoom Meeting: <https://us02web.zoom.us/j/84634626587?pwd=pa197wtskhsolqeDhGbwzahancbouu.1> (Meeting ID: 846 3462 6587, Passcode: 817746).

We also hope you can join the CPBM Policy and Rulemaking Subcommittee on December 10, 1:00-2:00 PM ET for a discussion of the NPRM. Susan Howard, AASHTO Director of Policy and Government Affairs, will also join us to discuss the incoming administration. Zoom Meeting: <https://us02web.zoom.us/j/84059563380?pwd=rYPz3Kk92O0IOQNmwOobdxIL7mac4s.1> (Meeting ID: 840 5956 3380, Passcode: 180979).

AASHTO PERFORMANCE MANAGEMENT TECHNICAL SERVICE PROGRAM

The TPM TSP supports state transportation agencies with implementing and sustaining performance management and provides a suite of offerings. The program includes core and optional services:

- Learning and capacity development resources and tools, including the TPM Webinar Series, TAM Webinar Series, and TPM Newsletter
- TPM Information Clearinghouse at <https://www.transportationmanagement.us/>
- Member Knowledge Transfer through in-person and virtual workshops, meetings, and peer exchanges
- Deep-Dive PM3 TPM Planning Analytics (OPTIONAL)
- Customized Implementation Support and Web Portals (OPTIONAL)

For more information about joining the TPM TSP, please visit: <https://transportation.org/performance-management/> or reach out directly to Anna (contact information below).

Anna McLaughlin

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Featured Transportation Research

Below is a selection of active and recently completed AASHTO, FHWA, and National Cooperative Highway Research (NCHRP) projects and NCHRP synthesis projects related to transportation performance management and the future transportation agency. Please note: Project descriptions shown in italics are directly from the National Academies of Sciences, Engineering and Medicine, Transportation Research Board (TRB), National Cooperative Highway Research (NCHRP) website, www.trb.org. Accessed October 2024.

Tackling the Road Safety Crisis: Saving Lives Through Research and Action. Transportation Research Board Special Report 354, 2024. <https://doi.org/10.17226/27804>.

The study makes a series of recommendations to the U.S. Department of Transportation, including establishing a coordinated, data-driven national road safety research strategy across all federally funded safety programs and improving the efficiency of moving crash intervention research results into practice. The study also calls for systematic research to confirm the validity of safety guidance for practitioners and eliminate outdated and unproven guidance.

2024 Systemic Safety User Guide. U.S. Department of Transportation, Federal Highway Administration.

<https://nationalacademies.us10.list-manage.com/track/click?u=4f1f5aad1cdf8802c08a457cb&id=b6eb49af7e&e=aed2802889>

This guide is an update to FHWA's Systemic Safety Project Selection Tool, published in July 2013. Since the introduction of the systemic approach to safety, transportation agencies, at all levels of government, have made tremendous strides incorporating this analysis as part of their comprehensive safety management strategies. A systemic approach continues to be a fundamental component of how agencies determine proactive, equitable, and cost-effective approaches to improve safety throughout their transportation system.

The updated guide highlights an ever-expanding range of flexibility and creativity that agencies have taken in applying the systemic approach to address the safety of all transportation users – even without what may be considered an ideal dataset. The guide now includes how systemic analysis can support a Safe System Approach by using risk-based assessments at scale.

A National Survey and Roadmap on Complete Streets Infrastructure Asset Management Policy. Transport Policy. October 2024.

<https://doi.org/10.1016/j.tranpol.2024.08.005>

Complete Streets are being implemented across the US, and transportation agencies need to incorporate them into asset management systems cost-effectively maintain functionality. This study developed a roadmap to fill gaps regarding infrastructure asset management.

Synthesis of Information Related to Highway Practices. Practices on Management, Operation, and Maintenance of Automated Traffic Signal Performances Measures. NCHRP Synthesis 20-05/Topic 56-12. <http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=5723>
The objective of this synthesis is to document state DOT practices for enhancing traffic signal management, operations, and maintenance along networks and corridors through the deployment and use of ATSPM systems.

Synthesis of Information Related to Highway Practices. Practices for Transportation Planning in Non-Metropolitan Areas. NCHRP Synthesis 20-05/Topic 56-11. [Active] <http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=5722>
The objective of this synthesis is to document state DOT practices for transportation planning in non-metropolitan areas.

Development of Next-Generation Pavement Performance Measures and Asset Management Methodologies to Support MAP-21 Performance Management Objectives. U.S. Department of Transportation, Federal Highway Administration. FHWA-HRT-23-102. September 2024. <https://doi.org/10.21949/1521432>

This report documents research undertaken to test, refine, and validate several next-generation pavement performance measures and a proposed transportation asset management methodology (TAMM) implemented in pilots at three State departments of transportation (DOTs) and FHWA.

Guide for Creating Effective Transportation Visualizations. NCHRP 08-167 [Active]

<http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=5320>

DOTs and other transportation agencies have invested considerable time and expertise in developing visualizations for performance measures and need to communicate results effectively to multiple audiences. The objective of this research is to develop a guide for state DOTs and other transportation agencies to create and evaluate the effectiveness of transportation visualizations that can be used to improve communication and decision-making.

Performance Measure-Based Framework for Evaluating Transportation Infrastructure Resilience. Transportation Research Record. Vol. 2678, Iss. 5. May 2024. <https://doi.org/10.1177/03611981231190396>

This paper develops and demonstrates the application of a flexible resilience framework that supports transportation resilience decision-making across multiple operational and infrastructure systems.

Operation Performance Management Primer: From Performance Measures to Performance Management. U.S. Department of Transportation, Federal Highway Administration. FHWA-HOP-24-005. April 2024.

<https://ops.fhwa.dot.gov/publications/fhwahop24005/fhwahop24005.pdf>

The purpose of this primer is to orient transportation practitioners to the principles and practices of Operations Performance Measures and Management (OPMM). OPMM aims to support continuous improvement in the practice of Transportation Systems Management and Operations (TSMO).

NCHRP Research Reports 1035 and 993: Setting Performance Targets That Matter. TR News. April-June 2024.

<https://nap.nationalacademies.org/download/28478#>

This article presents highlights from two National Cooperative Highway Research Program (NCHRP) Research Reports created to help state departments of transportation and metropolitan planning organizations decide how to set performance targets, the level at which to set them, and how to navigate the messages their targets send to sponsors and the public.

Is Federal Transportation Performance Management on Target? TR News. April-June 2024.

<https://nap.nationalacademies.org/download/28478#>

On March 30, 2023, the Transportation Research Board (TRB) held a webinar—Successes and Challenges: The First 4 Years of Federal Performance Management. This article presents an overview, from benefits to unintended consequences, of the response to federal performance rules and explores opportunities for future improvement.

NCHRP Synthesis 634: Calibration and Development of State-DOT-Specific Safety Performance Functions. 2024.

<https://doi.org/10.17226/27906>

This synthesis documents state departments of transportation practice on calibration factors and the development of jurisdiction-specific safety-performance functions.

Register for the December 5th Joint AASHTO CPBM / TPM TSP Quarterly Virtual Webinar & Meeting

FEATURE TOPIC: CEO PANEL: CRITICAL ISSUES IN TRANSPORTATION

Thursday, December 5th at 2:00 PM ET

The Joint AASHTO CPBM/TPM TSP Quarterly Meeting will be held on Thursday, December 5th, 2024, from 2:00 to 4:00 PM Eastern Time.

This meeting's feature topic is **"CEO Panel: Critical Issues in Transportation,"** including:

- Current AASHTO President, Commissioner **Garrett Eucalitto**, Connecticut DOT
- Executive Director **Carlos Braceras**, Utah DOT
- Commissioner **Marie Therese Dominguez**, New York State DOT

CPBM Chair **Christos Xenophontos** (Rhode Island DOT) will kick off this quarterly meeting with a welcome and agenda overview. Then, Program Director for Transportation Program Management **Anna McLaughlin** will provide updates on behalf of AASHTO.

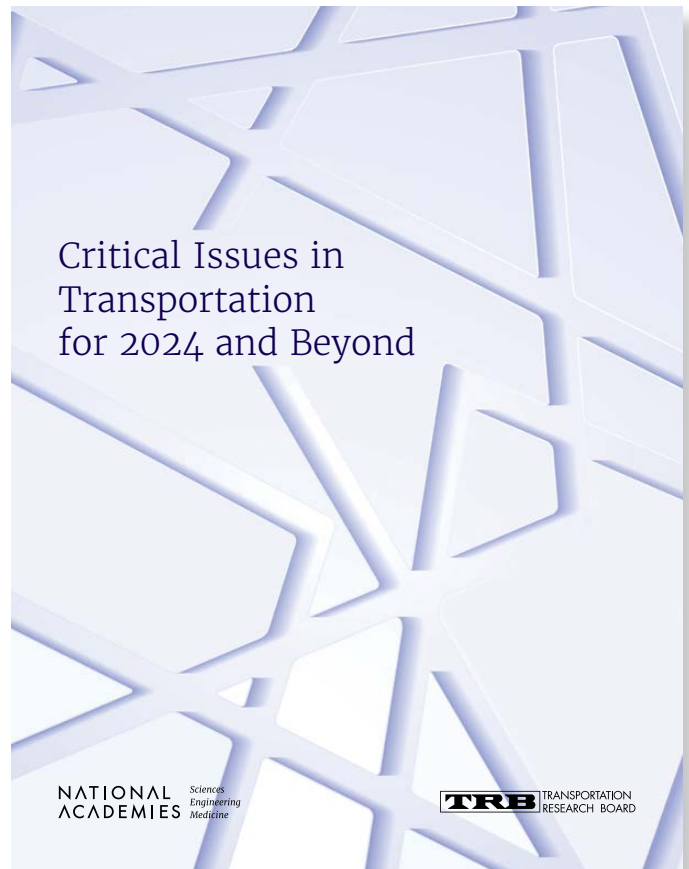
The discussion will explore topics from [TRB's Critical Issues in Transportation for 2024 and Beyond](#). CEO panelists will share their insights and perspectives on the pivotal role of transportation in fostering a thriving society. Key questions will guide the conversation, such as the contributions of transportation agencies in achieving broader societal goals and the various factors—ranging from financial and political to demographic—that shape individual agency contexts. The session will also explore foundational policies essential for success, anticipated challenges, strategies to address these challenges, and metrics for measuring success. The panel will engage in a dialogue about the future outlook of transportation and their outlook for the future.

Then, attendees will hear from TRB AJE20 Standing Committee on Performance Management Chair **Michael Grant** from ICF about workshops, lectern sessions, and poster sessions of interest in the upcoming [TRB Annual Meeting](#).

The session will wrap up with updates from the following CPBM groups: Subcommittee on Policy & Rulemaking, Subcommittee on Research, Subcommittee on Organizational Management, Subcommittee on Risk Management, Subcommittee on Asset Management, and Task Force on Emerging Performance Areas.

You must register in advance for this meeting: https://us02web.zoom.us/meeting/register/tZUrdeutqDMjE9ReEQYFr-9kP2Slo3F3rKFE#/ registration. After registering, you will receive a confirmation email containing information about joining the meeting.

Figure 4. Critical Issues in Transportation for 2024 and Beyond



Source: AASHTO (2024)

Save the Date

CONFERENCES/WORKSHOPS

104th TRB Annual Meeting

January 5-9, 2025

More information:

<https://trb-annual-meeting.nationalacademies.org/home>

15th National Conference on Transportation Asset Management

August 25-28, 2025

More information:

<https://ctre.iastate.edu/events/tam-conference-15/>

WEBINARS

CPBM Asset Management Subcommittee (discussing Asset Management Plans: Management and Monitoring Systems NPRM)

Wednesday, December 4, 11:00 AM-1:00 PM ET

Zoom Meeting:

<https://us02web.zoom.us/j/84634626587?pwd=paI97wtskh-solqeDhGbwzahancbouu.1>

Meeting ID: 846 3462 6587, Passcode: 817746

CPBM Policy and Rulemaking Subcommittee (discussing Asset Management Plans: Management and Monitoring Systems NPRM and incoming administration)

Tuesday, December 10, 1:00-2:00 PM ET

Zoom Meeting:

<https://us02web.zoom.us/j/84059563380?pwd=rYPz3Kk9200IO-QNmWQobdxIL7mac4s.1>

Meeting ID: 840 5956 3380, Passcode: 180979

AASHTO CPBM/TPM TSP Joint Quarterly Meeting

December 5, 2024, 2 PM - 4 PM ET

More information:

<https://www.tpm-portal.com/events/tpm-tsp-quarterly-dec-2024/>

TAM Webinar 72: Asset Performance, Monitoring & Adjustment

December 18, 2024, 2:00 PM - 3:30 PM ET

More information:

<https://www.tam-portal.com/events/tam-webinar-72/>

Get Involved in a CPBM Subcommittee, Work Group, or Task Force

Committee on Performance-Based Management (CPBM)

Chair: Christos, Xenophontos, Rhode Island DOT
Vice-Chair: Jean Wallace, Minnesota DOT
AASHTO Liaison: Anna McLaughlin
FHWA Liaison: Mshadoni Smith-Jackson
For a link to upcoming Joint Quarterly CPBM/TPM TSP Meetings, please visit the event page on the TPM Portal at <https://www.tpm-portal.com/event-directory/>

Subcommittee on Asset Management

Chair: Mike Johnson, Caltrans
Membership Coordinator: Louis Feagans, Indiana DOT
Policy/Rulemaking Coordinator: Todd Lamphere, Washington State DOT
AASHTO Liaison: Anna McLaughlin
FHWA Liaison: Tashia Clemons
Meetings: Monthly joint meetings with TRB AJE30, third Monday of each month, 1 PM – 2:30 PM Eastern Time
For a link to Zoom meetings please visit the TAM Portal at <https://www.tam-portal.com/event/>

Subcommittee on Organizational Management

Chair: Gary Vansuch, Colorado DOT
Vice Chairs: David Putz, Iowa DOT, and Gehan Elsayed, West Virginia DOT
Secretary: Stacey Houston, Iowa DOT
AASHTO Liaison: Anna McLaughlin
FHWA Liaison: Vacant
Meetings: Monthly joint meetings with TRB AJE15 Workforce Development and Organizational Excellence Committee, third Tuesday of each month from 12 PM – 1:30 PM Eastern Time
For a link to meetings, please contact Gary Vansuch. The subcommittee homepage is located at <https://www.tpm-portal.com/community/cpbm-om/>

Subcommittee on Risk Management

Chair: Nathan Lee, Utah DOT
Co-Chair: William Johnson, Colorado DOT
Vice-Chair: Monica Aleman-Smoot, Texas DOT
Secretary: Patrick Cowley, Utah DOT
AASHTO Liaison: Anna McLaughlin
FHWA Liaison: Daniel Fodera
Meetings: Second Monday of even-numbered months, 1 PM – 2 PM Eastern Time
For a link to Zoom meetings, please visit the ERM Portal at <https://www.erm-portal.com/community/subcommittee-on-risk-management/>

Subcommittee on Policy and Rulemaking

Chair: Ryan Huff, Nebraska DOT
Vice-Chair: Lori Fiset, Rhode Island DOT
AASHTO Liaison: Anna McLaughlin
FHWA Liaisons: Alexis Kuklenski, Mshadoni Smith-Jackson
Meetings: Second Tuesday, 1 PM – 2 PM Eastern Time
For a link to Zoom meetings, please visit the work group homepage at <https://www.tpm-portal.com/community/cpbm/policy/>

Subcommittee on Research

Chair: Edgardo Block, Connecticut DOT
Vice Chair: Alma Mujkanovic, Georgia DOT
AASHTO Liaison: Anna McLaughlin
FHWA Liaison: Nelson Hoffman
Meetings: Monthly meetings, second Friday, 2 PM – 3 PM EST
For a link to Zoom meetings, please visit the work group homepage at <https://www.tpm-portal.com/community/cpbm/research/>

Task Force on Emerging Performance Areas

Chair: Kelly Travelbee, Michigan DOT
AASHTO Liaison: Anna McLaughlin
FHWA Liaison: Christina Leach
Meetings: Monthly meetings, first Wednesday, 2 PM - 3 PM
For a link to Zoom meetings, please visit the task force homepage at <https://www.tpm-portal.com/community/TFEPA/>