

Improving Safety with Performance Management Peer Exchange

In coordination with the *AASHTO 2024 Conference on Data Management and Analytics, Planning, and Performance-Based Management: Connecting the DOTs for a Safe, Equitable, and Data-Informed Future*

Sponsors: American Association of State Highway & Transportation Officials (AASHTO) and Federal Highway Administration (FHWA)

Date: Friday, September 20, 2024, 8:00 AM– 3:00 PM ET

Location: Hyatt Regency at the Arch, St. Louis, Missouri

Contents

Introduction to the Peer Exchange.....	2
Peer Exchange Agenda	3
Additional Resources.....	6
Participant Roster	8



AASHTO Improving Safety with Performance Management Peer Exchange

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The Improving Safety with Performance Management Peer Exchange is a collaborative forum designed to facilitate the sharing of noteworthy practices and lessons learned in applying transportation performance management to achieve better transportation safety performance. The peer exchange will bring together State DOTs, FHWA, 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 will focus 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 agenda will include sessions covering topics such as safety performance metrics and calculation, data analysis, addressing risk and resiliency with safety, enhancing equitable outcomes, better supporting vulnerable road users with safety countermeasures, and improving safety decision-making. The participants will exchange valuable insights and prioritize safety performance management needs. The peer exchange aims to foster a collaborative environment where transportation agencies can work together to improve safety outcomes and optimize future investments.

The peer exchange will offer participants an opportunity to engage in open discussions, share noteworthy safety performance management practices, and explore innovative solutions to enhance transportation safety.

Peer Exchange Purpose & Objectives:

- 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
- Prioritize future safety performance management initiatives for AASHTO/FHWA

AGENDA

Friday, September 20, 2024

Introductions

8:00-9:00 AM Welcome, Opening Remarks. Jon Nelson, Missouri DOT (Host Agency)
 AASHTO Introduction. Anna McLaughlin, AASHTO
 FHWA Introduction. *Charles Meyer, FHWA*
 Peer Exchange Overview and Objectives. *Lori Richter, Spy Pond Partners, LLC*
 Icebreaker. *Lori Richter & Hyun-A Park, Spy Pond Partners, LLC*

A. Insights and Discussion: Safety Survey on Effectively Measuring Safety Performance

In this session, we will present and discuss the results of the transportation safety survey completed by state transportation agencies before the peer exchange. The survey aimed at gathering insights into the current state of transportation safety practices, challenges, and opportunities within transportation agencies. The session will provide an overview of the survey findings, highlighting key trends, common challenges, and best practices identified by the participating agencies. Attendees will participate in small group discussions to share their experiences and insights on the survey results. This session will serve as a platform for exchanging ideas and learning from the diverse experiences of transportation safety practitioners across different agencies.

9:00 – 9:15 AM Presentation of survey results
 9:15 - 9:45 AM Small group discussion
 9:45 - 10:00 AM Report outs on agency experiences and insights

10:00 - 10:15 AM *Break*

B. Practice Examples: Noteworthy Safety Performance Management Practices

During this session, participants will showcase and discuss noteworthy safety performance management practices implemented by their transportation agencies. Presentations will focus on collaborative efforts to implement successful safety initiatives, strategies, and tools that have effectively improved safety performance. Attendees will have the opportunity to learn from each other and identify potential safety solutions that can be

adapted and implemented within their own agencies. Presenters prepared videos of their presentations prior to the peer exchange, and agency attendees will give a 5-minute summary of their practices at the session.

10:15 - 11:30 AM Session overview & highlights reel (10:15 - 10:30)

Agency presentations (10:30-11:15)

- Utah DOT. Performance Metrics in UDOT's HSIP Program. Patrick Cowley.
- Oklahoma DOT. *Mechanisms, Methods, & Measures to Support Safety*. Tara Cullum.
- Indiana DOT. *Indiana Safety Performance Management*. Jeremy Hunter.
- Kansas DOT. *Noteworthy Safety Practices Driving to Zero*. Valerie Jimenez.
- Missouri DOT. *Safety Assessment for Every Roadway (SAFER)*. Jon Nelson.
- Georgia DOT. *Systemic Safety Countermeasures & Collaborative Approaches to Improve Safety Outcomes*. Alma Mujkanovic.
- Michigan DOT. *Incorporating Safe System Approach Into Project Planning & Programming*. Brad Sharlow.
- Texas DOT. *Leveraging Data in Risk and Performance Management for Better Employee Safety Outcomes*. Jim Padilla.
- Arizona DOT. *Drones Technology in the Arizona Road Safety Assessments Program*. (Unable to Attend Peer Exchange).

11:15 - 11:45 AM Q&A and Group Discussion

11:45 - 12:00 PM Introduction of the breakout session that will be held after lunch

12:00 - 1:00 PM *Lunch*

C. Breakout Exercise: Applying Safety Performance Measures to Prioritize Projects in Your Agency's Capital Program

Participants will break out into groups to conduct this exercise. They will be provided with a set of ten safety projects and associated data and information for each project. The assignment is to rank the ten projects based on the performance measures selected by the group. The group can add data about each project if that data is easily available at the agency. The group should also identify other data and measures they want in the future to better rank the projects.

Each group will enter their exercise results so that they can automatically be presented at the end of the exercise and a summary view that shows the differing results across groups shared.

1:00 - 1:30 PM Breakout Exercise

1:30 - 1:50 PM Group Presentations

1:50 – 2:15 PM Large Group Discussion

Share summary observations about the exercise and the results.

- What measures were used by everyone?
- What measures were new and worth sharing?
- Describe how the rankings:
 - Support the risk mitigation
 - Enhance resilience
 - Mitigate impacts on vulnerable road users
 - Enhance equity, accessibility, and other community-based measures
- Was it obvious which projects were better than others? Did the rankings support what the participants felt were the better projects?
- Were there common wishes across the groups for what new data and measures are needed in the future?

D. How Can We Improve Practice?

2:15 - 2:45 PM Brainstorming and Priority Needs Identification

All participants will be asked to use large sticky notes to suggest ideas for improving practices. These notes will be organized by categories. This will be followed up by a discussion of what people think are the priority needs.

Priority Needs and Peer Exchange Wrap-Up

2:45 - 3:00 PM Participants will be asked to use colored dots to prioritize the priority needs. A summary of the peer exchange wrap-up will follow this.
Anna McLaughlin, AASHTO

Additional Resources

Peer Exchange Event Page

- Improving Safety with Performance Management Peer Exchange event page: <https://www.tpm-portal.com/events/improving-safety-with-performance-management-peer-exchange/>
- Peer exchange agenda is available on this page: <https://www.tpm-portal.com/wp-content/uploads/sites/13/2024/08/DRAFT-2024-CPBM-Safety-Peer-Exchange-Agenda.pdf>
- Pre-recorded practitioner videos can be accessed in several ways:
 - YouTube Channel for practitioner videos: <https://www.youtube.com/watch?v=juzLw4Q7KX0&list=PLhb6y-OCjQyQ7YP8qEUy4q9xtWIK89PW4>
 - Improving Safety with Performance Management video collection page: <https://www.tpm-portal.com/collections/2024-safety-improvement-peer-exchange/>
 - TPM Portal Video Library: <https://www.tpm-portal.com/video-library/>

AASHTO 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/>]
- 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/>

FHWA 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>

NHTSA Resource

- Highway Safety Grants Program – State Performance

Targets: <https://www.nhtsa.gov/highway-safety-grants-program/state-performance-targets>

Links to relevant archived TPM and TAM Webinars

- TPM Webinar #21: The Intersection of Risk, Resilience, & Performance Management [<https://www.tpm-portal.com/video/tpm-webinar-21-the-intersection-of-risk-resilience-and-performance-management/>]
- TPM Webinar #16: Caltrans' Performance Management Framework [<https://www.tpm-portal.com/video/tpm-webinar-16-caltrans-performance-management-framework/>]
- TPM Webinar #5: The Intersection of Risk and Performance Management [<https://www.tpm-portal.com/video/tpm-webinar-5/>]
- TPM Webinar #2 (Miniseries Episode #2): Safety Target Setting [<https://www.tpm-portal.com/video/tpm-webinar-2-2/>]
- TAM Webinar #1: Asset Management & Safety [<https://www.tam-portal.com/video/tam-webinar-1/>]

Improving Safety with Performance Management Peer Exchange Participant Roster

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