



CPBM/TPM Pooled Fund

Quarterly Web Call

March 7, 2024



Agenda

- 2:00 **Welcome and Agenda.** Christos Xenophontos, AASHTO CPBM Chair, Rhode Island DOT.
- 2:05 **AASHTO Updates.** Anna McLaughlin, AASHTO.
- 2:15 **FHWA Updates.** Mshadoni Smith-Jackson, FHWA.
- 2:25 **Feature Presentation: Policy in Action.** Ryan Huff, Nebraska DOT.
- 2:55 **2024-2027 PIARC Work Cycle.**
- **TC1.1.** Deanna Belden, Minnesota DOT.
 - **TC1.4.** Jean Wallace, MNDOT.
 - **TC2.5.** Daniela Bremmer, Washington State DOT.
 - **TC3.3.** Matt Haubrich, Iowa DOT.
- 3:20 **AASHTO CPBM Business Meeting.** Christos Xenophontos, Rhode Island DOT.
- **Subcommittee, Task Force, Work Group Updates.** Subcommittee & Workgroup Chairs.
- 3:50 **Discussion.** All.
- 3:55 **Action Items.** Karen Miller, Missouri DOT.
- 4:00 **Discussion and Wrap-Up.** Christos Xenophontos, Rhode Island DOT.



AASHTO Updates

Anna McLaughlin, AASHTO

- National Performance Management Measures NPRM
 - Comments due Tuesday, March 12
 - AASHTO's comment letter has been completed
- Reauthorization Kick-Off
 - Committees will develop and approve policy recommendation white papers
 - Total of 8 white papers
 - #3: Performance-Based Management, Planning and Data
 - Drafts are due August 19 to be approved by TPF at the AASHTO Annual Meeting (October 29 – November 1; Philadelphia)
- Performance Management TSP
 - FY25 letters of commitment

AASHTO 2024 Conference on Data Management & Analytics, Planning, and Performance-Based Management

September 17-20, 2024

Hyatt Regency St Louis at The Arch | St Louis, Missouri

SAVE THE DATE



AASHTO

Committee on Data
Management and Analytics

Committee
on Planning

Committee on
Performance-based Management



FHWA Updates

Mshadoni Smith-Jackson, FHWA



Feature Presentation: Policy in Action

Ryan Huff, Nebraska DOT
Lori Fiset, Rhode Island DOT



Policy in Action

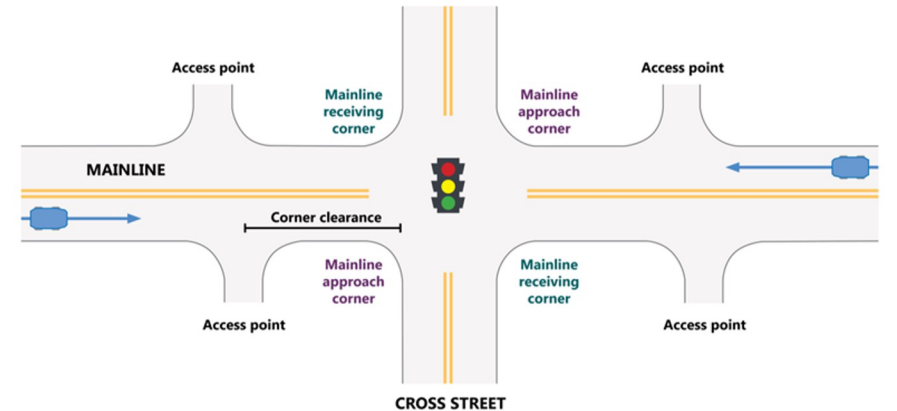
pol·i·cy

- A course or principle of action adopted or proposed by a government, party, business, or individual.



E.g.

- Work from Home
- Access Control
- Cable Median Guardrail
- Bridge Performance and Funds

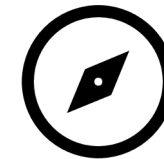




Policy in Action

Why Are Policies Important?

- Guidance and Direction
- Consistency and Fairness
- Risk Management
- Compliance and Legal Requirements
- Operational Efficiency
- Promotion of Values and Culture
- Stakeholder Confidence





Why Are **GOOD** Policies Important?

Reduce the following:

- Rigidity
- Complexity
- Non-Compliance
- Risk
- Unintended Consequences

Wells Fargo Opened a Couple Million Fake Accounts

You get what you measure, even if it's not what you wanted.

September 9, 2016 at 5:30 AM CDT



By **Matt Levine**

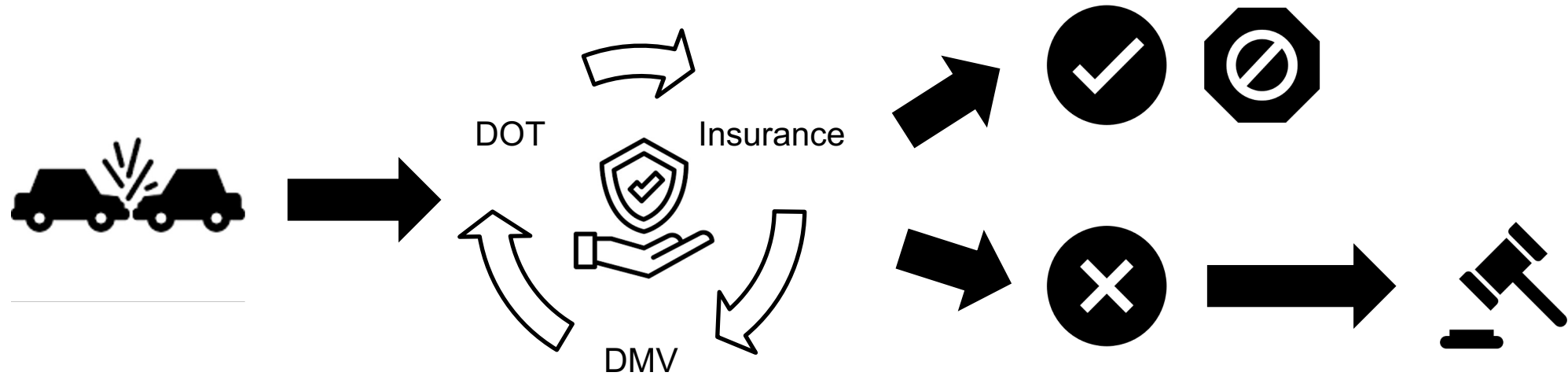
Matt Levine is a Bloomberg Opinion columnist. A former investment banker at Goldman Sachs, he was a mergers and acquisitions lawyer at Wachtell, Lipton, Rosen & Katz; a clerk for the U.S. Court of Appeals for the 3rd Circuit; and an editor of Dealbreaker.





Policy in Action

Case Study: Checking for Insurance Coverage for At-Fault Drivers in Nebraska



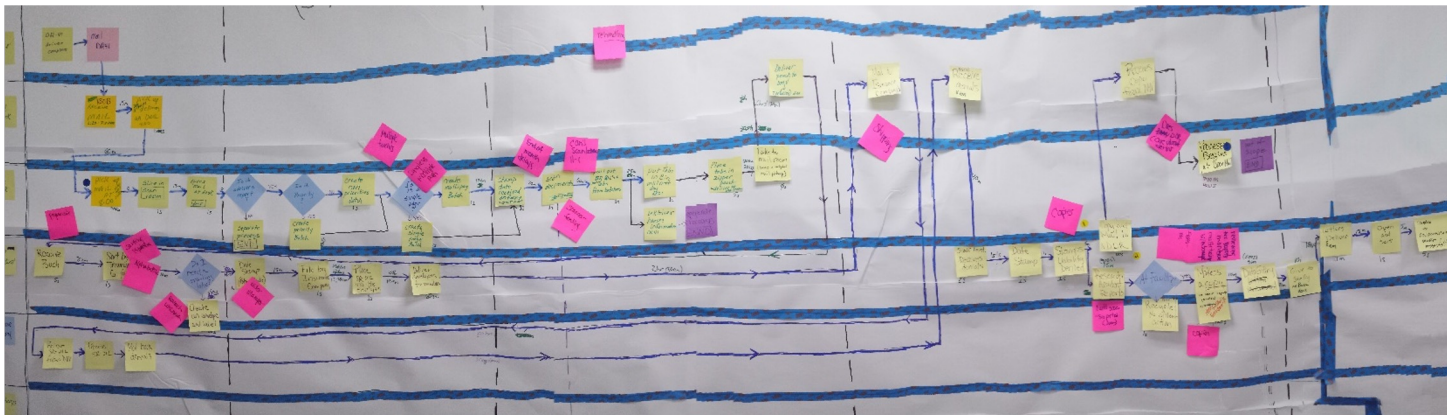
Drivers at fault, w/o insurance = Points off their drivers license/suspension

Protecting the public from uninsured drivers = **Good**



Policy in Action

Case Study: Checking for Insurance Coverage for At-Fault Drivers in Nebraska



% of all crashes involving a driver without insurance = **0.007**

Is this policy effective? Or was it chasing an issue that almost never happens?



Policy in Action

Case Study: NEVI in Nebraska

- Build on “Alternative Fuel Corridors” (AFCs) first
 - Every 50 miles, within 1 mile
- Must be publicly accessible
- Must have a Plan - updated yearly
- **Must sell power by kWh**



Veh. A: 1 Hour = 12 kWh



Veh. B: 1 Hour = 8 kWh

Selling in units of time provides the consumer with transparency = **Good**



Policy in Action

Case Study: NEVI in Nebraska



- 100% public power



- State statute restricts the sale in kWh



- Private partners are interested but can't fulfill the Federal requirement

NE statutes effectively restrict NDOT from programming NEVI projects

Policy must be carefully considered even if its well intentioned



Policy in Action

Case Study: NEVI and Buy America



Inducing adoption of EVs and creating domestic jobs = **Good**



Policy in Action

Case Study: NEVI and Buy America



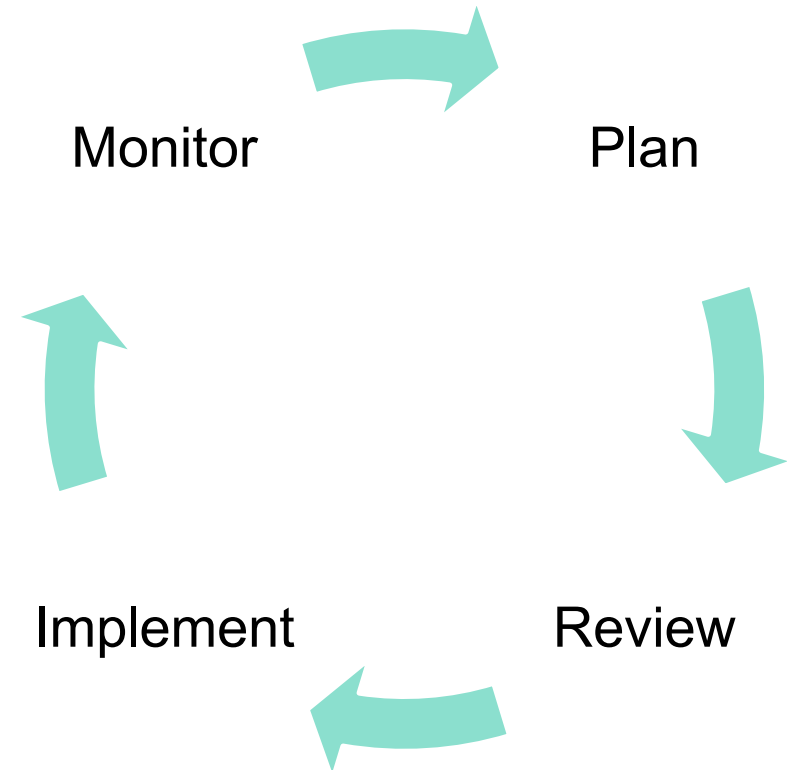
Limited Equipment + 50 States Competing + Complex Requirements = **Bad**

Policies that conflict can interfere with their original intent



Policy in Action

How do we avoid negative Policy consequences?

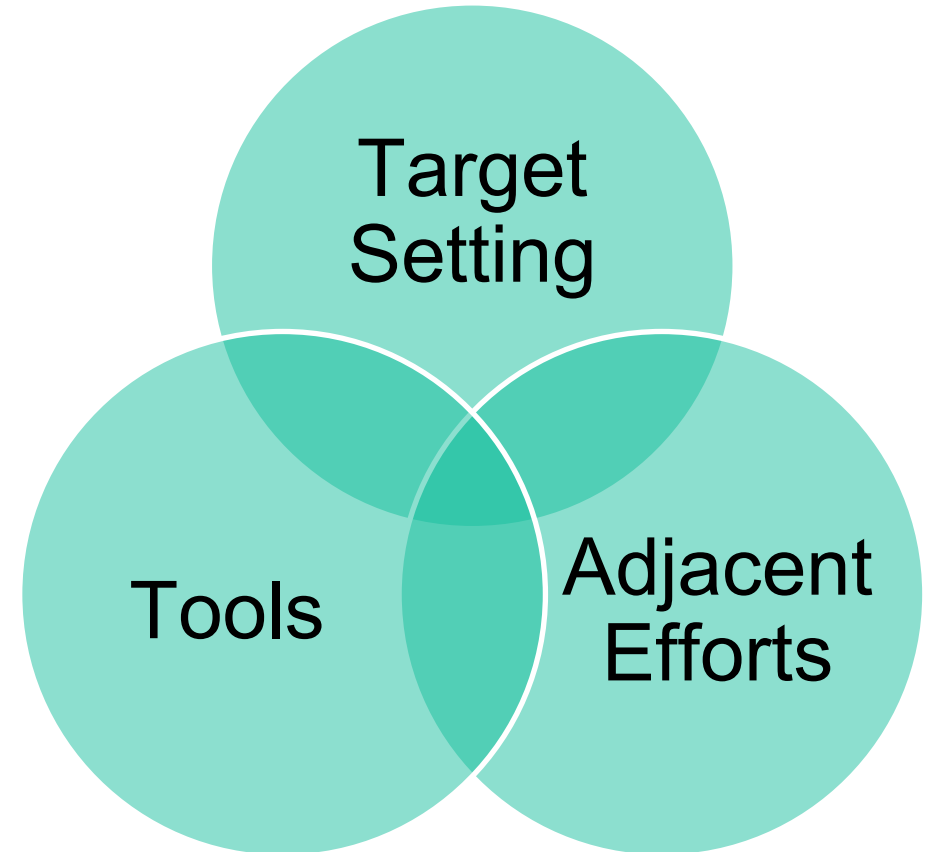
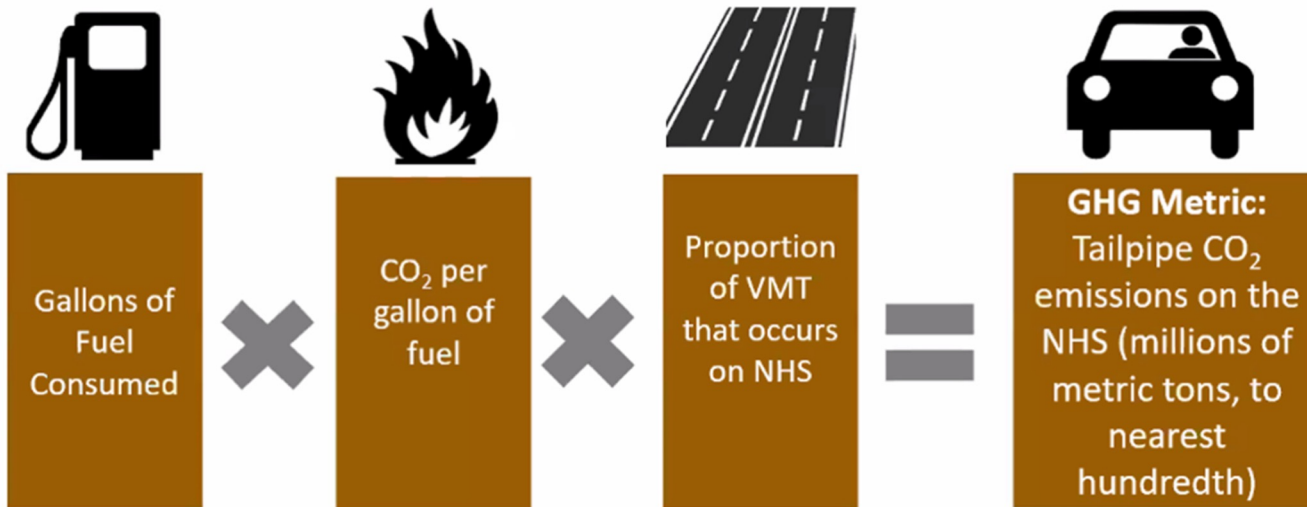




Policy in Action

Rules - Finalized

- Green House Gas Final Rule

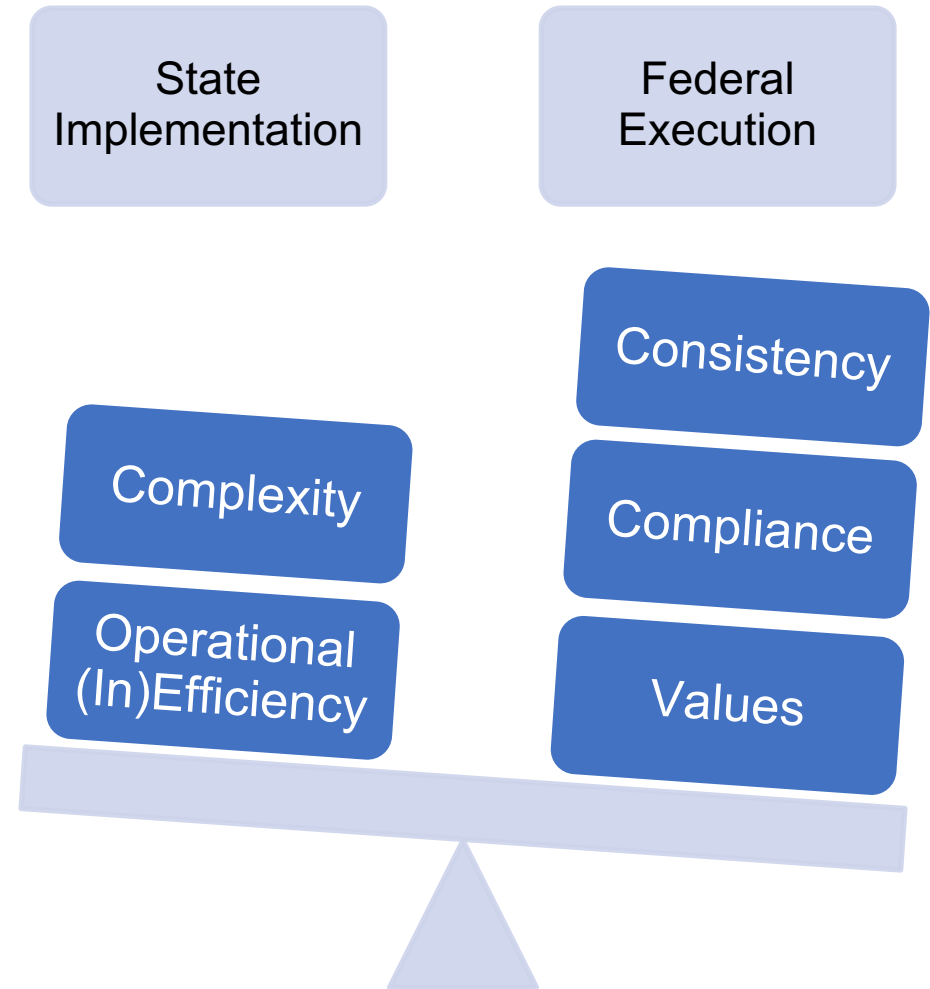




Policy in Action

Rules – In Draft (NPRMs)

- 23CFR490 Cleanup
 - Proposed Rules need review
 - Comments Due 3/12





Policy and Rulemaking Work Group

Other Updates from the Workgroup

- Important dates
 - 3/29 – GHG Target submission enforced
 - MPO Targets Due 180 Days after DOT's
 - 3/12 – 23CFR490 NPRM Comments Due to the Docket



Policy and Rulemaking

<https://www.tpm-portal.com/community/policy-and-rulemaking>

The screenshot shows the TPM Portal homepage. A yellow callout box highlights the 'Community' dropdown menu, which includes links to CPBM, TRB, and a 'More' option. The 'More' option is further expanded to show a list of subcommittees and work groups, with 'Policy and Rulemaking Work Group' highlighted. Below the callout, the homepage features a banner for the 'AASHTO Transportation Performance Management Portal' and a 'Featured Resources' section with three document cards: 'Managing Infrastructure Assets for Sustainable Development', 'Guide to Effective Methods for Setting Transportation Performance Targets (NCHRP Report 1035)', and 'On Sensor Science and Asset Management: Applications of Emerging Performance Areas'. A 'Featured Videos' section is also visible at the bottom.

This close-up screenshot shows the 'Community' dropdown menu. A red arrow points to the 'CPBM' option, which is expanded to show a list of subcommittees: CPBM, Subcommittee on Organizational Management, Subcommittee on Asset Management, Subcommittee on Risk Management, Professional Development and Technical Services Coordinating Subcommittee, and Research Work Group. Another red arrow points to the 'Policy and Rulemaking Work Group' link at the bottom of the expanded menu.



Questions?

Ryan Huff, Nebraska DOT

ryan.huff@nebraska.gov

Lori Fisetto, Rhode Island DOT

lori.fisetto@dot.ri.gov



New PIARC Cycle

TC1.1. Performance of Transport Administrations
Deanna Belden, Minnesota DOT

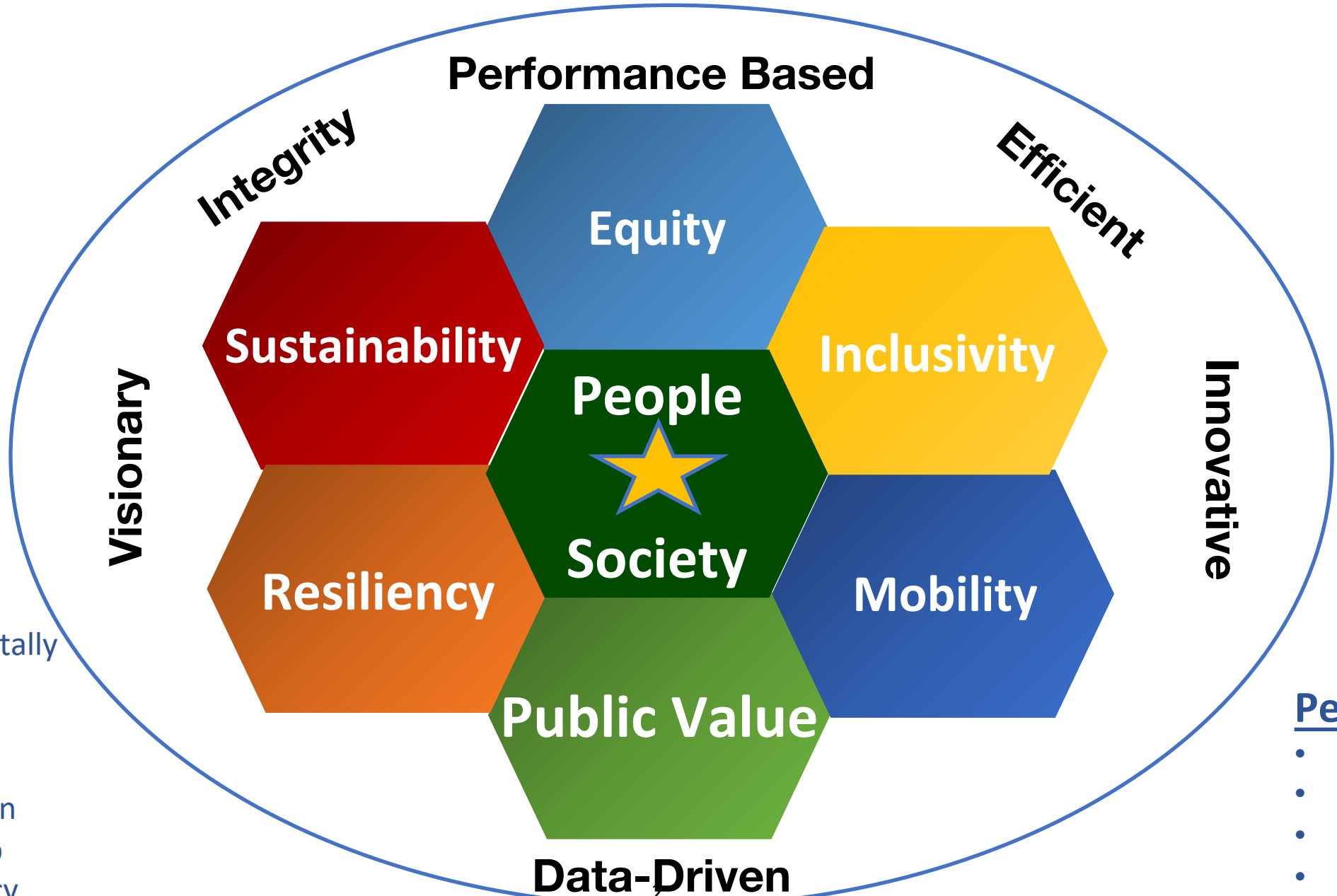


TC 1.1 Performance of Transport Administrations

TC 1.1 Overview – last cycle

- During the 2023-2027 Cycle, TC 1.1 explored topics on Customer Experience, Public Value Creation, Emerging and Disruptive Technologies, Workforce, and issues on Diversity, Equity, and Inclusiveness.
- One of the common threads identified among these topics was how Road and Transport Agencies will need to evolve in the future to address the challenges brought forward by the many externalities.

STRATEGIC FRAMEWORK FOR THE TRANSPORT AGENCY OF THE FUTURE



Need a Home:

- Environmentally Sensitive
- Long-Term Thinking
- Safety Driven
- Stewardship
- Transparency

People:

- Customers
- Staff
- Stakeholders
- Users



TC 1.1 Performance of Transport Administrations

TC 1.1 Overview – new cycle

- In the 2024-2027 cycle, TC 1.1 will extend our work through the umbrella topic of the “Transport Agency of the Future” with furthering the analysis of the following three (3) topics:
 - 1.1.1 Envisioning the Transport Agency of the Future
 - 1.1.2 Public Value Creation by Transport Agencies
 - 1.1.3 Creating a Stronger Future-Focused Workforce
- With support from PIARC’s Communication Commission, TC 1.1 will also investigate the cross-cutting issue of how road agencies can improve their image and standing with the public and stakeholders.



TC 1.1 Performance of Transport Administrations

Issue 1- Envisioning the Transport Agency of the Future

Purpose: Investigate how the Transport Agency of the Future must evolve to meet changing customer needs and to leverage technology and innovation...

Preliminary research questions include:

- Key Drivers of Change on Transport Agencies
- New Transport Modes and Trends in Mobility
- Planning for An Uncertain Future
- Evolving Mission and Purpose
- Changing Roles and Functions
- Organizational Operating Models
- Technology including Digital Transformation
- Equity, Diversity and Inclusivity
- Sustaining Innovation at the Organizational Level
- Engaging with Stakeholder Ecosystem (including Other Public Entities, Private Sector)





TC 1.1 Performance of Transport Administrations

Issue 2 – Public Value Creation by Transport Agencies

Purpose: Explore how the principles of public value can be considered by transport administrations as they redefine strategic frameworks to better represent a focus on more holistic societal expectations.



Preliminary research questions include:

- What drivers should transport agencies consider in their strategic framework review that are linked to public value creation?
- How can Transport Agencies communicate the public value created and improve their overall image with the public?
- Can the use of customer experience in evaluating the implementation of new technologies contribute to increasing the acceptance of new technologies and increasing public value?
- What would agencies need to change in their existing strategic frameworks in order to capture more holistic societal expectations?
- How can agencies measure their progress in these emerging areas?
- Which mode of transportation brings the most value under which circumstances?
- How are the topics diversity and public value connected? In what way do they influence one another?



TC 1.1 Performance of Transport Administrations

Issue 3 Creating a Stronger Future-Focused Workforce

Purpose: Focus on workforce shortage and diversity, equity, and inclusion which is one of the most critical and universal issues facing transport agencies in the public sector and the entire transportation industry.

Preliminary research questions include:

- How do we bring together the aspects of Customer Experience and Equity, Inclusiveness, and Diversity to ensure inclusive engagement?
- What can be done to promote diversity acceptance in the workplace?
- How are Transport Agencies tackling the challenges and obstacles of the different dimensions of diversity in the workplace?
- How can transport agencies become an “attractive employer”, to build an exciting professional image that appeals to inquiring and creative minds?
- Are there skills, new and old, that are more important than others when technology evolves fast? •
- The Agency with Skills and Capacity Fit for the Future - competencies and capabilities needed in the future.
- How do we ensure the transition of institutional knowledge to the workforce of the future?

CPBM/TPM TSP Joint Quarterly Meeting March 7, 2024





New PIARC Cycle

TC1.4. Planning the Resilience of Road Networks -
Climate Change and Other Hazards
Jean Wallace, Minnesota DOT



TC1.4. Planning the Resilience of Road Networks - Climate Change and Other Hazards

WG1: Development of a resilience framework for road networks – climate change and other hazards

- Using the PIARC Climate Change Adaptation Framework for Road Infrastructure developed in the last cycle, the intent is to extend the framework to resilience of road networks, considering an “all-hazards” approach.

WG2: Best practice in understanding organizational resilience for road networks

- Survey and case studies on how transportation agencies are organized to understand, implement, measure and evaluate resilience of road networks.



New PIARC Cycle

TC2.5. Road Infrastructure for Connected and Automated Mobility

Daniela Bremmer, Washington State DOT



TC2.5 Road Infrastructure for Connected & Automated Mobility

WG1: Roads for cooperative, connected and automated mobility

- Identify the characteristics and functionalities that roads must provide to enable cooperative, connected and automated mobility

WG2: Automated driving and infrastructure

- Evaluate the Impact of Automated Driving on Road Infrastructure.
- Identify Physical and Digital Requirements
- Analyze Challenges and Opportunities for Road Operators and Administration

WG3: Policy frameworks and business models for public authorities and road agencies (DB lead)

- Analyze the scope and type of policy, organizational and or business model frameworks needed for road infrastructure organizations for connected and automated mobility applications



New PIARC Cycle

TC3.3. Asset Management
Matt Haubrich, Iowa DOT



TC3.3 Asset Management

The 4-year PIARC cycle just started, and the **Asset Management Technical Committee (TC3.3)** held a kick-off meeting in Paris at the end of January.

For the upcoming cycle, we have split the committee into 5 Working Groups to focus on the following topics:

- **WG1a – BIM and Asset Management**
- **WG1b – Innovative Data Collection and Analysis**
- **WG2 – Measuring for reducing risk and improving the resilience of road networks**
- **WG3 – Renewal and Rejuvenation of Ageing Infrastructure**
- **WG4 – Update the content of the Road Asset Management Manual**



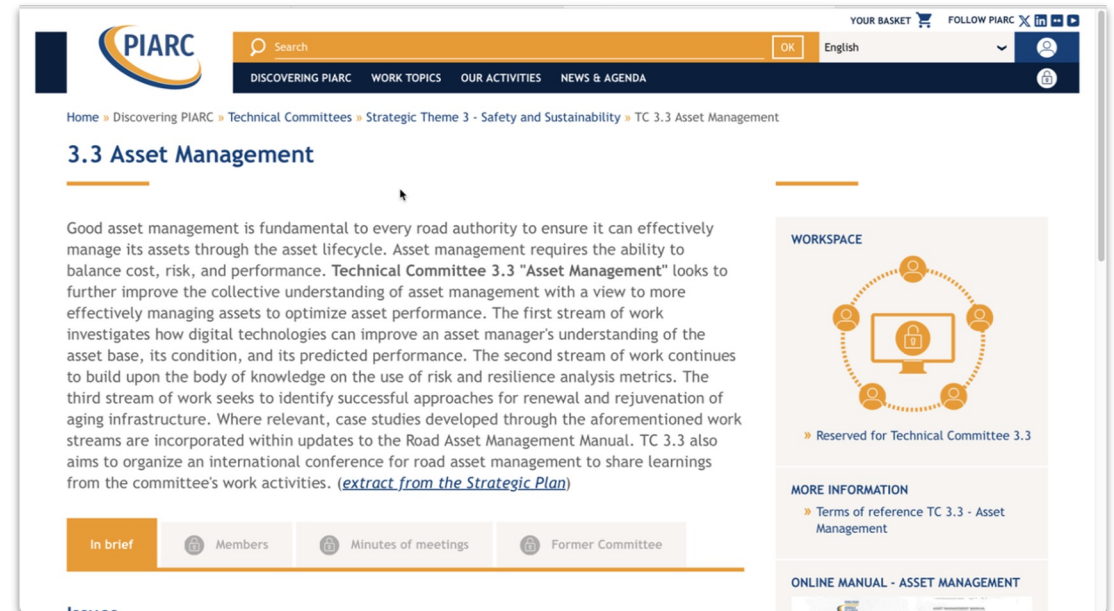
TC3.3 Asset Management

- Matt Haubrich serves as the “main” member of the committee, while Meredith Hill, Tashia Clemmons, and Derek Constable serve as corresponding members who participate in the work of the committee but do not have funding for travel.
- The USA has also nominated two “associate” members – Katie Zimmerman and Omar Smadi – to participate in the committee.
- Matt is coordinating with all US members to ensure that there are opportunities to engage with and support the work of the committee. The committee will next meet Oct 14-15 in Birmingham, UK just before the Highways UK 2024 Conference.



PIARC Committee Involvement

- Technical Committee 3.3 Homepage:
<https://www.piarc.org/en/PIARC-Association-Roads-and-Road-Transportation/PIARC-Technical-Committees/Strategic-Theme-Road-Safety-Sustainability/Technical-Committee-Road-Asset-Management>
- Committee will have two virtual meetings per year in addition to two in-person meeting opportunities
- Seeking:
 - Case Studies!!!
 - Possible presenters for seminars/conferences





CPBM Business Meeting:

CPBM Subcommittee, Task Force, and Work Group Updates

Christos Xenophontos, Rhode Island DOT
AASHTO CPBM Chair



Research Work Group

Edgardo Block, Connecticut DOT
Alma Mujkanovic, Georgia DOT



Research Work Group

“Looking back, looking forward”

2023 accomplishments and remaining action items

- 3 Research Needs Statements submitted for the NCHRP Program (10/30/23)
 - **Status: At state DOTs for balloting**
- 1 Synthesis Topic submitted to NCHRP (2/16/24)
 - **Status: Will be reviewed by Special Committee**
- Action Items: Advocate for the proposed research projects at your state DOT



Research Work Group

Titles and Numbers of RNSs being balloted by state DOTs

- **A23-10** “Scoping Study to Identify Curriculum Development Needs for Workforce Development in Transportation Asset Management”
- **A23-09** “Understanding, Creating, and Measuring Public Value: Lessons Learned from Public Agencies”
- **B25-13** “Advancing Methods to Evaluate Greenhouse Gas Emissions During Transportation Decision Making and Performance Management”



Research Work Group

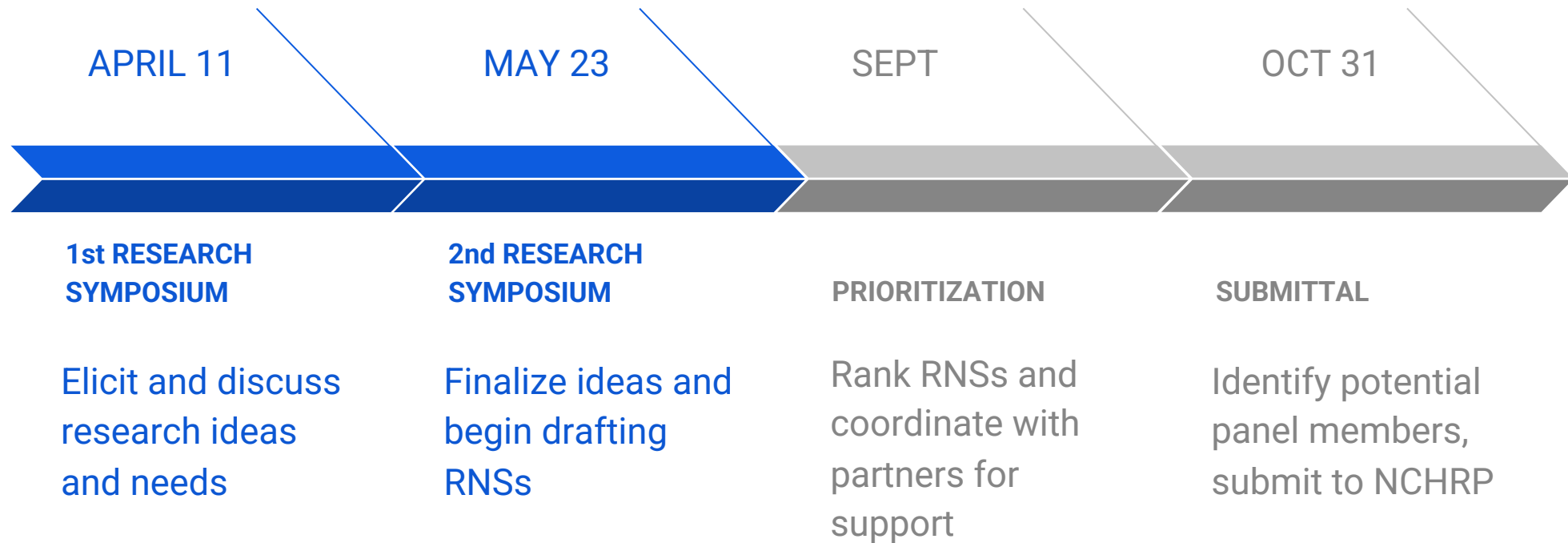
Advocating for these projects (state DOT members):

- Talk to your Research manager at your agency (and to the person assigned to vote for them if it's not you)
- Convey the importance of this research to your agency and through your vote
- The deadline for ballots to be delivered to the AASHTO R&I Committee is March 25th
 - Your state DOT probably has an earlier deadline
 - for instance - Connecticut DOT: [March 11th](#)
- Copies of the RNSs and materials you can use to fill out the ballot available from our Committee



Research Work Group

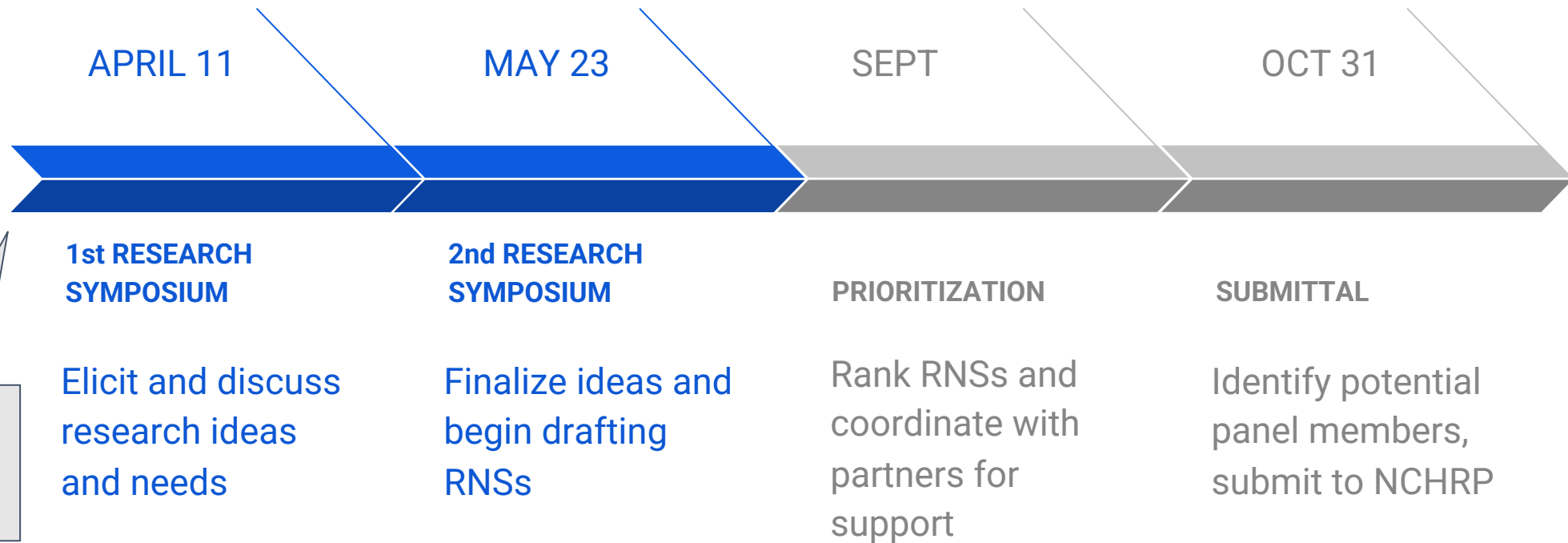
2024 Activities





Research Work Group

2024 Activities



Fill out survey by March 21!



Research Work Group

Survey Link: <https://www.surveymonkey.com/r/568WD6P>





Subcommittee on Organizational Management

Gary Vansuch, Colorado DOT
David Putz, Iowa DOT
Gehan Elsayed, West Virginia DOT





AASHTO Committee on Performance Based Management

Task Force on Emerging Performance Areas

Deanna Belden, Minnesota DOT

Kelly Travelbee, Michigan DOT



Task Force on Emerging Performance Areas

Background & Purpose

- Transportation agency goals and objectives are focusing on broad societal goals spanning across sectors. This has created a need to consider impacts and performance in a range of dimensions that have not been the traditional focus.
- The Task Force works to improve how State DOTs conduct performance management by identifying emerging performing areas, making recommendations for research, and creates a platform for knowledge exchange.
- Areas of interest include multimodal accessibility/destination access, equity, resilience, climate change impacts, health, etc.



Emerging Performance Areas – Current Activities

- Considered a proposal to focus for the next 12-18 months to advance performance consideration and state of practice in one or more of the following emerging topics:
 - **A**ccessibility/multimodal mobility
 - **C**limate/GHG and carbon reduction
 - **E**quity/Affordability
- Task force decided to focus on Equity/Affordability and expand as time and membership allows





Emerging Performance Areas – Current Activities

- Task force members shared impressions and ideas from TRB 2024 at the February meeting
 - *There has been a noticeable change in framing centering on a ‘thriving society’ and how the transportation system supports that; a true paradigm shift*
 - *Community-centered transportation was everywhere in the TRB zeitgeist, though people are still trying to figure out what it means for their work*
 - *There is a lot of research and buzz about the transportation connection to land use, which is a welcome development*
- Discussion will continue to determine actions the task force should pursue with a focus on equity, including potential research problem statements for next year
- Desire to support AASHTO’s strategic emphasis on Safety as it relates to Equity



Emerging Performance Areas – Research

FY24 Funded

- NCHRP 23-34 Advancing Comprehensive Performance Measurement of Transportation Outcomes

FY25 Submitted

- Advancing Methods to Evaluate Greenhouse Gas Emissions During Transportation Decision Making and Performance Management
- Understanding, Creating and Measuring Public Value; lessons learned from public agencies

Under consideration as a future implementation project

- Implementing Effective Resilience Performance Management



Emerging Performance Areas – Please join us!

- Regular monthly meetings held the first Wednesday of the month from 2:00p to 3:00p, eastern time.
- Meeting link at TPM portal: <https://www.tpm-portal.com/community/tfepa/>

Deanna Belden, Minnesota DOT
deanna.belden@state.mn.us

Kelly Travelbee, Michigan DOT
travelbeek@michigan.gov



Joint Subcommittee on System Mobility and Emerging Technologies

Daniela Bremmer, Washington DOT



Joint Subcommittee on System Mobility & Emerging Technologies

- Appreciate everyone's input, participation and support to date in support of DOTs best practice needs on data and performance evaluation for congestion, operation and technology strategies
 - lots was accomplished, SMET was dynamic and pivoted to respond to current and emerging DOT data and perf analysis needs,
 - for example, during the COVID years, SMET provided timely and relevant just in time support to DOTs
 - most recently, need for best practice in using Machine Learning and Artificial Intelligence for perf evaluation becoming a focus
- Completed the Strategic Planning process
- Now, refocusing on the scope and work plan needs for SMET, including :
 - moving from joint subcommittee to a single standing committee model
 - but overlaps will continue and the need for coordination between standing committees exist and is acknowledged
 - conversations on data and performance evaluation needs for congestion, operation and technology strategies continue
 - considering merging with other subcommittees and work groups that focus on AV/CAV/CAT/Technology



Subcommittee on Risk Management

Nathan Lee, Utah DOT
William Johnson, Colorado DOT
Monica Aleman-Smoot, Texas DOT
Patrick Cowley, Utah DOT



Subcommittee on Risk Management

ERM

Resources ▾ Events ▾ Community ▾ About 🔍

Subcommittee on Risk Management

Welcome to the landing page of the Subcommittee on Risk Management.

Risk encompasses the uncertain impacts, both positive and negative, on agency objectives.

The Subcommittee on Risk Management provides an opportunity for collaboration concerning best practices in risk management and concentrates on equipping state transportation agencies with tools and strategies to leverage opportunities and address potential threats.

This includes aligning risk management with performance metrics to identify factors that may impede or enhance the achievement of established goals.

[Edit this Page](#)

Mission & Vision Meetings & Events How Do I Participate? Membership Resources

[Edit this Tab](#)

Leadership

Chair: [Nathan Lee](#), Utah DOT

Co-Chair: [William Johnson](#), Colorado DOT

Leadership names and purpose statement updated

Meetings & Events current

Resources Updated

ERM

Resources ▾ Events ▾ Community ▾ About 🔍

Your Community's Resources

- MNDOT ERM Framework and Guidance 2018
- MNDOT ERM Presentation 02-12-24
- Risk Management Related NCHRP Projects - Feb 2024
- Caltrans 2023 Master ERM Risk Register Template
- Caltrans Risk Assessment Process Instructions
- PIARC Report: Evaluation of Organizational Approaches to Risk
- ISO 31000 Risk Management - Principles and Guidelines



Subcommittee on Risk Management

12
Feb
CPBM Risk Management Subcommittee Meeting



Enterprise Risk Management at MnDOT



Jake Granholm, Performance and Risk Supervisor
Performance, Risk, and Investment Analysis (PRIA)
Office of Transportation System Management



Enterprise Risk Management

Framework and Guidance

January 2018

In This Framework:

- What** is Enterprise Risk Management (Page 2)
- Why** is it important to actively manage risks (Page 2)
- Where** is the process of risk management being used at MnDOT (Page 5)
- How** are key risk management tools informing our decision making (Page 8)
- Who** is responsible for Enterprise Risk Management (Page 9)



Subcommittee on Risk Management



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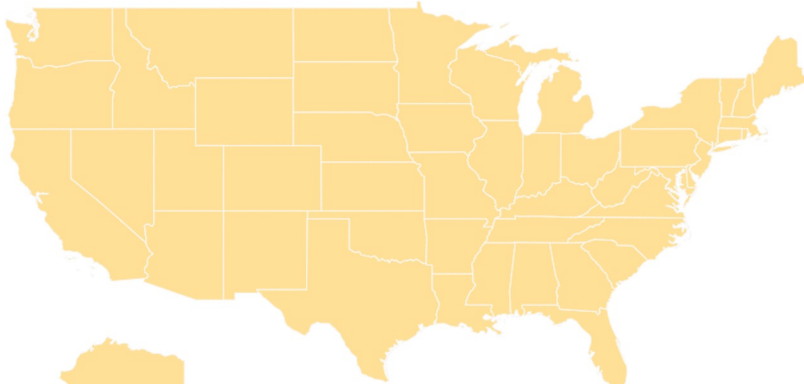
RESILIENCE IMPROVEMENT PLAN (RIP) RESOURCES

Description

Browse RIP resources below, and check out the [RIP Community Page](#) for more information about AASHTO's RIP support.

Search by State

To search the resources by state either click on the state from the map or select a state from the dropdown under search filters.



Resources ▾ Events ▾ Community ▾ About 🔍

Resilience Improvement Plan (RIP) Community Page

The RIP Resources Community Page is a place where state DOTs can upload and access documents related to the development of their RIPs and find out information about what AASHTO is doing to support RIP efforts. Check out the community tabs for more information.

Add a RIP Document

RIP Status by State

How Do I Participate?

Membership

Resources

Name *

Organization

RIP Resource *

Published RIP

Description



Subcommittee on Risk Management

- Upcoming TPM webinar and highlight speakers

Resilience Improvement Plans (RIPs) and Outcomes: Lessons Learned, Application Beyond Natural Hazards

Michael Simmons NV DOT - Stakeholder Engagement

Stephanie Johnson Del DOT - Equity

Sandy Hertz MD DOT - Interdependencies

Risk Community of Practice and Agency Risk Management

Monica Aleman-Smoot, TX DOT

Enterprise Risk Management (ERM) and Performance Outcomes.

Jake Granholm, MN DOT

- Closeout AASHTO task force request



Subcommittee on Asset Management

Matt Haubrich, Iowa DOT
Michael Johnson, California DOT



Subcommittee on Asset Management

- Connect: <https://www.tam-portal.com/>
- Monthly meetings (March 18th)
- Bi-monthly TAM webinar series (April 17th)
 - Co-sponsored by FHWA
- Advocating for TAM Conference in 2025
- Workplan
 - Consistency Review
 - Resource Guide
 - TAMP Review Rubric



Discussion



Review Action Items



Wrap Up

- Notes and materials from this meeting will be posted on the TPM Portal at [TPM-portal.com](https://www.tpm-portal.com)
- Visit the TPM Portal for tools and resources, including links to the TPM Training Hub, TPM Webinar Series slides and recorded sessions, videos, state performance-based plans, and much more content for the TPM Community!
- Watch your email for the Spring 2024 TPM Newsletter coming soon!
- Join us on March 20, 2024 for TPM Webinar 21: The Intersection of Risk, Resilience, and Performance Management from 2:00-3:30 PM ET.
 - Register: <https://www.tpm-portal.com/events/tpm-webinar-21/>