



CPBM/TPM Pooled Fund Quarterly Web Call

March 4, 2021



Agenda

- 2:00 **Welcome.** Tim Henkel, Minnesota DOT
- 2:10 **AASHTO Update.** Matt Hardy, AASHTO
- 2:20 **Feature Presentation: TPM Significant Progress Determination(Mid-Point 1st Performance Period.** Susanna Reck, FHWA
- 3:00 **CPBM Business.**
 - **CPBM Business.** Tim Henkel, Minnesota DOT
 - **CPBM Subcommittee Updates**
 - **Asset Management.** Matt Haubrich and Anne-Marie McDonnell
 - **Organizational Management.** Charlie Purcell and Deanna Belden
 - **Risk Management.** Jean Wallace and Nathan Lee
 - **System Mobility and Emerging Technology.** Daniela Bremmer and Jay Styles
 - **Work Group Updates**
 - **Policy and Rulemaking.** Paul Degges
 - **Research.** Tammy Haas
 - **Professional Development.**



Agenda

- 3:40 **TPM Pooled Fund Business.** Christos Xenophontos, Rhode Island DOT
- 3:40 **Preview AASHTO Transportation Management Hub.** Perry Lubin, Spy Pond Partners, LLC
- 3:55 **Wrap-Up.** Matt Hardy, AASHTO



AASHTO Update

AASHTO Briefing

TPM Significant Progress Determination (Midpoint 1st Performance Period)

Susanna Reck
TPM Team Leader

March 4, 2021



U.S. Department of Transportation
Federal Highway Administration



Items



- Determination Process Overview
- National Condition/Performance Trends
- Progress Assessment Results
- Communication



Process Overview



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Federal Highway Administration

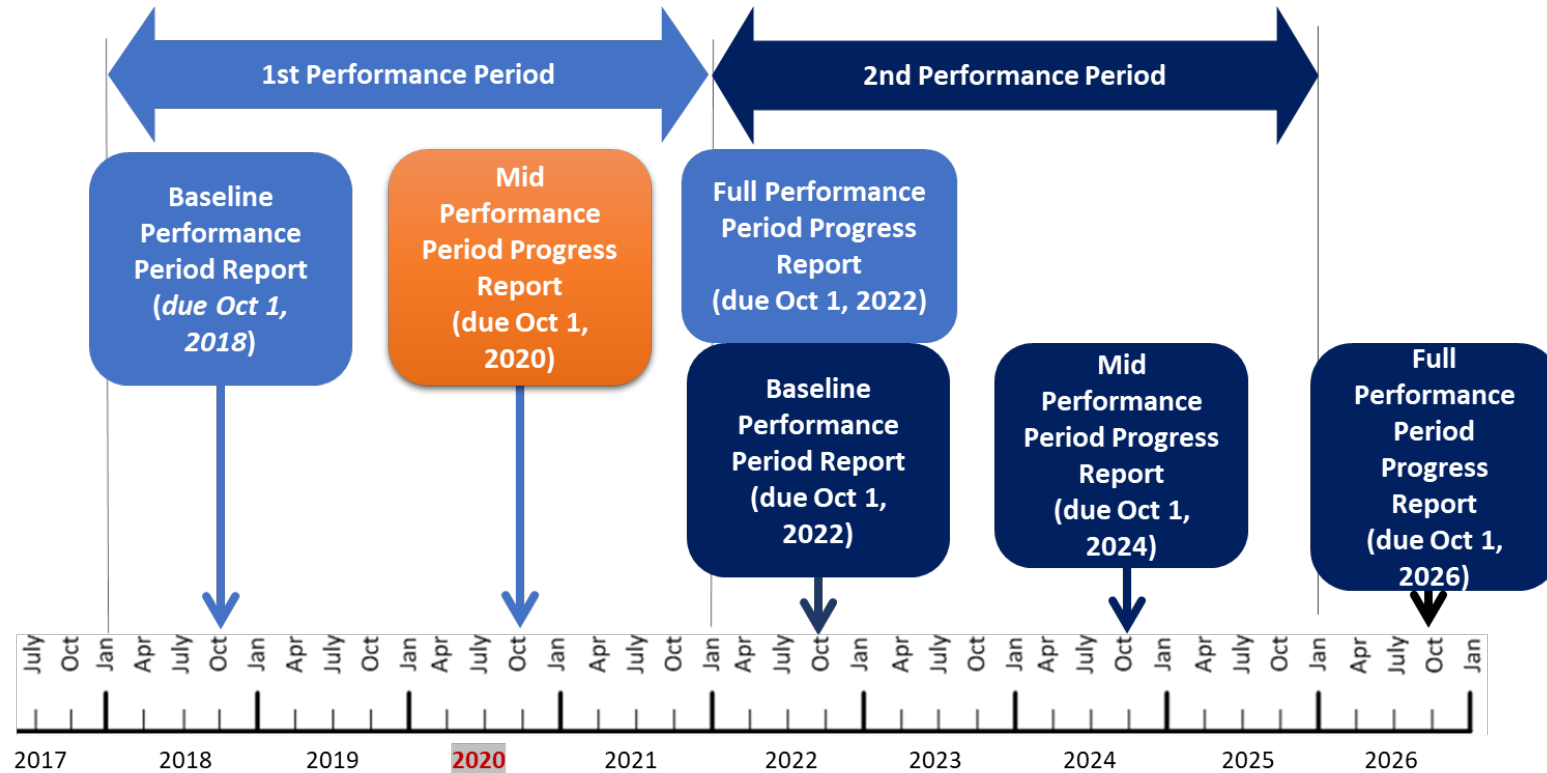


Significant Progress Determination (SPD) ***for NHPP & NHFP Measures [23 CFR 490.109]***

- **Determinations made every 2 years starting in 2020**
- **Applies to State DOT 2-year & 4-year target Achievements for the**
 - 8 National Highway Performance Program (NHPP) Measures
 - 1 National Highway Freight Program (NHFP) Measure
- **For 2020 Determination only, 2-year State DOT Target Achievement for 6 performance measures are assessed (5 NHPP and 1 NHFP Measures) [23 CFR 490.109(e)(3)]**



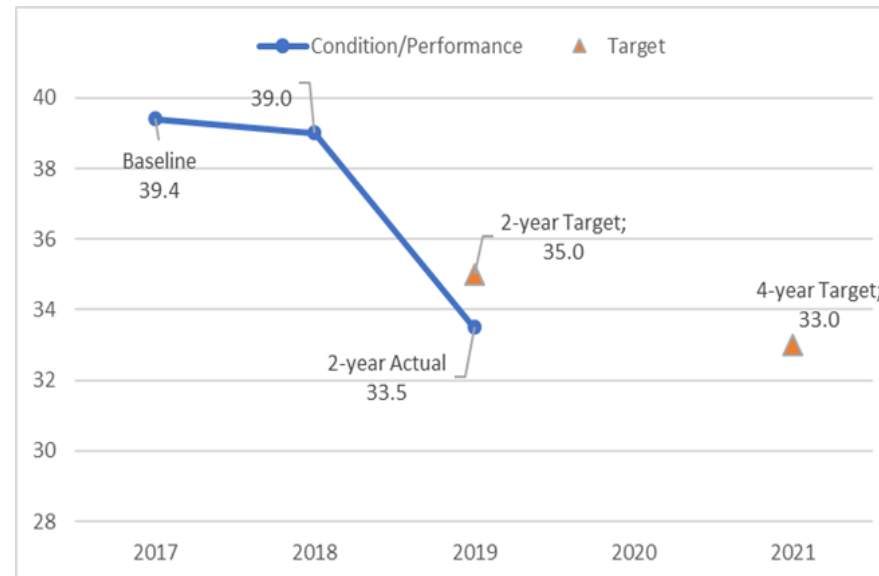
Performance Period and State DOT Biennial Performance Reporting



Assessment Method [23 CFR 490.109(e)(2)]

- FHWA performs following assessments for each target achievement individually:
 - **Target Achievement:** The actual condition/performance level is equal to or better than the established target?
 - **Improvement over the Baseline:** The actual condition/performance level is better than the baseline condition/performance?

- If either one satisfies, FHWA will determine that a State DOT has made significant progress toward the achievement of that 2-year target



Extenuating Circumstances

[23 CFR 490.109(e)(5)(i)]

The FHWA will classify target as “progress not determined” if the State DOT has provided an explanation of the circumstances beyond its control that prevented it from making significant progress toward the achievement of a target and the **State DOT has quantified the impacts on the condition/performance that resulted from the circumstances,**

- *(A) Natural or man-made disasters that caused delay in NHPP or NHFP project delivery, extenuating delay in data collection, and/or damage/loss of data system;*
- *(B) Sudden discontinuation of Federal government furnished data due to natural and man-made disasters or due to lack of funding*
- *(C) New law and/or regulation directing State DOTs to change metric and/or measure calculation.*

If the State DOT's explanation is accepted by FHWA, FHWA will classify the progress toward achieving the relevant target(s) as “**progress not determined**”



Consequences for Not Making Significant Progress [23 CFR 490.109(f)]

- **For NHPP targets**, State DOT must provide a description in the next State DOT Biennial Performance Report the actions it will take to achieve all targets in the measure area
- **For NHFP target**, State DOT must provide following information in the next State DOT Biennial Performance Report .
 - (i) An identification of significant freight system trends, needs, and issues within the State.
 - (ii) A description of the freight policies and strategies that will guide the freight-related transportation investments of the State.
 - (iii) An inventory of truck freight bottlenecks within the State and a description of the ways in which the State DOT is allocating funding under title 23 U.S.C. to improve those bottlenecks.
 - (iv) A description of the actions the State DOT will undertake to achieve the target established for the Freight Reliability measure in § 490.607.
- The State DOTs are encouraged to provide additional reporting within 6 months of the significant progress determination (amend Biennial Performance Report)
- Any target achievement determined as “Progress Not Determined” - no additional reporting is required.



An Example Determination Results for a State DOT

Measure Area	Measures	Baseline	Target	Actual	Better than Baseline?	Achieved Target?	Made Significant Progress?	Consequences [23 CFR 490.109(f)]
The condition of pavements on the Non-InterState NHS	Percentage of pavements of the non-InterState NHS in Good condition	50.9	48.8	55.4	↑ Yes	Yes	Yes	Addition Reporting
	Percentage of pavements of the non-InterState NHS in Poor condition	10.6	13.2	14.0	↓ No	No	No	
The condition of bridges on the NHS	Percentage of NHS bridges classified as in Good condition	48.9	45.7	48.7	↑ No	Yes	Yes	None
	Percentage of NHS bridges classified as in Poor condition	2.3	3.7	2.2	↓ Yes	Yes	Yes	
The performance of the InterStates	InterState Travel Time Reliability measure	100	99.5	99.3	↑ No	No	No	Addition Reporting
Freight movement on the InterStates	Freight Reliability measure	1.12	1.14	1.19	↓ No	No	No	Additional Reporting



An Example Determination Results for a State DOT - Extenuating Circumstances Claim

Measure Area	Measures	Baseline	Target	Actual	Better than Baseline?	Achieved Target?	Made Significant Progress?	FHWA Accepted Extenuating Circumstances?	Consequences [23 CFR 490.109(f)]
The condition of pavements on the Non-InterState NHS	Percentage of pavements of the non-InterState NHS in Good condition	50.9	48.8	55.4	↑ Yes	Yes	Yes	---	Addition Reporting
	Percentage of pavements of the non-InterState NHS in Poor condition	10.6	13.2	14.0	↓ No	No	No	---	
The condition of bridges on the NHS	Percentage of NHS bridges classified as in Good condition	48.9	45.7	48.7	↑ No	Yes	Yes	---	None
	Percentage of NHS bridges classified as in Poor condition	2.3	3.7	2.2	↓ Yes	Yes	Yes	---	
The performance of the InterStates	InterState Travel Time Reliability measure	100	99.5	99.3	↑ No	No	No	No	Addition Reporting
Freight movement on the InterStates	Freight Reliability measure	1.12	1.14	1.19	↓ No	No	Not Determined	Yes	None-Additional Reporting



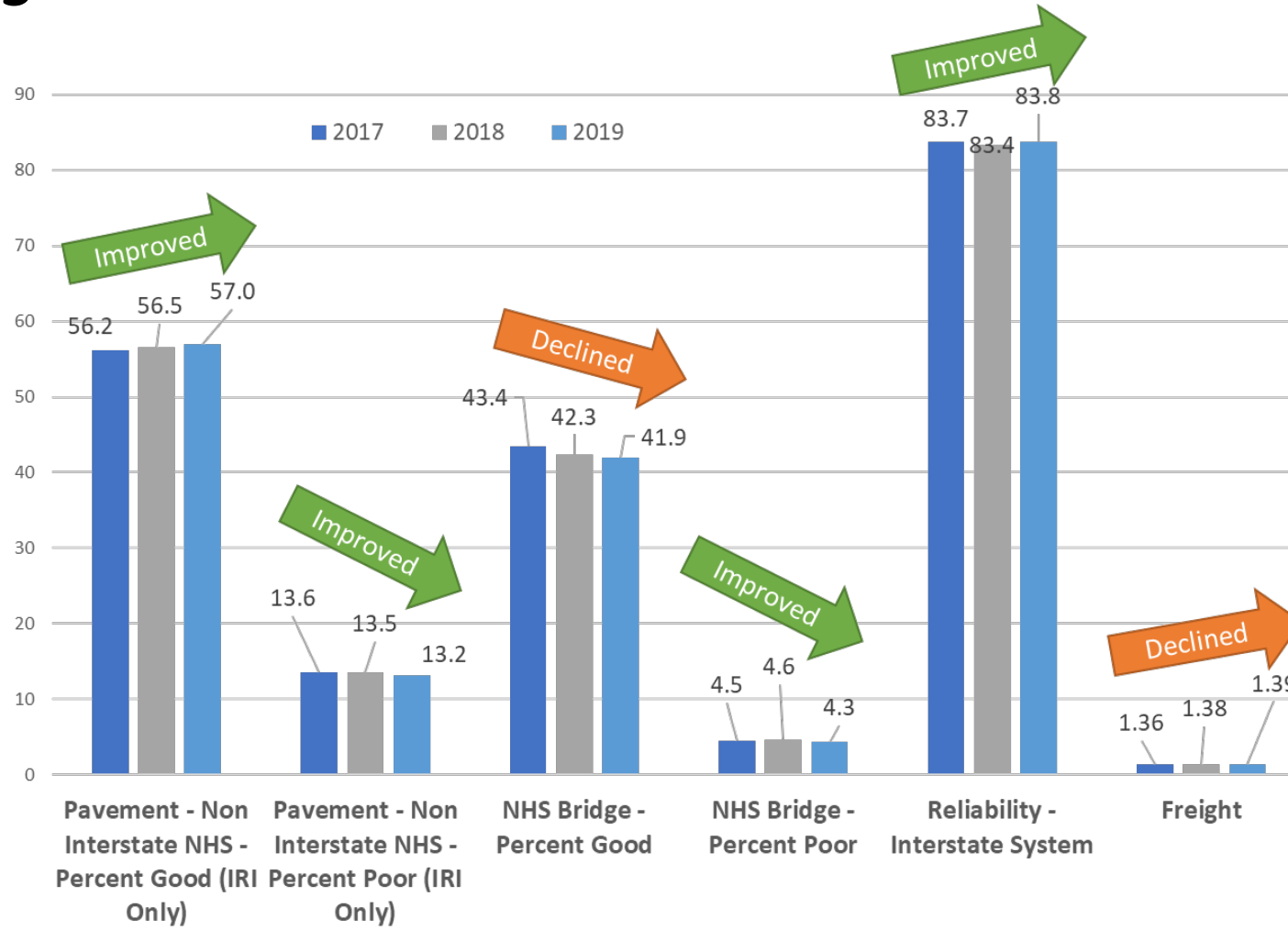
National Trends



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Weighted National Condition/Performance Trends



Observations from the Aggregated Measures



The National Trend didn't appear to change much in 2 years, but a substantial condition/performance change was noticed at the State level.

Measure	National Baseline (2017)	National Actual (2019)	National Change	State Change Distribution
Non-InterState NHS in Good Condition (IRI-Only)	56.2	57.0	Improved by 0.8	Varied from Improved by 8.5 to Declined by 6.0 (mean absolute change: 2.1) 32 States have improved conditions
Non-InterState NHS in Poor Condition (IRI-Only)	13.6	13.2	Improved by 0.4	Varied from Improved by 8.9 to Declined by 2.5 (mean absolute change: 1.0) 28 States have improved conditions
Bridges in Good Condition	43.4	41.9	Declined by 1.5	Varied from Improved by 20.2 to Declined by 17.1 (mean absolute change: 3.4) 18 States have improved conditions
Bridges in Poor Condition	4.5	4.3	Improved by 0.2	Varied from Improved by 5.8 to Declined by 7.0 (mean absolute change: 1.2) 23 States have improved conditions
InterState Reliability	83.7	83.8	Improved by 0.1	Varied from Improved by 3.7 to Declined by 6.4 (mean absolute change: 1.2) 19 States have improved performances
Freight (TTTR Index)	1.36	1.39	Declined by 0.03	Varied from Improved by 0.21 to Declined by 0.17 (mean absolute change: 0.04) 7 States have improved performances



Progress Assessment Results



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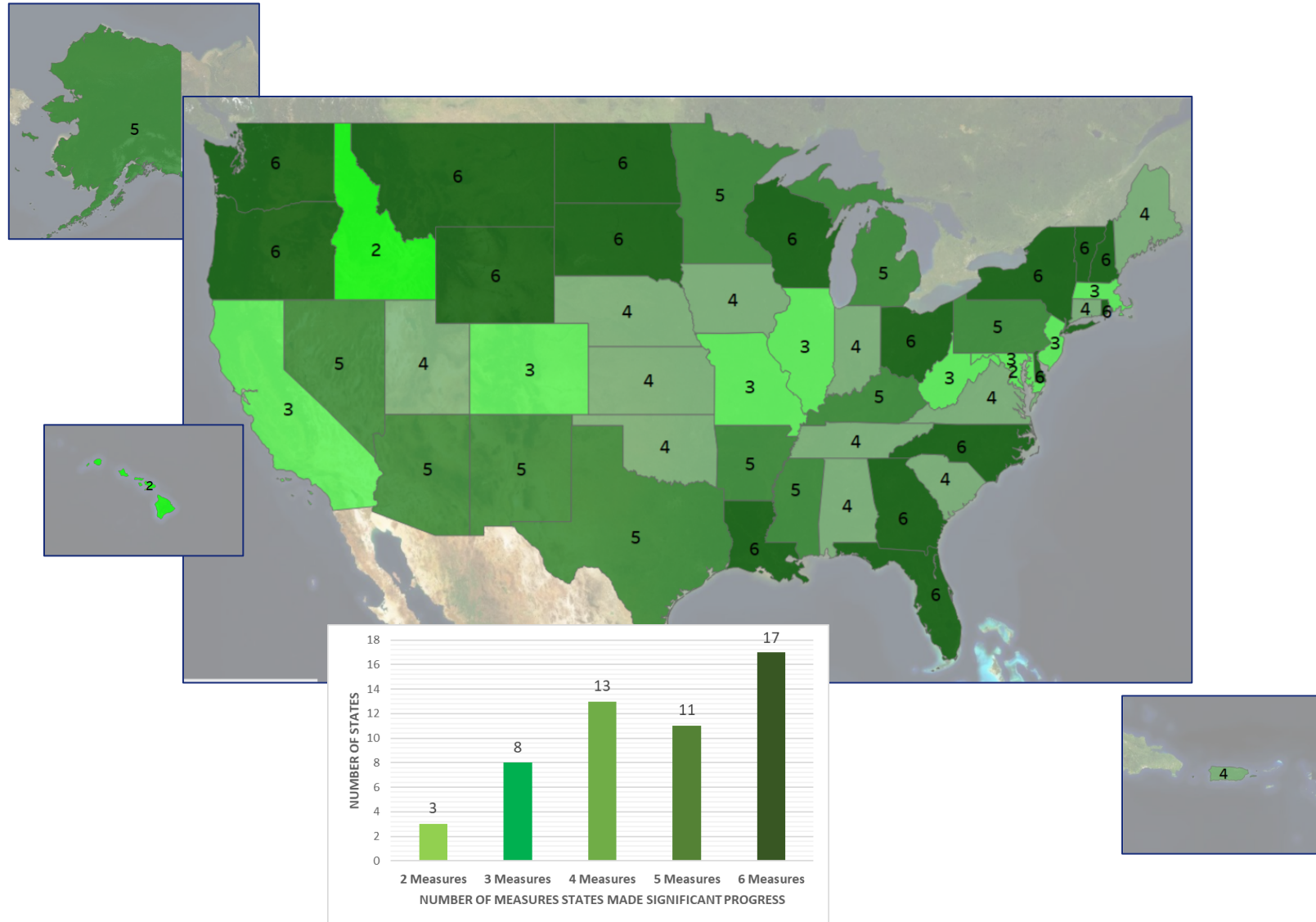
Number of State DOTs Made Significant Progress by Measure



Measure Area	Measure	Number of States Made/Not Made Progress	Target Achieved / Not Achieved	Additional Reporting
<i>The condition of pavements on the Non-Interstate NHS</i>	Pavements: Non-Interstate NHS %Good	47	42	10 States require Additional Reporting for the <i>Non-Interstate NHS Pavements Measure Area</i> .
		5	5	
	Pavements: Non-Interstate NHS %Poor	45	42	
		7	7	
<i>The condition of bridges on the NHS</i>	Bridges: NHS %Good	30	29	25 States require Additional Reporting for the <i>NHS Bridges Measure Area</i> .
		22	22	
	Bridges: NHS %Poor	39	37	
		13	13	
<i>The performance of the Interstate System</i>	Reliability: Interstates	41	41	11 States require Additional Reporting for NHS Travel Time Reliability Measure Area.
		11	11	
<i>Freight movement on the Interstate System</i>	Freight: Interstates	37	37	15 States require Additional Reporting for the <i>Interstate Freight Measure Area</i> .
		15	15	



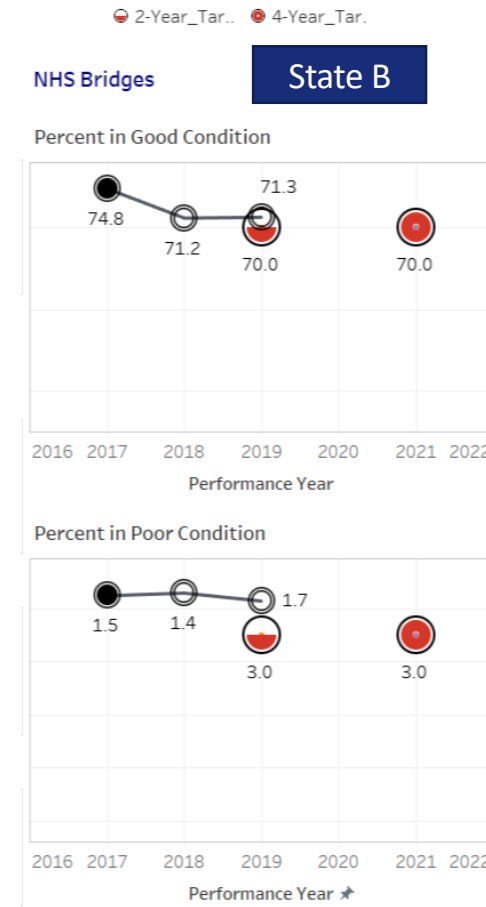
Number Measures State DOTs Made Significant Progress



Observations from the Progress Assessment

Number of measures a State made significant progress does not indicate that State is establishing meaningful targets or adhere to TPM principles. 23 CFR 490.105(e)(4)(iii) requires that the established 2-year targets must reflect the anticipated condition/performance level at the midpoint.

- For example, several States submitted overly conservative targets across the board.
- State “A” made significant progress for all 6 measures – for the 5 NHPP measures, it met targets by an average of 10.4.
- Whereas State “B” made significant progress for 4 of the 6 measures. An average difference between their target and the actual condition/performance was around 1.0 for the 5 NHPP measures.
- 10 States used the minimum condition level (10.0% Poor) as their 2-year targets for NHS Percent Poor Bridges



Observations from the Progress Assessment

23 CFR 490.105(e)(4)(iii) requires that the established 2-year targets must reflect the anticipated condition/performance level at the midpoint. However, inconsistencies were observed in many States' targets.

Measure	Number of States Improved Actual Condition	Number of States Set Declining Targets
Bridges in Good Condition	18	11 of 18 States
Bridges in Poor Condition	23	15 of 23 States
InterState Reliability	19	16 of 19 States
Freight (TTTR Index)	7	5 of 7 States

Measure	Number of States Declined or Constant Actual Condition	Number of States Set Improving Targets
Bridges in Good Condition	34	11 of 34 States
Bridges in Poor Condition	29	5 of 29 States
InterState Reliability	33	4 of 33 States
Freight (TTTR Index)	45	2 of 45 States



Communication & Message



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Key Messages

- **SPD vs. Performance** - On its own, a positive or negative SPD does not indicate overall State DOT condition/performance. To fully understand condition/performance, we need to consider their targets as related to their baseline performance. For example, many States will receive a positive determination when their condition/performance has declined, simply because they set a declining target.
- **Driving Investments** - FHWA intends to better understand how States are performing and how they are using targets for meeting longer-term objectives. As State DOTs TPM mature we should discourage the practice of setting “easy-to-achieve” targets that are not representative of desired or anticipated levels of condition/performance.
- **Data-supported Targets** - Assessing progress is intended to encourage State DOTs to establish data-supported targets that consider anticipated resources and potential uncertainties providing data-supported explanations of condition/performance changes.
- **Communicating Performance** - TPM is not just about making “significant progress.” It is about effectively communicating how the planned projects, the level of available funding, and other circumstances are impacting the condition/performance of the transportation network.
- **Tracking Progress** - The SPD process provides State DOTs opportunity to track their progress of implementing program of projects identified in their plans (TAMP, State Freight Plan, etc.)



Questions?



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CPBM Business Meeting



Asset Management

Focused on supporting State DOT needs related to Asset Management.

- **Implementation activities**
- **Research**
- **Federal requirements**
- **Peer community & information sharing**

Leadership

- **Chair: Matt Haubrich, Iowa DOT**
- **Vice-chair: Anne-Marie McDonnell, Connecticut DOT**
- **Membership Coordinator: Louis Feagans, Indiana DOT**
- **FHWA Liaison: Steve Gaj**

Monthly joint meetings with TRB Asset Management Cmte, second Wednesday of each month (<https://www.tam-portal.com/event/>)



Asset Management

Highlights

- AASHTO Digital TAM Guide (<https://www.tamguide.com/>)
- Helping states get aligned for 2022 TAMP recertification process
- Working with TRB Committee on new research cycle
 - Virtual workshop coming later this spring
- New TAM Portal and Research Management System coming soon!



Asset Management

Get involved!

- Bi-monthly TAM Webinar Series (in cooperation with FHWA)
 - Next will be April 21st (Topic TBD)
 - <https://www.tam-portal.com/event/>
- 13th National TAM Conference
 - Virtual – August 2021
 - We'll be in Boston in 2023
 - <https://trb.secure-platform.com/a/page/assetmanagement2021>



Organizational Management

Mission

- Help agencies achieve organizational excellence and advance the practice of performance excellence by identifying, analyzing and sharing information to improve organizational performance at the strategic, tactical and operational levels of the organization.

Goals

- Assist agencies to achieve strategic goals and improve performance in the most effective and efficient way.
- Examine and share effective organizational models, leadership structures and competencies used to monitor, respond to and implement organizational improvement.
- Provide agencies with best practices in the application of process/quality improvement tools and methodologies



Organizational Management

Meetings: 3rd Tuesday monthly, 11am – 12:30 pm Central

Co-Chairs: Deanna Belden, MnDOT; Charlie Purcell, Iowa DOT

Secretary: Stacey Houston, Iowa DOT

AASHTO Liaison: Matt Hardy

FHWA Liaison: Jennifer Brown

Strategic partnership with TRB AJE15 Workforce Development &
Organizational Excellence Committee

Chair: Victoria Beale, Ohio DOT



Organizational Management

Activity 1 – Process Improvement, Gary Vansuch, Colorado DOT

- The Transportation Lean Forum (TLF) is entering its ninth year and continues to have webinars and host the "Lean Interchange" website
- Latest TLF webinar was held as part of the TRB Annual Meeting
 - Lectern Session 1088 – Transportation Lean Forum (TLF) Community of Practice
 - Monday, January 25, 2021, 1:00 PM- 2:30 PM ET
 - Gary Vansuch, Colorado Department of Transportation, presiding



Organizational Management

Activity 2 – Non-system Performance Measures, Deanna Belden, Minnesota DOT

- AJE15 TRB workshop – Advancing Organizational Excellence: Putting the Blocks together!
 - Workshop held on Jan 21, 2021
- NCHRP synthesis study on program and project delivery performance measures used for decision making in State DOTs
 - Problem statement submitted on Feb 12, 2021



Organizational Management

Activity 3 - Support the Agency Capability Building (ACB) Portal, Charlie Purcell, Iowa DOT

- Implementation project for NCHRP 20-24(95)A, Ensuring Essential Capability for the Future Transportation Agency
 - Develop and conduct a series webinars to introduce transportation agency users with the resources the ACB Portal provides
 - Conduct pilot projects with up to four State DOTs to demonstrate how the ACB Portal can be used to assist with real-world agency initiatives
 - Application was submitted has been approved!
 - Next step is to form a project panel



Organizational Management

How can you get involved?

- Participate in our monthly subcommittee web conferences. Join in the conversation. Offer your insight and perspectives. Learn from others.
- Attend our annual or mid-year subcommittee meetings, usually held in conjunction with an AAHSTO or TRB conference.
- Assist with or lead one of the subcommittee activities
- E-mail deanna.belden@state.mn.us or charlie.purcell@iowadot.us

Next meeting

- Apr 20, 2021, 11:00-12:30 Central Time



Risk Management

Mission

The focus of this subcommittee is on the development, implementation, and use of tools, methods, and strategies by a state transportation agency in order to take advantage of opportunities and mitigate potential threats.

Goals

1. Serve as the forum to engage subcommittee members on the sharing of ideas and examples of how state transportation agencies are implementing risk management within their organizations.
2. Develop needed guidelines, guidance, training, and educational resources to facilitate the implementation of risk management approaches within a state transportation agency.
3. Research, develop, and disseminate tools and techniques associated with risk management such as risk analysis, vulnerability assessments, etc.

SRM meetings: 2nd Monday of even-numbered months, 1-2 p.m. Eastern

Chair, Jean Wallace, MnDOT;
AASHTO Liaison, Matt Hardy;

Vice-Chair, Nathan Lee, Utah DOT
FHWA Liaison, Daniel Fodera



Risk Management

SRM-sponsored research projects:

- NCHRP 20-123(04), [Strategic Planning Session and Development of a Risk-Management Research Roadmap](#). Status: Literature review drafted; workshop with SRM held in Feb.
- NCHRP 23-09, [Scoping Study to Develop the Basis for a Highway Standard to Conduct an All-Hazards Risk and Resilience Analysis](#). Two workshops scheduled for March 22 and April 12; members of CTSSR, SRM and SAM invited to participate.

Completed projects:

- NCHRP 20-44(02), [Implementation of the AASHTO Guide for Enterprise Risk Management](#). Status: CoP members have joined the SRM membership.



Risk Management

FY21 NCHRP Problem Statements Selected for Funding:

- NCHRP 23-15, [Prioritization of Risks Related to Connected and Automated Vehicles and Emerging Technologies](#) - Status: RFP closes today (March 4).

FY22 NCHRP Research Needs Statements – Please VOTE to support:

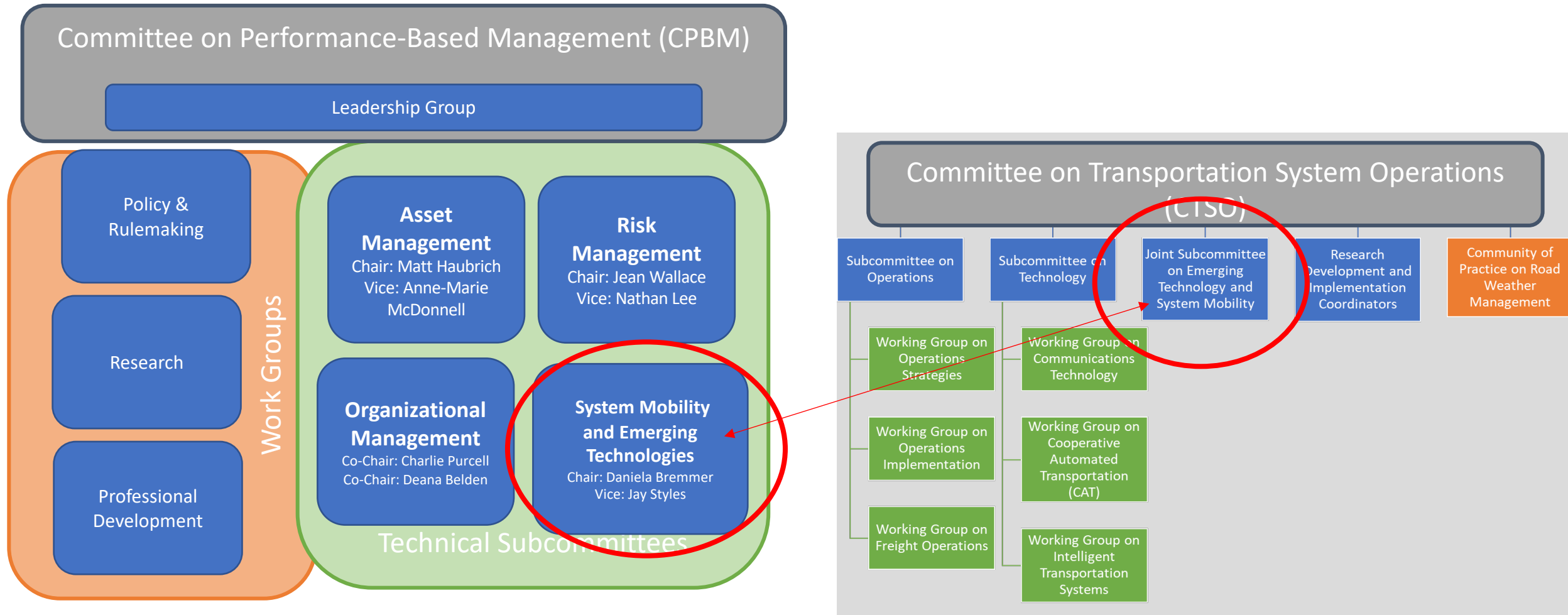
- **A-04** Develop Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level (developed with the Subcommittee on Asset Management)
- **B-03** Building Risk-Management Momentum in Agencies

Upcoming Events

- AASHTO TPM Webinar – The Intersection of Risk and Performance Management, Wednesday, March 17, 2-3:30 pm Eastern
- Next SRM Bi-monthly meeting – Monday, April 12, 1-2 pm Eastern

AASHTO CPBM SRM Website: <https://www.tpm-portal.com/community/cpbm/rm/>

Joint Subcommittee on System Mobility and Emerging Technologies (SMET)

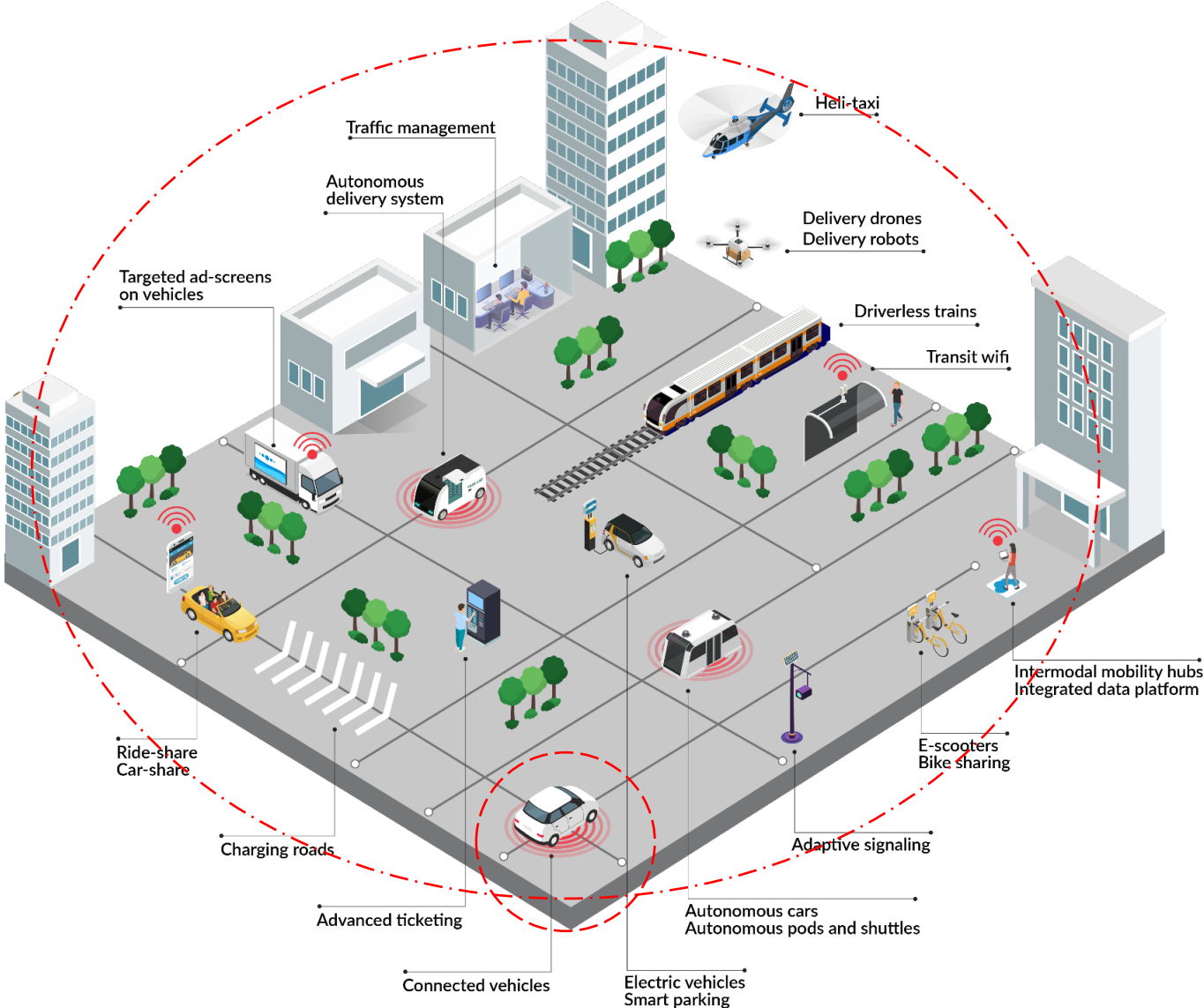


System Mobility and Emerging Technologies (SMET) Overview

- Joint subcommittee of Committee on Transportation System Operations (CTSO) and Committee on Performance-Based Management (CPBM).
 - Collaborative relationship with the Committee on Data Management and Analytics (CDMA)
- Forum to share how state DOTs are managing system operation and system mobility and how performance is impacted due to current and emerging transportation technologies, operational strategies and connected environments
- Explores system and mobility related performance, data and analytical tools, performance communication, reporting approaches, research and related, private sector partnerships
- Examines the impacts of current and emerging system management approaches such as Connected and Automated Vehicle (CAV) technology, Cooperative Automated Transportation (CAT) and Mobility on Demand (MOD) programs.

System Mobility and Emerging Technologies (SMET)

Our Focus:
Understanding
Emerging
Technologies and
System Impacts



Resources

- Website: <https://www.tpm-portal.com/community/cpbm/sm/>
- Covid-19 Related System Impact/Data Projects:
- Survey: State DOT COVID-19 Response: Use of Transportation Data and Information for Decision Makers (<https://www.tpm-portal.com/resource/dot-covid19-data-survey/>)
- Special Webinar Covid-19 Data Accessibility and Free Data Sources
<https://attendee.gotowebinar.com/recording/2019291993716040707>
- NCHRP Project 20-123 Research Proposal: Strategic Planning and Research Roadmap Development: APPROVED! (see next slide)

SMET Strategic Planning and Research Roadmap

NCHRP Project 20-123 Research Proposal Discussion:

Joint Subcommittee on System Mobility and Emerging Technologies (SMET) Strategic Planning and Research Roadmap Development

Funding Program: NCHRP 20-123 (AASHTO Committee Support)

Project Purpose:

Develop a comprehensive strategic approach and action plan to coordinate the activities of the joint subcommittee on system mobility and emerging technologies activities that AASHTO, TRB and FHWA can use to guide their future activities.

Develop a longer-term research strategy to continue to advance the state of practice in system mobility and emerging technologies

Funding Amount: \$225,000

Project Scope:

In light of the AASHTO CPBM and CTSO Strategic and Action Plan it is important that leadership of these two groups come together to conduct a strategic planning session where specific needs (and related strategies and actions) can be discussed and a path forward is developed that identifies needed resources, support, meetings, conferences, and research. The need to do this now is urgent as an overall direction for the joint subcommittee is needed.

The task is more complex due to the nature of joint subcommittees and involves aligning two standing committees and their respective strategic plans and research agendas. In addition, SMET seeks to be a clearing house for similar topics for AASHTO groups and committees to further leverage resources and effort. The results from the strategic planning session will also be used to develop a research roadmap that will identify needed research projects and integrate these research needs into existing research roadmaps already developed by CPBM and CTSO

2021 Action Plan Highlights

- PM3 Workshops with FHWA
- Revisit the COVID-19 data survey
 - Include impacts on system analysis and technology budgets
- Engage with AASHTO Inter-Committee working groups for Emerging Technologies to support cross committee research and work alignments
 - Connected and Automated Vehicles (CAV)
 - Shared Mobility/ Mobility as a Service
 - Drones
 - Electric Vehicles

2021 Action Plan Highlights (cont.)

- Collaborate with National Operations center of Excellence (NOCoE) and TPM Pooled Fund on developing case studies that exemplify the importance and use of system data for decision making beyond the traditional applications
- Continue to hold bi-monthly subcommittee meetings that promote partnering sessions and the exchange of best practices
 - Even months, Third Tuesday at 2:30pm EASTERN
- Reach out to the subcommittee and working groups of both standing committees to identify work plan priorities and opportunities for collaboration and identify partner TRB committees

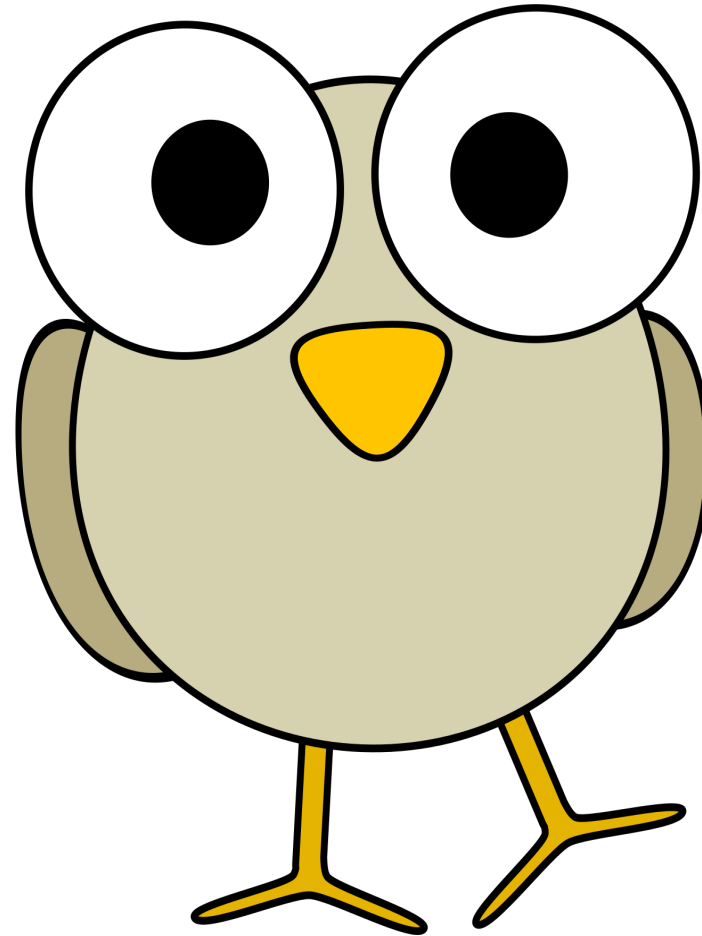
Joint Subcommittee on System Mobility and Emerging Technologies (SMET)

Reach out and join us:

- Chair, Daniela Bremmer (WSDOT) - bremmed@wsdot.wa.gov;
- Vice-chair, Jay Styles (VDOT), jay.styles@vdot.virginia.gov;
- Patrick Zelinski, (AASHTO - CTSO - staff lead), PZelinski@aaashto.org;
- Matt Hardy (AASHTO – CPBM - staff lead), mhardy@aaashto.org
- **Bi-Monthly Webinars/Virtual Meetings :**
 - Even Months, third Tuesday at 2:30 pm EASTERN (joint with AASHTO-CTSO)
 - **Next meeting: Tuesday , April 20, 2021, 2:30 EASTERN**
- **Website:**
 - <https://www.tpm-portal.com/community/cpbm/sm/>

Joint Subcommittee on System Mobility and Emerging Technologies (SMET):

- Questions
- Suggestions
- Comments





Policy and Rulemaking



Research

Mission: Provide information related to proposed, ongoing, and completed research in order to keep the AASHTO Committee on Performance Based Management membership updated, and ensure that the research development process aligns with the TAM Research road map

Leadership/Key Roles:

Work Group Chair Tammy Haas, New Mexico DOT

Email: tamarap.haas@state.nm.us

Work Group Vice-Chair, William Johnson, Colorado DOT

Email: will.johnson@state.co.us

Meeting Cycle: 2nd Friday each month, 10 am Eastern

Tasks: Track Research, Coordinate development of Research Needs Statements, provide contact information for Subcommittees of CPBM



Research

FY2022 NCHRP Problem Statements – 2 Submitted

- A-04, Develop Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level (Risk Management: Jean Wallace, Nathan Lee)
- B-03, Building Risk-Management Momentum in Agencies (Risk Management: Jean Wallace, Nathan Lee)

NCHRP Synthesis (submitted by 2/17/21)

- Program and Project Delivery Performance Measures (Organizational Management, Deanna Belden, Charlie Purcell)
- Lessons Learned from Consistency Determination (Asset Management, Matt Haubrich, Anne-Marie McDonald, William Johnson, Todd Shields)



Research

Committee and subcommittee members begin to work with TRB partner committees and others to solicit and generate research project ideas for the following research programs:

Legal Studies (October 1)— <https://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=508>

Domestic Scan (late October)— <http://web.transportation.org/nchrp/20-68A/Default.aspx>

NCHRP (November 1)— <http://www.trb.org/NCHRP/NCHRP.aspx>

Synthesis (mid-February) <http://www.trb.org/SynthesisPrograms/SynthesesNCHRP.aspx>

Implementation (rolling)— <http://www.trb.org/NCHRP/NCHRPIImplementationSupportProgram.aspx>

AASHTO Committee Support (rolling)

See separate document on NCHRP Problem Statement Timeline for 2021.



Research

Near Future Activities

- **Research Workshop – Spy Pond Partners**
 - **Currently refining 115 ideas from the January TRB TAM Implementation Meeting**
- **AASHTO/TRB TAM Conference (August 7-10, 2021)**
 - **Is there interest in finding time for Research Statement Refinement/Development**

Web resources

- **NCHRP Project 08-36(134) Transportation Asset Management Research Roadmap – tam-portal.com/roadmap/**



Professional Development



TPM Pooled Fund Business



Pooled Fund Updates

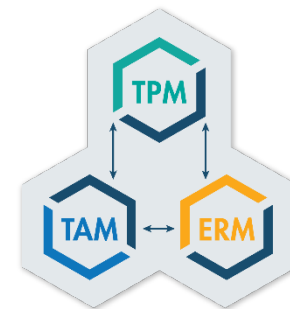
- Updated TAM Online Training is now available on the AASHTO Store at: <https://store.transportation.org/> and the TPM Portal Training Hub at: <https://www.tpm-portal.com/training-hub/>
- Upcoming TPM Webinar: *The Intersection of Risk and Performance Management*. Sign up at: <https://www.tpm-portal.com/tpm-webinars/>
- Second edition of the TPM Newsletter featuring Transportation Asset Management topics will be published soon – watch for it in your inbox!

AASHTO Transportation Management Hub

**Building a better web platform for the TPM Pooled Fund
and AASHTO CPBM**

Perry Lubin, Spy Pond Partners LLC
plubin@spypondpartners.com





1. Introduction and Background

- Background on legacy sites
- Objectives for updated sites

2. Site Demo – <https://www.transportationmanagement.us/tpm/>

- Homepage and highlights



AASHTO TRANSPORTATION PERFORMANCE MANAGEMENT PORTAL

Developed through the Transportation Pooled Fund Program



The AASHTO TPM Portal helps to showcase best practices, foster collaboration, and serve as a repository for TPM resources.

[AASHTO Transportation Management Hub](#)

[AASHTO TAM Portal](#)

[AASHTO ERM Portal](#)

Just released: The new [MODAT Investment Decision-Making Tool](#) is now available. [Learn more...](#)

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AASHTO TPM Portal

The AASHTO TPM Portal helps to showcase best practices, foster collaboration, and serve as a repository for TPM resources. See the [FHWA TPM website](#) for federal requirements.

News and Announcements

New TPM Calendar Page

The TPM Calendar page features important dates and deadlines pertaining to TPM target setting and performance reporting requirements.... [Read more](#)

Updated TPM Benchmarking Tool Now Available

The benchmarking platform has been updated with new functionality intended to support both independent benchmarking and benchmarking network users.... [Read more](#)

Conference on Performance and Data in Transportation Decision Making

TRB is sponsoring the Conference on Performance and Data in Transportation Decision Making on September 15-18, 2019 in Atlanta, Georgia. Register today... [Read more](#)

Featured Video

TPM Now! Episode 5



[More videos...](#)

Featured Resources



Information

There are multiple ways that a seeker of information can find TAM knowledge today.

[VIEW MORE INFO](#)

[LEARN ABOUT TAM](#)



[The AASHTO TAM Guide is now live! TAMGuide.com](#)



TAM Documents

A searchable database of documents with curated resources indexed by TAM business processes, asset



TAM Events

Listings for conferences, meetings, webinars, peer exchanges and other events of interest to the



TAM Tools

New and well-established tools for making transportation asset management simpler, easier, and



TAM Roadmap

A new area of the site, with information on what's new and what's next for the transportation

- [AASHTO Transportation Management](#) ▾
- [Transportation Management Home](#)
- [AASHTO TPM Portal](#)
- [AASHTO TAM Portal](#)
- [AASHTO ERM Portal](#)

[Workshop](#)

[Library](#)

[Roadmap Report](#)



Transp Portals

AASHTO Transportation Management Hub

The Transportation Management Hub provides a central location for all transportation management products. The AASHTO Transportation Management Hub includes the AASHTO Transportation Management Portal, the AASHTO Transportation Management Portal, and the AASHTO Transportation Management Portal.

AASHTO Transportation Management Portal

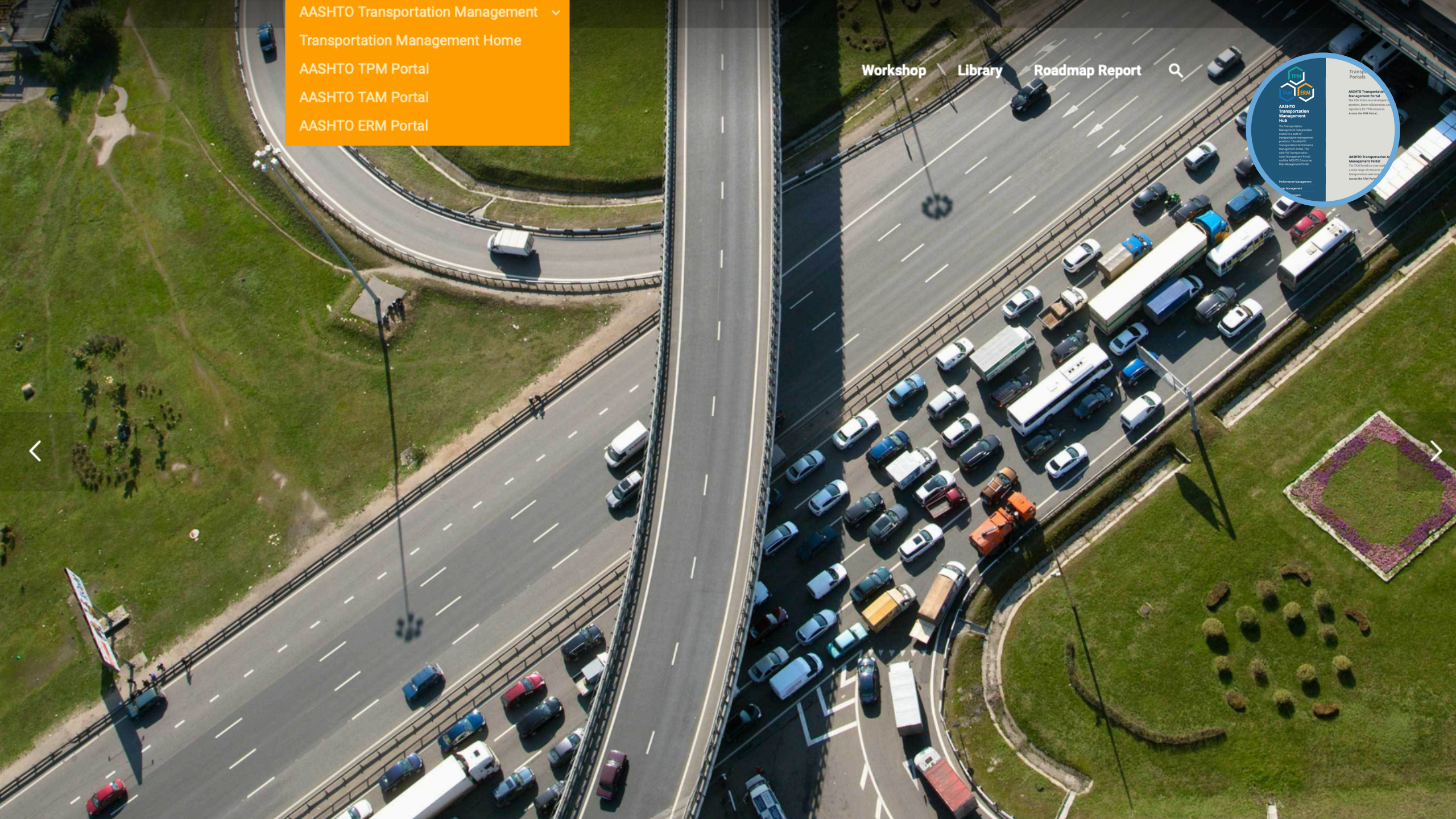
The TPM Portal is a web-based application that provides a central location for all transportation management products. The TPM Portal is a web-based application that provides a central location for all transportation management products.

AASHTO Transportation Management Portal

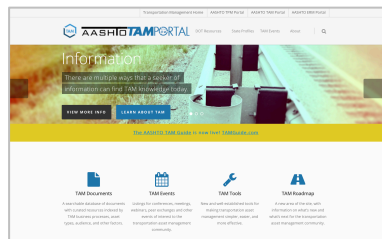
The TAM Portal is a web-based application that provides a central location for all transportation management products. The TAM Portal is a web-based application that provides a central location for all transportation management products.

AASHTO Transportation Management Portal

The ERM Portal is a web-based application that provides a central location for all transportation management products. The ERM Portal is a web-based application that provides a central location for all transportation management products.

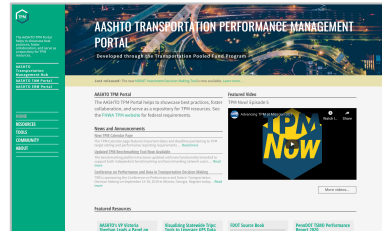


AASHTO Transportation Management Hub Legacy Web Sites



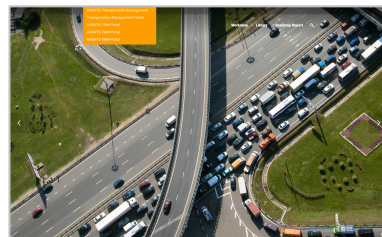
Transportation Asset Management Portal

- NCHRP Project 08-36(125) / 2013-2018
- Collect and organize “the body of TAM knowledge” into a web-based portal



Transportation Performance Management Portal

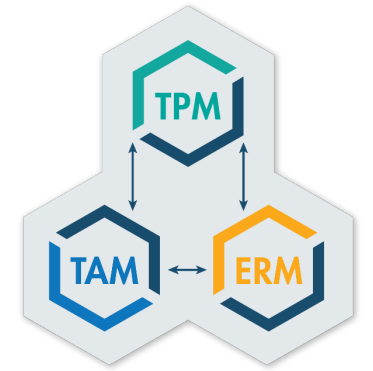
- NCHRP Project 20-24(97) / 2014-2015
- Develop a TPM research roadmap to inform future research and development activities



Enterprise Risk Management Portal

- NCHRP Project 20-24(105) / 2015-2016
- Workshop and roadmap for ERM training, tools, and guidance materials

Goals of Restructuring



■ Improve Usability and Timeliness

- **Structure:** Templated and modular
- **Design:** Consistent layout and user experience

■ Strengthen Connection and Integration

- **Within sites:** Connect related resources, special collections
- **Across sites:** Allow users to browse across TPM, TAM, and more

■ Support User Communities

- **Tools for leadership:** Committee/subcommittee user management and content (document) management
- **Tools for users:** Topic libraries, community collections

Site Tour – Highlights



- **Improve Usability and Timeliness**

- **Highlight:** TPM Webinars

<https://www.transportationmanagement.us/tpm/collections/tpm-webinars/>

- **Strengthen Connection and Integration**

- **Highlight:** Long-Range Transportation Plan Library

<https://www.transportationmanagement.us/tpm/collections/lrtp/>

- **Support User Communities**

- **Highlight:** CPBM Subcommittee Pages

<https://www.transportationmanagement.us/tpm/community/cpbm-om/>



Review Action Items



Wrap Up

- We hope you will join us for our next joint CPBM/TPM Pooled Fund Quarterly web call on Thursday, June 3, 2021 at 2:00 PM Eastern Time.
- Notes and materials from this meeting will be sent to all invitees. They will also be posted on the CPBM landing page and TPM Pooled Fund Members Only page on the TPM Portal.
- Visit the TPM Portal for tools and resources, including links to the TPM Training Hub, TPM Webinar Series slides and recorded session, videos, state performance-based plans, and much more content for the TPM Community!