

# AASHTO CPBM/TPM Pooled Fund Joint Quarterly Meeting Notes

## December 3, 2020, 2:00 PM – 4:00 PM EST

- **Welcome and Agenda.** CPBM Chair Tim Henkel welcomed attendees to the Joint American Association of State and Highway Transportation Officials (AASHTO) Committee on Performance-Based Management (CPBM) and Transportation Performance Management (TPM) Pooled Fund quarterly meeting. He shared the purpose of the quarterly web calls is to share AASHTO and CPBM Committee information and updates with CPBM members and TPM Pooled Fund Members and to get input on TPM needs. He reminded attendees that links to the notes and slides from today's web call will be posted on the TPM Pooled Fund Web Portal at [tpm-portal.com](http://tpm-portal.com).
- **Federal Highway Administration (FHWA) Update.** Susanna Reck provided a TPM capacity-building update.
  - An attendee asked whether FHWA will publish Highway Safety Improvement Program (HSIP) updates. Susanna responded that she will follow up with the FHWA Safety Office and provide a definitive response. *Update: Safety targets will be posted and improvement plans for states not making significant progress will not be posted.*
  - All 52 States, including Puerto Rico and the District of Columbia, have submitted their biennial performance report. FHWA will be making formal announcements through Division Offices on significant progress determinations from December 2020 through mid-January 2021.
  - FHWA recognizes states that did not make significant progress may be setting ambitious targets and demonstrating strong practices. Simply looking at the numbers of states that did or did not make significant progress does not tell the whole story.
  - The FHWA TPM team kicked off several studies this past year:
    - **Leading Indicators Study:** This project supports transportation organizations in identifying, analyzing, communicating and deploying leading and lagging indicators to monitor and adjust national transportation performance targets. *Status:* The technical panel has been organized and the first of six panel meeting via a webinar platform will take place on December 9, 2020. Note that the Leading Indicators team is using a webinar platform for its technical panel meetings, which are only open to panel members. Please contact Nelson Hoffman for more information.
    - **MPO Study:** This project is collecting and evaluating MPO target information to learn how FHWA can better assist States and MPOs. FHWA is collecting information from their field offices early next year and coordinating with the Office of Planning on a related PBPP evaluation study. *Status:* A survey will be finalized in January 2021 with an internal

release following shortly thereafter. Please contact Nelson Hoffman for more information.

- **edX Pilot.** edX is a provider of online education, intended to meet supplemental training needs via the edX platform.
  - Courses are available to the TPM Community in subject areas such as data science and statistics; computer science; business and management; economics and finance; and more. See the slides for a complete listing of the training courses offered to the TPM Community.
  - edX provides supplementary training to fill gaps in existing in-person and web-based National Highway Institute (NHI) training.
  - The training offerings have been selected to help participants apply new skills within the context of TPM.
  - It utilizes currently available courses developed by world-renowned educational institutions.
  - The pilot allows participants to complete courses with a verification provided by edX, to receive needed training at no cost to them, and to earn a professional certificate by completing specific course groups.
  - Note that a code is required to receive credit for the edX courses. Please email [edxpilot@dot.gov](mailto:edxpilot@dot.gov) for information and a registration code.
- **Text Analytics Study.** FHWA is in the early phases of this study. The results will provide FHWA with a strong basis for possible future implementation of the text analytics method to assess national progress in addressing TPM requirements and the patterns of impacts associated with the TPM requirements. Please contact Vicky Miller for more information.
- **Asset Management Case Studies.** FHWA has a number of activities taking place to advance asset management practices (please see the slides for more information). These include:
  - [Case Study 1 - Asset Management Practices and Benefits](#)
  - [Case Study 2 - Linking Asset Management to Planning and Programming](#)
  - [Case Study 3 - Life Cycle Planning Practices](#)
  - [Case Study 5 - Financial Planning and Investment Strategies](#)
  - [Case Study 6 - Communicating Asset Management Strategies](#)
  - [Case Study 7 - Managing Assets Beyond Pavements and Bridges](#)
- **Pavement Management quarterly webinar.** FHWA is continuing to hold the popular Pavement Management quarterly webinar series. The next webinar is scheduled for December 3, 2020 at 2:00 pm Eastern. The webinar will provide an overview of *NCHRP 501: Pavement Management Systems* and presentations from state and local agencies on related perspectives. FHWA is planning to host

data equipment certification demonstration workshops in fall 2021 to assist states in improving data collection practices and quality.

- **NHI Pavement Management course.** FHWA has initiated efforts to update the NHI Pavement Management course and the 2010 Pavement Management Roadmap. Both efforts are scheduled to be complete in late 2021.
- **AASHTO Update.** Matt Hardy provided an AASHTO update.
  - **TPM Technical Services Program.** Matt discussed establishing a TPM Technical Services Program (TSP) to continue the work of the Pooled Fund once the Pooled Fund is complete. He hopes to have this available for the next round of sign-ups in July 2021.
  - **Providing input to House T&I committee.** Conversations are ongoing.
- **Feature Presentation 1: NCHRP 08-113, Integrating Effective Transportation Performance, Risk and Asset Management Practices.** Mara Campbell, Jacobs.
  - Mara described the objectives of the research are to provide agencies with practical guidance, recommendations and implementation practices for:
    - Integrating performance, risk, and asset management into transportation agencies,
    - Identifying, evaluating, and selecting appropriate management frameworks, and
    - Recruiting, training, and retaining human capital to support these integrated management functions.
  - Mara also described the objectives of the project webinars to assess the literature review results and obtain information on five key elements to support integration:
    - **Approaches:** Close to 60 percent of representatives' agencies had established *asset management and performance management* programs, while about 10 percent had established *asset management and risk-based asset management* programs.
    - **Data:** Over 80 percent of representatives indicated their agencies had access to *asset replacement cost data*. 100 percent had asset condition data and found it reliable but the vote was less than 50 percent for *data visualization tools*.
    - **Skills:** Approximately 63 percent of representatives selected personnel and skills as the most significant capacity-building need affecting their organization's ability to carry out its mission effectively. The highest percentage of votes (approximately 90 percent) was for training needed to encourage integration of asset, performance and risk management capacity-building for *evaluation methods* for the three areas; *using data and forecasting to inform planning and projects* received the second highest percentage of votes (approximately 80 percent).
    - **Policy:** The top three biggest policy barriers that might impede efforts to integrate asset, performance, or risk management practices are



- **Executive handbook.** A short handbook with summary information
    - **Implementation networks.** Peer-to-peer discussions about implementing strategies that integrate feedback into the TPM process. Anna described strategy-based, context-based, and other options.
  - During the Q&A, Anna explained that the findings of the study apply at the local, regional, state and national levels. She said the team is open to pursuing a 20-44 implementation study. Tim noted that it is always helpful if the research team develops scopes and proposals for 20-44 studies. Susanna added that future research conducted on behalf of this committee should include a detailed implementation plan – as appropriate to the research being conducted, and funds should be reserved for that purpose.
- **CPBM Business Meeting – CPBM Subcommittee Updates.**
  - **Asset Management Subcommittee update.** Matt Haubrich, Chair, provided an overview of the subcommittee and invited attendees to participate in monthly calls with the TRB Asset Management committee. He also invited attendees to visit the AASHTO TAM Portal at <https://www.tam-portal.com>
    - Recent milestones include:
      - Approval of the 3rd edition of the TAM Guide, which can be accessed at <https://www.tamguide.com>
      - The recent completion of NCHRP Report 921: *Case Studies in Cross-Asset, Multi-objective Resource Allocation* and the MODAT tool for trade-off analysis (<https://multiobjective.org>)
      - NCHRP Synthesis 556: *Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events*
    - Next monthly meeting is December 9, 2020. Visit <https://www.tam-portal.com/> to register.
    - The next TAM webinar is on December 16<sup>th</sup> addressing *Re-Evaluating TAM Targets*. Visit <https://www.tam-portal.com/event> to register.
    - The 13<sup>th</sup> National TAM Conference is August 2021.
  - **Subcommittee on Organizational Management Update.** Charlie Purcell, Co-Chair, provided an update from the OM subcommittee.
    - The subcommittee is partnering with TRB AJE15 on activities.
    - Charlie shared the subcommittee’s charter mission and goals. He provided an update on his work plan activities related to process improvement and the Transportation Lean Forum, Non-System Performance Measures, and Support for the Agency Capability Building (ACB) Portal with a forthcoming committee support project.
    - Charlie invited attendees to participate in monthly subcommittee web conferences. And attend annual or mid-year subcommittee meetings, usually held in conjunction with an AAHSTO or TRB conference.
    - Those wishing to assist with or lead one of the subcommittee activities should e-mail Deanna or Charlie.

- The next subcommittee meeting is Dec 14, 2020, 11:00-12:30 Central Time.
  - **Subcommittee on Risk Management Update.** Jean Wallace, Co-Chair, provided an update from the RM subcommittee.
    - Jean explained the subcommittee's 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.
    - Jean highlighted SRM-sponsored research projects:
      - NCHRP 20-123(04), *Strategic Planning Session and Development of a Risk-Management Research Roadmap*. Status: The literature review has been drafted.
      - NCHRP 23-09, *Scoping Study to Develop the Basis for a Highway Standard to Conduct an All-Hazards Risk and Resilience Analysis*. Status: The contract has been executed and the kickoff meeting was held on 11/18/20.
    - Jean provided an update on an ongoing project:
      - NCHRP 20-44(02), *Implementation of the AASHTO Guide for Enterprise Risk Management*. Status: CoP members have been formally invited to join the SRM. Project completion is expected by the end of 2020.
    - Jean listed an NCHRP Problem Statement Selected for FY21 Funding:
      - NCHRP 23-15, *Prioritization of Risks Related to Connected and Automated Vehicles and Emerging Technologies*. Status: Selection of panel members is underway and the kickoff has been scheduled.
    - Jean described two FY2022 NCHRP research needs statements that have been submitted:
      - Develop Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level (developed with the Subcommittee on Asset Management), and
      - Building Risk-Management Momentum in Agencies.
    - Subcommittee meetings are the 2<sup>nd</sup> Monday of even-numbered months, from 1-2 p.m. Eastern Time.
  - **Subcommittee on System Mobility and Emerging Technology Update.** Daniela Bremmer and Jay Styles provided an update on the subcommittee.
    - Daniela and Jay provided information about the subcommittee's structure and focus on serving as a forum to share how DOTs are managing system operation and mobility, exploring performance, data, analytical tools, communication, reporting, research and partnerships. The subcommittee is also examining current and emerging system management approaches.

- Jay summarized highlights of recent accomplishments:
      - COVID-19 Impact Survey: This survey requested feedback from each state agency on mobility performance data requests received to help answer “social distancing” and “shelter in place” policy effectiveness questions. The subcommittee is considering revisiting the COVID-19 data survey in 2021.
      - COVID-19 Data Accessibility - Free Data Sources Webinar: The April 2020 webinar featured INRIX, and the University of Maryland. Google and provided information on free data sources related to COVID-19 analysis.
    - Daniela described subcommittee partnerships and highlighted the new website: <https://www.tpm-portal.com/community/cpbm/sm/>
    - Daniela discussed the NCHRP Project 20-123 Research Proposal: *Joint Subcommittee on System Mobility and Emerging Technologies (SMET) Strategic Planning and Research Roadmap Development*.
    - Daniela described activities planned for the coming year and invited attendees to join Bi-Monthly Webinars/Virtual Meetings, which are scheduled for even months, on the third Tuesday at 11:30 am Pacific (joint with AASHTO-CTSO). The next meeting is Tuesday , December 15<sup>th</sup>, 11:30 AM Pacific Time.
  - **Policy and Rulemaking Work Group.** Paul Degges, Co-Chair, provided an update on the work group. He indicated that there is nothing to report at this time. He will report on further developments as they arise.
  - **Research Work Group.** Tammy Haas, Co-Chair, provided an update. The committee works with membership to identify research needs, provide updates on ongoing research and identify ways to implement research.
    - The Research Work Group needs help with tracking ongoing research in order to provide updates as well as ideas on how to better implement research. Research is funding via NCHRP Programs for Problem Statements, Domestic Scans, Synthesis and Implementation.
    - The Research Work Group also needs a CPBM point of contact for each ongoing NCHRP projects
- **TPM Pooled Fund Business.** Matt Hardy provided the TPM Pooled Fund update, focusing on 2020 achievements.
  - Matt highlighted the TPM Portal at <https://www.tpm-portal.com>
    - The portal is the primary way to find out what’s happening. Many new TPM capacity-building resources and tools have been added over the past year. Matt described how information on other resources he discussed are available from the TPM Portal, including:
      - Videos
      - Resources
      - Tools
      - Subcommittee pages

- In addition to the portal, the TPM Pooled Fund communicates with members via several other channels:
  - New TPM Newsletter, which is a collaborative effort between CPBM Leadership, the Professional Development Work Group led by John Selmer and the TPM Pooled Fund. We recently published our first edition, focused on Covid-19 and TPM impacts, in addition to other TPM community updates.
  - Quarterly web calls. This year, our featured topics included: the results of the Fall 2019 TPM Peer Exchange, TPM Visualization, MODA Training and the TPM Training Hub, the TPM Training Roadmap, and TPM implementation.
- In 2020, the pooled fund also focused on developing and disseminating existing TPM training via the TPM training hub on the TPM Portal. It includes all currently available TPM training (in-person and web-based) from NHI, other FHWA, AASHTO, TRB, agency-hosted and other sources. The training hub includes access to the registration for the NEW Multi-Objective Decision Analysis (MODA) training, which is part of the NEW TPM Training Category on the AASHTO Store. I encourage you to take part in this online course. This training is part of a comprehensive TPM Training Roadmap, so look for more training offerings, including an update to the TAM Training Course, which will be launched soon!!
- The TPM Pooled Fund also launched a bi-monthly TPM Webinar Series this year, based on a longstanding TAM Webinar Series. Since May 2020 we have covered TPM Best Practices, TPM and Target Setting Overview, TPM Communications, and System Performance Management – Focus on Accessibility. The TPM Pooled Fund conducted a TPM miniseries of 5 webinars July-August 2020 to share noteworthy practices and progress in TPM target setting. This miniseries was a great success with almost 1,400 attendees.
- **Action Items.** Lori Richter from Spy Pond Partners reviewed the meeting action items:
  - Contact Nelson Hoffman for more information about the FHWA Leading Indicators and MPO studies.
  - Contact Vicki Miller for more information about the Text Analytics Study.
  - Find out more about the edX Pilot and receive a registration code via [edxpilot@dot.gov](mailto:edxpilot@dot.gov).
  - Contact subcommittee and work group chairs to get involved in CPBM activities and meetings.
  - Sign up for the next TAM webinar on December 16<sup>th</sup> addressing *Re-Evaluating TAM Targets* at <https://www.tam-portal.com/event>.
  - Sign up for the 13<sup>th</sup> Annual TAM Conference at <http://www.trb.org/Calendar/Blurbs/178208.aspx>.
  - Sign up for the TRB Virtual Annual Meeting at <http://www.trb.org/Calendar/Blurbs/179047.aspx> – several meetings and workshops mentioned in this meeting will be taking place. See the slides for more information.



- The Research Work Group is looking for points of contact for each ongoing NCHRP Study. They also generally need assistance with work group activities.
- **Wrap Up.** Matt Hardy thanked attendees and presenters and wrapped up the meeting.