

**TMC Pooled Fund Study
Quarterly Meeting**

Wednesday September 1, 2021
1:00 – 3:00 PM ET

Attendees

PFS Members Present		FHWA Liaison
<ol style="list-style-type: none"> 1. Alabama DOT <ul style="list-style-type: none"> • Brett Sellers 2. California DOT <ul style="list-style-type: none"> • Sri Balasubramanian • Kien Le • Taranjit Sandhu 3. Florida DOT <ul style="list-style-type: none"> • Fred Heery • James Landini 4. Kansas DOT <ul style="list-style-type: none"> • Shari Hilliard 5. Maryland DOT <ul style="list-style-type: none"> • Jason Dicembre • Rashad Rice 6. Michigan DOT <ul style="list-style-type: none"> • Jason Bodell • Suzette Peplinski 7. Minnesota DOT <ul style="list-style-type: none"> • John McClellan 8. Missouri DOT <ul style="list-style-type: none"> • Katy Harlan • Alex Wassman 9. Nevada DOT <ul style="list-style-type: none"> • LaShonn Ford • Sonia Jacinto Acosta 	<ol style="list-style-type: none"> 10. New Jersey DOT <ul style="list-style-type: none"> • Mike Juliano 11. New York DOT <ul style="list-style-type: none"> • John Bassett 12. North Carolina DOT <ul style="list-style-type: none"> • Dominic Ciaramitaro 13. Ohio DOT <ul style="list-style-type: none"> • Dominic DelCol 14. Pennsylvania DOT <ul style="list-style-type: none"> • David Gaffney • Ryan McNary 15. Texas DOT <ul style="list-style-type: none"> • David McDonald 16. Utah DOT <ul style="list-style-type: none"> • Corey Coulam • John Leonard • Taylor Bullough 17. Virginia DOT <ul style="list-style-type: none"> • Ali Farhangi • Katie McCann 18. Wisconsin DOT <ul style="list-style-type: none"> • Stacey Pierce 	<p>Jon Obenberger</p>
		Noblis Support
		<p>Cheryl Lowrance Kathy Thompson</p>

*PFS Member States not represented: Illinois, Indiana, Iowa, Tennessee, Washington

Update on Current TMC PFS Projects (Alex Wassman)

Alex provided an update on the status of current projects (below). Members can reference the quarterly progress report for more details for each project.

1. Analysis of TMC Staffing and Contracts

○ Draft technical report submitted 3/29/21, comments sent 6/16/21; revised report in September.

2. Applying Predictive Analytics into Real-time TMS Operation

○ Draft literature review submitted 2/8/21, comments sent March 2021, draft anticipated in September.

○ Draft annotated outline for report submitted 2/8/21, with revised draft expected in September.

3. TMS Asset Management Planning and Life Cycle Cost Analysis

- Final letter report synthesizing practice submitted 1/30/21.
 - Comments submitted on draft annotated outline in July. Revised outline anticipated in September.
4. **Inventory, Document & Configure TMS Assets (FHWA Joint Funded)**
- Comments submitted on revised report outline in July, final outline anticipated in September.
 - Final synthesis submitted 4/26/21, updated version anticipated in September.

The PFS co-chairs would like to see others engage and serve as project champions and reviewers to lighten the load for all members.

ACTION: PFS members to email Jon, Cheryl and Kathy if:

- 1) they would like to serve as a champion for any current or proposed new projects.
- 2) they have individuals from agencies willing to serve as technical reviewers for any new project.

*Post-meeting Update: Suzette Peplinski (MDOT) volunteered to serve as champion for the new project “Planning and Plans to Guide the Strategic Direction of TMSs and Future Investments“.

Update on Other TMC PFS Activities (Jon Obenberger)

- The TMC PFS end date will be extended this fall from April 2022 to April 2027. If members would like to see documentation to support this extension for consideration for continuing to participate in the PFS, they can reach out to Jon. If agencies advance requests internally for funding for 2021 or 2022, it is important to include in these requests that the TMC PFS is not ending in 2022 but will be extended to 2027.
- Planning is ongoing for the 2022 Annual Meeting, scheduled to occur May 3-5, 2022 in Columbus, Ohio. RSVPs and accommodations to be arranged beginning in early 2022. Additional information to be discussed at the December meeting. The meeting will be held at the Ohio DOT facilities and we appreciate them hosting the meeting.
- Updates continue to be made to the TMS Portal on the NOCoE website. The highlights of the work plan of activities for the upcoming year included adding new resource documents in the last few months, developing outreach material to support agencies promoting the site, and scheduling webinars to support the use of information on the site.
- Changes made to draft of the TMC PFS dashboard were reviewed. The next iteration of the dashboard will include more data for all the TMC PFS activities, use of the TMC PFS website, and the TMS Portal on the NOCoE website.

ACTION: Members were requested to review the updated dashboard and send comments on changes, review comments or additional information or data to add to Jon.

Review and Select New Emerging Topics (1 or 2) for 2021 Project - Sharing Information and Practices on Traffic Management Systems (TMS) Emerging Topics (Jon Obenberger)

The TMC PFS members selected topic 1 to be advanced for this project at the June meeting. **Topic 1** involves the use of technology to locate incidents outside of the current TMC surveillance area of coverage (selected during the last meeting).

The members discussed and considered **topic 2** which involves using geofenced interactive voice response (IVR) system to actively monitor, collect and share information with travelers via a highway advisory radio. PennDOT uses a virtual highway advisory radio, where an operator can

click a location on a map, type in a message would be given from the HAR, and have a message go out to users through resources associated with their 511 (e.g., website, push notification). This allows tailored information to be distributed based on motorist requests without relying detection and surveillance to detect conditions. VDOT has an active procurement to do something similar.

The members supported this topic and confirmed it as at topic #2.

Other topics members brought up to consider for future topics:

- PennDOT: would like to see something to capture innovative practices related to the active management and use of different operational strategies (e.g., VSL, ramp metering). Pittsburgh is doing its first ATM with ramp meters, VSL, and tunnel-lane control.
- VDOT: An internal incident command application that ties all information together across the state in real time for virtual operation statewide.
- NVDOT: using AVL data and first responders to pre-empt lane control signs to better help emergency response vehicles navigate traffic upstream of an incident (e.g. close a lane for emergency responder). Nevada DOT, PennDOT and NYSDOT to share any information they have on this (related to incident response or weather events) with Jon and Cheryl.

ACTION: Information will be collected, synthesized, and power point slides prepared to work with the above agencies to prepare a few slides for these topics in advance of the next meeting.

Review and Discussion on Proposed New Projects to Consider in 2022 (Jon Obenberger)

The current list of potential project ideas for 2022 was sent out to the PFS members on 8/24. This list included the project ideas which were identified in 2020 but not selected to advance in 2021. One-page proposals for these topic ideas will be developed and submitted to members by the end of September for review and comment. During the December meeting, members will vote on the projects whose concepts they want to see further developed into 2-page proposals.

ACTION: Members were requested to suggest any additional new project ideas they may have related to the four areas below over the coming months.

- A. Assessing & Reporting on TMS Capabilities & Performance
- B. Planning, Designing, Procuring, & Developing TMSs
- C. Managing & Operating TMSs
- D. TMS Staffing, Support Resources & Capacity Building

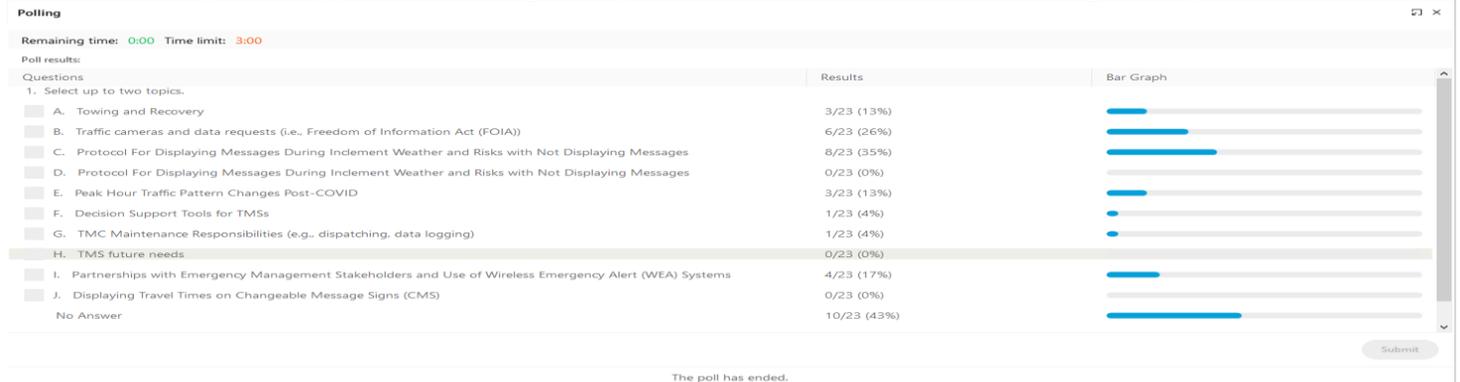
TMC PFS Virtual Technical Exchange (Jon Obenberger)

During the last quarterly meeting, it was suggested the TMC PFS provide a regular forum (e.g. quarterly) for members to freely exchange information on a technical topic of interest, in a venue (e.g., video meeting) attended only by members. Possible topics members identified included:

1. Traffic cameras and data requests (i.e., Freedom of Information Act (FOIA))
2. Protocol for displaying messages on dynamic messages associated with weather events
3. Peak hour traffic pattern changes Post-COVID
4. Decision support tools for TMSs
5. Responsibilities for maintenance (e.g., dispatching, data logging, data management, procuring and managing services) tasks or services for TMSs
6. Needs for future enhancements or the next generation of an agencies TMS

7. Partnerships with emergency responders and service providers on use of wireless emergency alert (WEA) systems
8. Displaying travel times on changeable message signs (CMS)
9. Towing and recovery services

The group voted on the above list of topics to determine what would be the topic of the first virtual exchange meeting (results below). The PFS will address the topic about displaying messages on CMSs associated with weather events and travel conditions for the first virtual exchange to be held on November 3, 2021. John McClellan (MnDOT) will be the champion for this topic and will work with reviewing the material developed to support introducing the topic and the discussion to occur during this topic.



ACTION: A save the date for this first virtual exchange will be sent; work will be initiated to prepare information for this discussion.

Review Agenda for Upcoming TMC PFS Meetings (Jon Obenberger)

Below is the tentative agenda for the next quarterly meeting (planned for December 1, 2021):

- Introductions and Review of Agenda
- Update on Current TMC PFS Projects
- Update on Current TMC PFS Activities
- Review updates to the TMC PFS Dashboard
- Provide Feedback and Prioritize Topics for Further Concept Development - New 2022 Projects
- Finalize Agenda and Review Logistics for May Annual In-person Meeting
- Select Topics for Upcoming Virtual Technical Exchanges
- Select Topics for *Emerging Topics* Project
- Review Agendas for Upcoming TMC PFS Meetings (March and May)

The members discussed the focus of the March and June 2022 TMS PFS meetings and the option of these meetings allowing members to provide updates on their activities over the past year. Where the updates at these meetings would be similar to what was done last year during the December and March meetings. The group agreed to allocate these two meetings to allow each member to provide an update on their activities. Information will be presented (e.g., template for presentations, schedule to develop content) and discussed during the December meeting.

Other updates: A new PFS is being formed for Safety Service Patrols. All TMC PFS members are welcome. More information is available at: <https://www.pooledfund.org/Details/Solicitation/1559>