



Midwest Bridge Preservation Partnership

Agenda – Monthly Teleconference

Tuesday, December 6, 2022

Business Meeting: 12:30 pm – 1:00 pm Central

Technical Session 1:00 – 2:00 pm Central

12:30 pm – Business Meeting.

1. 2022 – 2023 Officers / Directors

Officers			
Name	Organization	Role	Email
Sarah Wilson	Illinois DOT	Chair (State Rep)	sarah.wilson@illinois.gov
Jason DeRuyver	Michigan DOT	Vice-Chair (State Rep)	DeRuyverJ@michigan.gov
Drew Storey	Clark Dietz	Vice-Chair (Industry)	Drew.Storey@clarkdeitz.com
Mike Brokaw	Ohio DOT	Secretary / Treasurer (State Rep)	mbrokaw@dot.ohio.gov
Directors			
Name	Organization	Representation	Email
Jason DeRuyver	Michigan DOT	State Agency Director	DeRuyverJ@michigan.gov
Joe Stanisiz	Iowa DOT	State Agency Director	Joseph.Stanisiz@iowadot.us
Katrina Davidson	South Dakota, DOT	State Agency Director	Katrina.Davidson@state.sd.us
Mike Brokaw	Ohio DOT	State Agency Director	mbrokaw@dot.ohio.gov
Sarah Wilson	Illinois DOT	State Agency Director	sarah.wilson@illinois.gov
Patrick Conner	Indiana LTAP (Purdue)	Local Agency Director	connerp@purdue.edu
Glenn Washer	University of Missouri – Columbia	Academic Director	washerg@missouri.edu
Vacant	Vacant	At-Large Director	
Drew Story	Clark Dietz	Industry Director	Drew.Storey@clarkdeitz.com
Nick Graziani	Watson Bowman	Industry Director	nicholas.graziani@watsonbowmanacme.com
Scott Stotlemeyer	FHWA, Missouri Division	FHWA Ex-Officio, Advisory	Scott.Stotlemeyer@dot.gov
Sarah Sondag	Mn DOT	Past Chair Ex-Officio, Advisory	Sarah.sondag@state.mn.us

- a) **Andy Castillo the former At-Large Director is no longer with Emseal. We will need to fill the At-Large Director position.**

2. MWBPP Annual Meeting 2023 Deadwood, South Dakota

- a.) Date: October 17-19, 2023
- b.) **Agenda Planning Committee Monthly Teleconference – 3rd Wednesdays.**
- c.) Membership? Open to all, but...should include all officers, and Agency Directors...
- d.) Timeline for Presentations?

3. Goals for 2023

- a.) Discussion Topics for Teleconferences.
- b.) Active Working Groups – MWBPP Membership
- c.) Peer Exchange Sessions/Panel Sessions

4. 2023 Bridge Maintenance Related Meetings -

- a.) TSP-2 Partnership Meetings
 - i. WBPP, March 14-16, Albuquerque NM
 - ii. SEBPP, April 4-6, Atlanta GA
 - iii. NEBPP, August 22-24, Wilmington DE
- b.) COBS, May 22-25, 2023 – Kansas City, Missouri.
- c.) MaC Meeting, July 2023 Normally Chair & Past Chair attend

5. NCHRP Synthesis Topics

Propose New Topics for the NCHRP Synthesis Program

>>>Submissions Due February 17, 2023>>>

TRB is seeking potential synthesis study topics for the upcoming NCHRP Synthesis Program. Topic statements may be submitted at any time; however, the deadline for the upcoming submission cycle is February 17, 2023.

In the coming year, NCHRP will fund 21 new synthesis topics. Anyone may propose topics.

A synthesis study documents current practice and experience for specific highway topics. The following factors are considered in the selection of new topics.

- The objective of the scope of work is to document current highway practice in state departments of transportation (DOTs);
- The synthesis documents current practice, not *best practice*; it is not a research project or a guidebook;
- The topic addresses an area of practice that is widespread and of general interest to state DOTs; and

- The topic should be timely and critical for expediting delivery, improving the quality, or lowering the cost of highway programs.

1:00 pm – Technical Session.

1. Roll Call
2. Approval of Minutes
 - a.) October 4, 2022
 - b.) October 27, 2022 Annual Business Meeting
3. Emily Sonar Boat - <https://www.emilyrobot.com/>

Presenters –Paige Day (Hydonalix) & Chad Skrocki (MiDOT)

In 2019, the [Michigan Department of Transportation](#) (MDOT) commissioned a study to look at various techniques to monitor bridge scour during high-flow events. Scour occurs when swift water flow from rain or snow melt erodes sediment away from the bridge substructure causing large holes to form, which in turn can cause undermining of footings and exposure of piles. Scouring is a leading cause of bridge failure.

The study was conducted by Ayres Associates, an architectural and engineering services firm based in Eau Claire, Wisconsin, under contract to the MDOT Research Administration. The study examined alternatives for monitoring and mitigating [bridge scour](#), evaluating cost, performance specifications, sensors, data retrieval, processing and post-processing software, and quality.

The study, published in 2019, recommended using a remotely operated, sensor-equipped unmanned surface vessel (USV) to support MDOT's [bridge inspections](#). The study looked at sonars and unmanned surface vehicles, and recommended a combination of the Hydonalix Sonar EMILY (EMergency Integrated Lifesaving lanYard) USV equipped with the Humminbird sonar and SAR Hawk software.

4. TSP2 Updates – Nancy Huether.
5. Next Monthly Meeting
 - a.) January 3rd, 2023 Basak Bektas

Overview of the Scan 20-01 findings and recommendations

Successful Approaches to Utilizing Bridge Management Systems (BMS) for Strategic Decision Making in Asset Management Plans: Explored how agencies effectively integrated BMS data into their transportation asset-management plans (TAMP) to preserve and improve the condition of the assets and the performance of their system.

<https://onlinepubs.trb.org/onlinepubs/nchrp/docs/SCAN20-01.pdf>