



Midwest Bridge Preservation Partnership

Agenda – Monthly Teleconference

Tuesday, January 4, 2022

1:00 – 2:00 PM Central

1. Roll Call – no one spoke up, so web-based roll call used.

NCPP Representatives			Industry Representatives		
Darlene Lane	NCPP	☐	Tim Woolery	Adv. Chem. Tech.	☐
Ed Welch	NCPP	☐	Lorella Angelini	Angelini Consulting	☒
John Hooks	NCPP	☒	Patrick Martens	Br Pres & Insp Svcs	☒
Chris Keegan	NCPP	☒	Allen Scarborough	CMC	☒
State Agency Representatives			Barritt Lovelace	Collins Eng.	☒
Michael Hill	Arkansas DOT	☐	Drew Garceau	Collins Eng.	☒
Sarah Wilson(Secretary)	Illinois DOT	☒	Thomas Collins	Collins Eng.	☐
Adam Post	Indiana DOT	☒	Marc Parker	Collins Eng.	☒
Jennifer Hart	Indiana DOT	☐	Brent Toller	DS Brown	☐
Jeremy Hunter	Indiana DOT	☐	Mark Ericson	ECHEM	☐
Mark Swiderski	Indiana DOT	☐	Ray Breer	ECHEM	☐
Joe Stanisz	Iowa DOT	☒	Andy Castille	EMSEAL	☐
Scott Neubauer	Iowa DOT	☒	Diana Hellman	FujiFilm	☐
Dominique Shannon	Kansas DOT	☒	Jason Fogg	HDR, Inc.	☐
Don Whisler	Kansas DOT	☒	LJ Dickens	HNTB	☐
Jim Leaden (Vice-Chair)	Kansas DOT	☒	Ed Liberati	Hughes Group	☒
John Culbertson	Kansas DOT	☐	Blake Liberati	Hughes Group	☒
Josh Rogers (Director)	Kentucky TC	☒	Kevin Irving	Int. Zinc Assoc.	☐
Dora Alexander	Kentucky TC	☒	Dave Heilman	Jet Filter System	☒
Brandon Boatman	Michigan DOT	☐	Paul Vinik	GPI	☐
Jacob Creisher	Michigan DOT	☐	Richard Dunne	GPI	☒
Jason DeRuyver	Michigan DOT	☒	Paul Jensen	Jensen Eng.	☒
Paul Pilarski	Minnesota DOT	☐	Dave Juntunen	Kercher Group	☐
Sarah Sondag (Chair)	Minnesota DOT	☒	Drew Storey (Vice Chair)	Mott MacDonald	☒
Jerry Goodman	Missouri DOT	☒	Bobby Scarpitto	Kwikbond	☒
Todd Miller	Missouri DOT	☒	Gregg Freeman	Kwikbond	☐
Fouad Jaber	Nebraska DOT	☐	Josh Bunderson	Metal Fatigue Soln.	☐
Kent Miller	Nebraska DOT	☒	Adam Hales	Phoscrete	☐
Mark Traynowicz	Nebraska DOT	☐	Kyle Bartfay	Phoscrete	☐
Barry Kinnischtzke	North Dakota DOT	☒	Paul Imbrock	PoreShield	☒
Matthew Kurle	North Dakota DOT	☒	Tessellen Fennelly	PoreShield	☐
Nancy Huether	North Dakota DOT	☒	Richard Huza	Salit Steel	☐
Brad Noll	Ohio DOT	☒	Derrick Castle	Sherwin Williams	☒
Jared Backs	Ohio DOT	☒	Mark Hudson	Sherwin Williams	☐

Mike Brokaw	Ohio DOT	☐	Aamer Syed	Sika	☐
Walt Peters	Oklahoma DOT	☒	Fabio Puzzo	Sika	☐
David Coley	South Dakota DOT	☐	Chris Davis	Structural Tech	☐
Todd Thompson	South Dakota DOT	☒	Tom Donnelly	Transpo	☐
Alex Pence	Wisconsin DOT	☐	Michael Stenko	Transpo	☐
Bill Oliva (Chair)	Wisconsin DOT	☒	Lawrence Kirchner	TranSystems	☐
Philip Meinel	Wisconsin DOT	☐	David Brodowski	TrueTech Bridge	☐
Ryan Bowers	Wisconsin DOT	☐	Peter Seibert	UHPC Soln.	☒
Travis McDaniel	Wisconsin DOT	☐	Kevin Stumpf	Uretek USA	☐
David Bohnsack	Wisconsin DOT	☒	Kevin Stalz	Washer Coatings	☐
Anthony Stakston	Wisconsin DOT	☒	Nick Graziani (Director)	Watson Bowman	☒
Local Agency Representatives					☐
Mel Quick-Miller	Harrison Cty IN	☐			
Javier Romero	Cook County, IL	☐	Unknown Affiliation		
			Michael Stroia		☒
Academia Representatives					☐
Basak Bektas	MN State Mankato	☐			☐
Glenn Washer (Director)	U of Missouri	☐			
Pat Conner (Director)	Indiana LAP	☒			☐
					☐
FHWA Representatives					☐
Larry O'Donnell	FHWA	☐			
Raj Ailaney	FHWA	☐			☐
Scott Stotlemeyer	FHWA	☐	Guest Speakers		
Tim Anderson (Director)	FHWA	☒			☐

2. **Approval of Minutes from December business meeting.** Motion by Drew, 2nd by Nancy.
Any opposed – None. Thanks for the minutes, Jim.

3. Nominations and Election of Board Members

- Secretary/Treasurer Sarah Wilson did not attend the December 2021 business meeting, but accepted the position.
- At-Large Director currently Nathan Peters with emseal, Nathan has left EmSeal - Andy Castillo with Emseal, has offer to fill slot. Nominated by Sarah S, 2nd by Bill O. All in favor Aye, none opposed. Andy Castillo is the At-Large Director.
- Industry Directors Nick Graziani from Watson Bowman will continue as a Director. Tom Donnelly has completed his 3 year term, and needs to be replaced. Drew Storey from Mott MacDonald, nominated by Nick G. 2nd by Dave Bohnsack. Approved. Drew Storey is the 2nd Industry Director.
- Vice-Chair (Industry) Typically one of the industry directors serves as Vice-Chair. Drew Storey is willing to serve. With no objections, Drew Storey will fill the position.

- e.) Website Updates **Should send note to Chris / Darlene for Dennis Tang to update the website.**

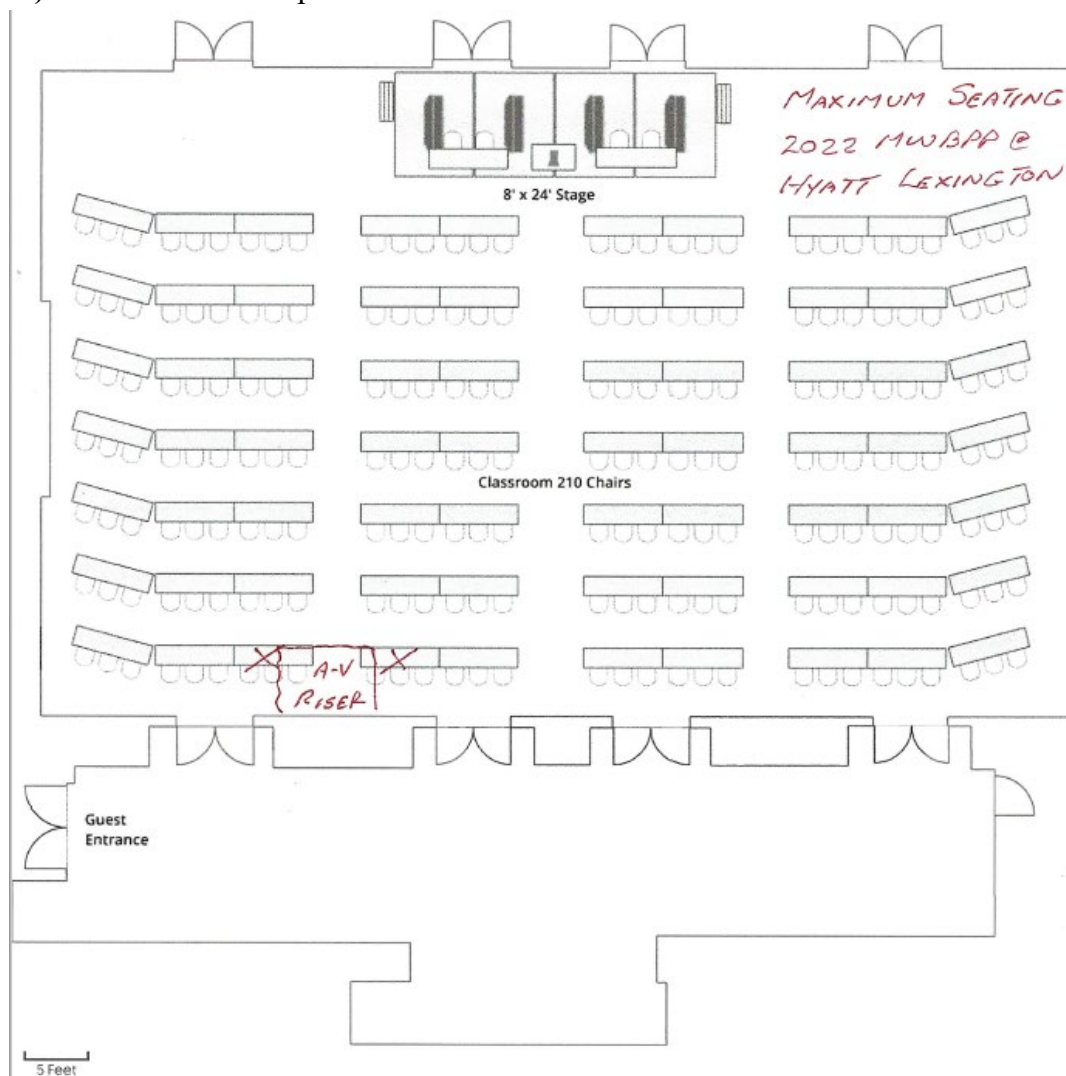
Final List of Officers for 2022 – Midwest Bridge Preservation Partnership

Officers			
Name	Organization	Role	Email
Sarah Sondag	Minnesota DOT	Chair (State Rep)	sarah.sondag@state.mn.us
James Leaden	Kansas DOT	Vice-Chair (State Rep)	Jim.Leaden@ks.gov
Drew Storey	Kirchner Group	Vice-Chair (Industry)	dstorey@kerchergroup.com
Sarah Wilson	Illinois DOT	Secretary / Treasurer (State Rep)	sarah.wilson@illinois.gov
Directors			
Name	Organization	Representation	Email
James Leaden	Kansas DOT	State Agency Director	Jim.Leaden@ks.gov
Jason DeRuyver	Michigan DOT	State Agency Director	DeRuyverJ@michigan.gov
Josh Rogers	Kentucky Trans. Cabinet	State Agency Director	Josh.Rogers@ky.gov
Sarah Sondag	Minnesota DOT	State Agency Director	sarah.sondag@state.mn.us
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
Andy Castillo	Emseal	At-Large Director	acastillo@emseal.com
Drew Story	Kirschner Group	Industry Director	dstorey@kerchergroup.com
Nick Graziani	Watson Bowman	Industry Director	nicholas.graziani@watsonbowmanacme.com
Tim Anderson	FHWA, MN Division	FHWA Ex-Officio, Advisory	Timothy.Anderson@dot.gov
Bill Oliva	Wisconsin DOT	Past Chair Ex-Officio, Advisory	william.oliva@dot.wi.gov

4. MWBPP Annual Meeting – Lexington, KY (John Hooks)

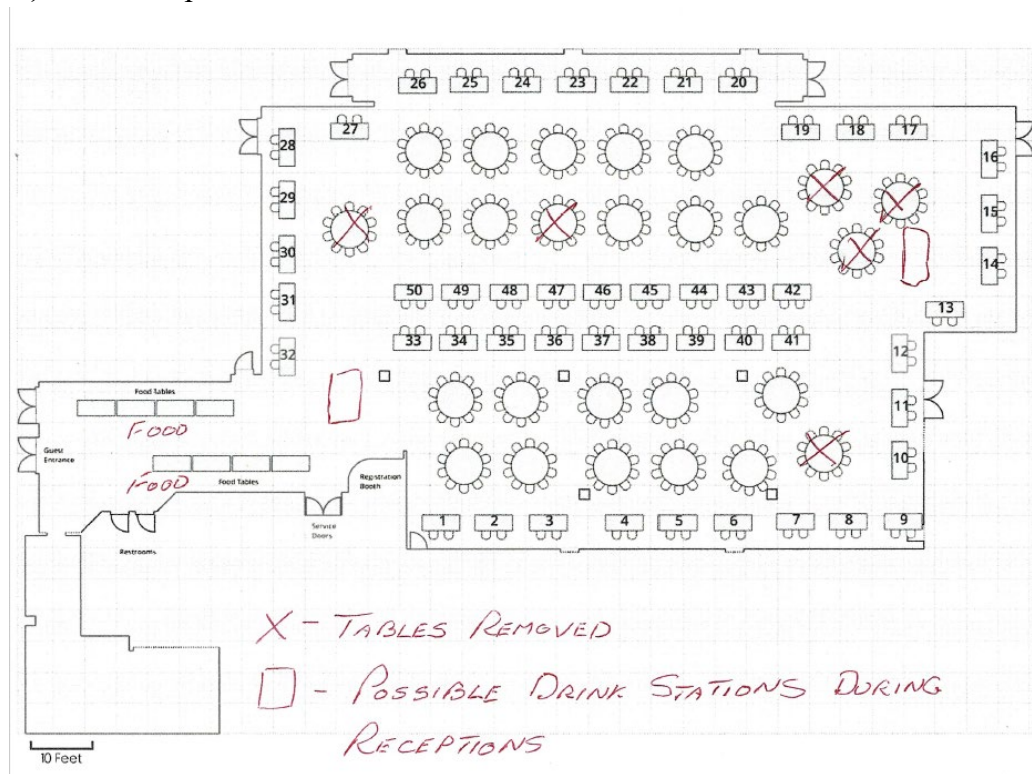
a.) Tentative Date: October 25-27, 2022

b.) General Session Space



- i. Max capacity is approximately 204; room can be divided in half or thirds for breakout sessions **J. Hooks – this should work. The real issue is the exhibit hall.**
- ii. For Information: Bismarck, ND Meeting: 189 Attendees, 49 Exhibitors

c.) Exhibit Space



- i. Patterson Ballroom = 9,000 SF (typically want 10,000 SF min)
- ii. 50 6-foot exhibit tables plus 20 10-person tables **6 ft is typical for vendor tables.**
- iii. Pre-function area doubles as meal buffet location and break refreshment location **J. Hooks - This is a tight is it too tight? Dick Dunne (Industry)–rdunne@gpinet.com thinks its reasonable, industry can make it work.**
- iv. Dates – looking at October 25 to 27th at Regency in Lexington.
- v. Tim Anderson – later date works better for FHWA.
- vi. Some discussion about possibly combining with other groups on a rotating basis – possibly every other year, something to consider. If the SouthEast can't hold their meeting, we could reconsider, but it would involve changing time and location since this location couldn't hold both groups. John Hooks will update if something changes, but no movement toward combining currently.
- vii. Generally - No objections to moving forward. John H / Darlene to look to finalize arrangement.
- viii. Meeting with planning group to be set up in the future, looking for **volunteers email Sarah S or John Hooks..** Typical date has been Wednesday at 1 pm. Add Jason DeRuyver, and Dora Alexander from KYTC

5. MWBPP Deterioration Modeling Working Group (Bill Oliva)

a.) Update

- i. Amended contract with Wood, added money and extended contract. Funding provided by Wisconsin. Supported by entire TAC (Technical Advisory Committee.)
- ii. Research team working on updating the dataset, based on recommendations from State DOTs. Should complete dataset by Mid January. A short period for state DOT's to make quick review.
- iii. Regenerating deterioration curves based on updated dataset.
- iv. Monthly meetings extended through September 2022.
- v. Bill Oliva thanked the TAC for their support and time.

6. Goals for 2022

- a.) Focus Areas/Discussion Topics Discussion about peer exchanges being valuable. Panel Sessions. Looking to trial this format, during the Bridge Painting Discussion next month. Need some volunteers... Derrick Castle with Sherwin Williams volunteer
- b.) Need any topics that might work with this format. Suggested that each DOT send Sarah S, a suggested discussion topic. At least one but can be more.
- c.) Drew S – volunteered to set up a survey of the states. Send out a request for topics or focus area, or a project or new process that can be sent out to the group.
- d.) Tim Anderson – T1 steel memo sent out recently, discussion how states are handling that topic. (Something to send out to the group?)
- e.) Working Groups Current working group list. See if they are moving forward, or should be sunsetted, or restarted. Or a new working groups added?
 - i. For reference – <https://tsp2bridge.pavementpreservation.org/midwest-mwbpp/action-committees/>
 - ii. Kent M – commented that putting dates on the list/file names would be helpful.
- f.) Discussed the working groups – see comments on the pages at the end of the minutes.
- g.) Peer Exchange Sessions/Panel Sessions Drew Storey to do a survey of each DOT / Industry Members – for topics that would lend themselves to a panel session.

7. Round Table Discussion (if time allows)

- a.) Snowplow Protection for Expansion Joints Introduce topic - MN looking to update their standard. Essentially - adding a welded plate to prevent plows – at locations outside the wheel tracks. Used on joints with Skews over 15 but less than 50 degrees. See Minnesota's current details for snow plow protection for expansion joints can be found at the following link:
<https://www.dot.state.mn.us/bridge/pdf/cadd/files/bdetailspart2/pdf/fig7628.pdf>

What does your state do?

- i. Ed New Hampshire does, reach out to Tim Moody or Steve Johnson, for details
- ii. Illinois doesn't.
- iii. Dave B from Wisconsin has done some, used MN Detail. Sometimes welds last, sometimes they fail...
- iv. Don - Kansas – puts vertical plates as part of the anchors, seeing damage.
- v. Nancy H – ND doesn't use this...

8. Next Monthly Meeting

a.) February 1st, 2022

- i. Introduction to Bridge Painting (Tony Serdenes, GPI) Tony / Derrick with Sherwin Williams volunteered to be panel members.
- ii. Bridge Painting Panel Session: Volunteers?

MWBPP Working Groups

MWBPP Working Groups

From time to time, a Partnership's Board or Steering Committee may appoint working groups of persons possessing special knowledge or expertise for the development of programs, tasks, and activities, or to perform other actions which promote the objectives of the Partnership.

For their duration, each of the working groups will have a leader(s), a defined work scope, a list of deliverable items, and an expected completion date.

Action Item	“Outreach to Local Agencies” Outreach to Local Agency has become a national group. In future looking for an update on status
Leader	Pat Connor, Purdue University (Indiana LTAP)
Work Team	Kim Streicher (City of Chesterfield, MO); Mike Wenning, GAI Consulting; Nancy Huether, North Dakota DOT
Work Scope	1. Exposure of the TSP2 Bridge Preservation Program. 2. Offer Scholarships to Counties, Cities, Towns. 3. Designate LTAP Contacts in the MWBPP states. 4. Promote attendance at TSP2 Annual Meetings and on Teleconference Calls.
Deliverable Products / Expected Completion	1. List LTAP Contacts in the MWBPP states: 1 January 2015.
Action Item	“Systematic Preventive Maintenance (SPM)” Does this need to be done again or updated? Or should this be sunsetted? Missouri DOT rep Todd offered to look into this possibly reach out to
Leader(s)	Scott Stotlemeyer, MO DOT (no longer with Missouri – now FHWA)
Work Scope	1. Outreach to MWBPP States for Status of Programs. Develop Synthesis of MWBPP states' SPM plans / agreements / programs. 2. Develop list of potentially eligible SPM activities.
Deliverable Products / Expected Completion	1. Summary of survey responses, including no responses: Completed November 2013 and 2016 (To be updated on a 3-year cycle). Survey Results (.docx) – 2016-11-01
Action Item	“Preservation Matrix” older – dates to 2015. Could look at updating, if people feel that would be a benefit. How does

	this differ from the Bridge Preservation Guide? Possibly look at the Northeast and West regions - All sorts of things timber bridges, steel, substructure.. different regions handled different bridge parts. Spun in the national bridge deck preservation working group, which has a developed a guide for concrete bridge deck preservations – possibly share link here?? Helpful to see what different states are doing.
Leader(s)	Brandon Boatman, MI DOT
Work Team	Bill Oliva (WI DOT), Larry O'Donnell (FHWA Resource Center), Jeremy Hunter (IN DOT), Ed Lutgen (<i>Delegate</i>) (MN DOT)
Work Scope	1. Within the MWBPP states, identify proven bridge preservation techniques and provide networking and contact information for others. 2. Within the MWBPP states, identify the top five bridge preservation strategies, noting trends and the effectiveness of the applications.
Deliverable Products / Expected Completion	1. Draft Deck Matrix: April 2014; Final Draft: 1 January 2015. Completed on 19 February 2015. Download Final Matrix (.xlsx) 2. Web-based document: TBD.
Action Item	“Midwest Bridge Deterioration Modeling” become the pooled fund study which is moving forward. Add links to interim products from the pooled fund study. Bill Olivia to work at modifying this document to add the links.
Leader(s)	Bill Oliva, Wisconsin DOT & Fouad Jaber, Nebraska DOR
Work Scope	Develop a select number of bridge deterioration curves for the time-dependent deterioration of bridge elements to be used in making estimates of future conditions and work actions. This effort will pool data and create results that will improve accuracy of various bridge management and asset management applications used by member DOTs, e.g., BrM, Agile Assets, and homegrown. We plan to develop this project as a Transportation Pooled Fund Study (TPF), funded and managed by the MWBPP Work Group.
Deliverable Products / Expected Completion	1. Element-level and NBI deterioration curves. 2. Element-level deterioration curves for substructure. 3. Defect-level deterioration curves. 4. Explore how bridge deck cracking progresses into delamination. 5. Determine what type of inspection information (nondestructive testing) Mid-west DOTs have that translates

	into information on element-level defects, e.g., GPR, Thermograph, etc. 6. Completion will be in phases.
Action Item	“Regional Specifications & Product Evaluation Database” Sunsetting. Turned into Product Evaluation database, not doing much to maintain. The Bridge Deck Preservation National Working Group is looking at an update plan for annual updates from the manufactures.
Leader(s)	Drew Storey, IN DOT; Jason DeRuyver, Michigan DOT
Work Team	Jason Collins (Mo DOT), Keith Platte (AASHTO)
Work Scope	1. Develop a survey based on the results of the Preservation Matrix. Potential Collaboration with other Partnerships. [See Survey Results] 2. Review how shared Specifications can be developed. 3. Participate in a National Working Group for the development of a Bridge Performance Specification. 4. This Working Group has been Sunset.
Deliverable Products / Expected Completion	1. Working Group to tentatively sunset if a national initiative involving all Bridge Partnerships can be established. 2. There is an ongoing need for agencies to continue to evaluate and report on products with the assistance of industry. 3. Consideration of development into a National Working Group incorporating all Partnerships. 4. Pilot Specification: To be developed. 5. This Working Group has been Sunset.
Action Item	“Bridge Preservation Research” possibly future discussion or topics.
Leader(s)	Glenn Washer (University of Missouri), John Hooks (NCPP)
Work Team	Elmer Alksnitis (SD DOT), Shane Boone (BDI), Pat Connor (Indiana LTAP), Jason Collins (Mo DOT), Keith Platte (AASHTO), Jeff Hay (RDI Technologies), David Hedeer (MN DOT), Jeremy Hunter (IN DOT), Fouad Jaber (NE DOR), Kevin Irving (AZZ Galvanizing Services), Jim Leader (KS DOT), Walt Peters (OK DOT), Paul Pilarski (MN DOT), Mark Pribula (MN DOT), Frank Sailer (IN DOT), Mike Todson (IA DOT).
Work Scope	1. Promote the consolidation and dissemination of research. 2. Identify research needs and promote new research. 3. Technology transfer and communication of technologies for bridge preservation.
Deliverable Products / Expected Completion	1. Final report on 2012 survey of MWBPP agencies’ in-house research in February 2014.

	- Consolidation of research report resources from different states. - Prioritize research needs statements.
Action Item	“Annual Meeting Working Group”
Leader(s)	Current Chair; Hosting State Representative
Work Team	Members of the Current Board; NCPP Representatives
Work Scope	- Develop an Agenda for Annual Meetings. - Plan separate conference calls for the Annual Meeting development.
Deliverable Products / Expected Completion	MWBPP Meeting Agenda and Common Partnership Session: April 2018.
Action Item	“Social Media Development” . Follow the Bridge Preservation Partnership Linked in page. Lorella not leading this any longer. Here’s the link for the National Working Groups – See the one titled “Bridge Preservation Outreach and Communications” https://tsp2bridge.pavementpreservation.org/national-working-groups/ Consider joining the TSP2 Linked in group - https://www.linkedin.com/company/tsp2-bridgepreservationpartnership/
Leader(s)	Lorella Angelini, Angelini Consulting Services
Work Scope	Formation of a Working Group to develop communication capabilities for the MWBPP by the use of Social Media. - Develop Social Media tools for the MWBPP Webpage. - Increase awareness of Bridge Preservation. - Share Case Histories, Bridge Preservation Initiatives, Bridge Preservation Research, and Bridge Preservation Events using social media tools that are more readily accessed by some. - Work with the NCPP Webmaster to further develop the MWBPP Webpage. - Initiate other Social Media, including LinkedIn.
Deliverable Products / Expected Completion	- MWBPP Blog development to produce a draft version for review in July 2014. Consideration of this initiative at the 2014 National Meeting with the objective of promoting it as a National Initiative for all Bridge Preservation Partnerships. - A LinkedIn account for Bridge Preservation has been developed.

	3. The MWBPP Blog was up and running by February 15, 2015. 4. This Working Group has been Sunset. A National Social Media Working Group has now been formed as a result of this Working Group's initiatives. Social Media have no boundaries and the initial MWBPP Working Group was a Pilot Working Group, which was expected to evolve from its inception. Members from the four Bridge Partnerships will represent their regions. The MWBPP will continue to have representation, and Report-outs will be made during conference calls and at meetings.
Action Item	"Performance Measures" Completed and Sunset.
Leader(s)	David Juntunen, MI DOT
Work Scope	1. National Performance Measures Liaison with FHWA BPETG. Future Needs: Defining the Value of Preventive Maintenance.
Deliverable Products / Expected Completion	1. Presentation of Options: Working Group Completed and Sunset.
Action Item	"Communicating the Benefits of Bridge Preservation Campaign" Rolled into Social Media
Leader(s)	Drew Storey, Indiana DOT; David Juntunen, Michigan
Work Team	Nancy Huether, North Dakota DOT; Lorella Angelini, SCS; Siva Venugopalan, Siva Corrosion Services; Tom Donnelly, Transpo Industries; Mike Wenning, GAI Consulting
Work Scope	1. Market to local and state transportation agencies the benefits of bridge preservation.
Deliverable Products / Expected Completion	1. Development of video clips promoting Bridge Preservation. Develop separate videos for different audiences. First video to be completed by 1 June 2015. 2. This Working Group has been Sunset. A National Social Media Working Group has been formed which includes this Working Group's initiatives. Members from the four Bridge Partnerships will represent their regions. The MWBPP will continue to have representation, and Report-outs will be made during conference calls and at meetings.
Action Item	"Industry Technology Demonstrations" Moved to National ITD working group.
Leader(s)	TBD
Work Team	Farokh Mehr (Dow Aksa Carbon Wrap), Lisa Zentner (Crafco, Inc.), Kevin Irving (AZZ Galvanizing Services)

Work Scope	1. TBD. 2. TBD.
Deliverable Products / Expected Completion	1. TBD. 2. This Working Group has been Sunset.