



Midwest Bridge Preservation Partnership

Agenda – Monthly Teleconference

Tuesday October 5th, 2021

1:00 – 2:00 PM CST

- **Roll Call –**

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 (Director)	Illinois DOT	☒	Marc Parker	Collins Eng.	☒
Adam Post	Indiana DOT	☒	Thomas Collins	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	☒	Diana Hellman	FujiFilm	☒
Scott Neubauer	Iowa DOT	☒	Jason Fogg	HDR, Inc.	☐
Dominique Shannon	Kansas DOT	☒	LJ Dickens	HNTB	☐
Don Whisler	Kansas DOT	☒	Ed Liberati	Hughes Group	☐
Jim Leaden (Secretary)	Kansas DOT	☒	Blake Liberati	Hughes Group	☐
John Culbertson	Kansas DOT	☒	Kevin Irving	Int. Zinc Assoc.	☐
Josh Rogers (Director)	Kentucky TC	☒	Dave Heilman	Jet Filter System	☒
Brandon Boatman	Michigan DOT	☐	Greg Heilman	Jet Filter System	☒
Jacob Creisher	Michigan DOT	☐	Paul Vinik	GPI	☐
Jason DeRuyver	Michigan DOT	☒	Richard Dunne	GPI	☒
Ashley Grzybowski	Minnesota DOT	☒	Paul Jensen	Jensen Eng.	☐
Paul Pilarski	Minnesota DOT	☐	Dave Juntunen	Kercher Group	☒
Sarah Sondag (Vice Chair)	Minnesota DOT	☐	Drew Storey	Kercher Group	☐
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 (Vice Chair)	Transpo	☐
Alex Pence	Wisconsin DOT	☒	Michael Stenko	Transpo	☐
Anthony Stakston	Wisconsin DOT	☐	Lawrence Kirchner	TranSystems	☐
Bill Oliva (Chair)	Wisconsin DOT	☒	David Brodowski	TrueTech Bridge	☒
Philip Meinel	Wisconsin DOT	☒	Peter Seibert	UHPC Soln.	☐
Ryan Bowers	Wisconsin DOT	☐	Kevin Stumpf	Uretex USA	☐
Travis McDaniel	Wisconsin DOT	☐	Kevin Stalz	Washer Coatings	☐
David Bohnsack	Wisconsin DOT	☐	Nick Graziani (Director)	Watson Bowman	☒
Local Agency Representatives			Kevin Stalz	Washer Coatings	☐
Mel Quick-Miller	Harrison Cty IN	☐	Unknown Affiliation		
Javier Romero	Cook County, IL	☐	Kelly Bengston		☒
Academia Representatives			Dan Patacca	ECHEM	☒
Basak Bektas	MN State Mankato	☐	Erin Calcari		☐
Glenn Washer (Director)	U of Missouri	☒	Steve Conley	ECHEM	☒
Pat Conner (Director)	Indiana LAP	☐	Michael Stroia	CMC	☒
FHWA Representatives			Brad Ehle	Adv. Chem. Tech.	☒
Larry O'Donnell	FHWA	☐	Neil Roberts		☐
Raj Ailaney	FHWA	☒	Paul T. Denkler		☐
Scott Stotlemeyer	FHWA	☒	Guest Speakers		
Tim Anderson (Director)	FHWA	☒	Tony Serdenes		☒

- **Approval of Minutes – September 2021 Monthly Meeting**

Bill Oliva had control of the screen and brought up the Minutes from the September 7th, 2021 Monthly Teleconference. John Hooks made a motion to approve the minutes. Bill Oliva seconded the motion. No one opposed. The motion passed. The minutes were approved.

- **2021 MWBPP Annual Meeting (TBD) – John Hooks -**
 - *Update on the December 2021 WBPP/MWBPP Annual Meeting.*
 - *Draft Agenda*
 - *Peer Exchange / Break-Out Session ideas – Group Thoughts & Ideas*

John Hooks took control of the screen and showed a file with notes referencing this topic. He touched on a few items:

John said that they are keeping track of the Registrations to the Annual Meeting in Glendale, AZ as they come in. Right now, we have 82 members (29 from Agencies, and 53 from Industry) registered for the conference John expects around 150 total. John asked the DOT Members to get your travel requests in sooner than later. This will help Darlene put travel itineraries together.

A couple things about the Agenda... We have a panel session devoted to the impact of updates to load ratings for both SHVs and EVs Matt Harlan has agreed to moderate that panel session. Matt will also make a 25-minute presentation on the topic based on activities in Oregon. John is still looking for panel

members. He nominated Walt Peters (Oklahoma DOT) (if he will accept that), but John is still looking for a few more panel members that are involved with this topic in their organization.

John was building the agenda on the idea of having parallel peer exchanges in the 11:00 to 12:00 time slot. But unfortunately, there aren't enough rooms to do that. John presented options for separating the peer exchange groups. Having appropriate space to separate the peer exchange groups will help us determine how many peer exchange topics we have. John presented a list of topics that the WBPP had from 2020. He was looking for suggested topics from the MWBPP. He said these peer exchange topics would then be discussed and incorporated into the agenda at the next joint WBPP/MWBPP Agenda Planning Meeting scheduled for 10-20-21.

One additional topic about the Annual Meeting Agenda that John wanted to mention was that we have 2 other panel sessions, and we are still short on panel members. One is "Using Inspection Data to Support Decision Making" we have Dustin Thomas from MnDOT as a Panel Member. John asked Bill Oliva that since Phil Meinel was going to be there presenting in advance of that Panel Session would he be a good fit to be a Panel Member for that Panel Session? Bill O. nominated Phil M. to be a member for that Panel Session. John H. penciled him in.

The other Panel Session "Deploying Innovative Inspection Technology" is being moderated by Jason DeRuyver (MichDOT). John said we have two possibilities for a Panel Member from North Dakota, but he is looking for a couple others. He said that we could look for a Panel Member from Industry to get the Industry's perspective. *(Update: Jason DeRuyver noted that Chad Skrocki will be moderating this Panel Session in his place).*

The Agenda is really getting close to being finalized. There are only a few question marks left. But John has plenty of opportunities to fill any remaining vacancies and cover for any last-minute setbacks.

Bill Oliva asked if there are any additional ideas for Peer Exchanges or Break-out Sessions. Bill said one area of concern he had was about Rigid Overlays (construction, maintenance, specifications, and performance). Dick Dunne noted: Pat Martens and Peter Seibert from UHPC, and some Iowa Members have background with the development of a pocket guide on this topic (it's part of the BPETG (Bridge Preservation Expert Task Group)). He said that the group could talk on this topic. Bill said that would be some good starter material to get discussion going. Jason DeRuyver mentioned a Michigan DOT, NCHRP Scan on Rigid Concrete Overlays a couple years ago (he could ask that person to get involved with this as well).

Fouad Jabber asked about an ASSHTO Report issued in September as a preservation guideline. Bill will look it up. Fouad also mentioned that Research would be a good topic as well.

Bill said that if any topics come up, let John Hooks know. These additional topics will be brought-up at the WBPP / MWBPP joint planning committee on 10-20-21. At that point Agenda Items will be approved and Discussion Leaders will be determined.

- **Travel Scholarships –**

The board members discussed and affirmed the travel budget and number of requests for scholarships. Following discussion by the Board members, a motion by was made and passed.

This was a rehash of last month's Monthly Teleconference. Bill re-iterated that those Members that received scholarships to the Annual Meeting need to get registered. Jason DeRuyver asked which Airport we will be flying into so that he can finalize his flight itinerary. ***It is the Phoenix Sky Harbor International Airport (PHX).*** In the interest of saving time for the other presenters scheduled on the call, we moved on.

- **MWBPP Deterioration Modeling Working Group (Bill Oliva)**
 - *Finish Data review – September 30th*
 - *Next Call Friday October 8th*

All of the States are going through their data. The Working Group will meet on a call Friday morning (10-8-21). The Agenda for that call will focus on comments from the States on their data review. There were no other updates... We moved on...

- **MWBPP Bridge Inspection Program Manager Working Group – Nancy Huether & John Hooks**

There was a lot of discussion about Local Agency Inspections from the Working Group's call last month. This discussion will carry over to the next monthly call.

- **Clear Cast Panel System - An alternate to MDOT current maintenance sheeting - Jason DeRuyver & Dave Brodowski.**
 - *Test a modified version of the clear cast panel system as an alternate to our current maintenance sheeting.*

Jason DeRuyver took control of the screen. He started off by outlining the agenda of his presentation. Why false deck / sub-decking is needed? The presentation will show the objectives of the Michigan "Drop Test". It will also show the results of the "Drop Test" on transparent false decking. He noted that this is a good example of how our partnership works here in the MWBPP. The State Agencies will identify a problem, and they will work with a vendor to come up with new solutions to these problems.

Jason continued by stating the problem Michigan DOT was facing. Like other State DOTs, they were having problems dealing with falling concrete coming off their bridges which showed their need for a false decking. In Michigan, they initially used lumber false decking to catch falling concrete. In 2010, they came up with another option, metal mesh panels. Metal mesh panels were useful because they allowed a bridge inspector to see the bottom of the deck, and rate it accordingly. Metal mesh panels were more expensive than the lumber option. Metal mesh panels were also limited to about a 9.0' bay width. Jason went over a couple Special Provisions. For wood false decks left in place special provision had a design loading on it for wind uplift, and a dead load vertical downward, but it also had a concentrated load if a big piece falls or hits a diaphragm and falls on its edge. So, that was the starting point they had for metal mesh panels, and it is what they wanted as the starting point for the clear cast panels.

TrueTech Bridge rebranded their Clear **Cast** Panels as Clear **Catch** Panels. The Clear **Cast** Panels (have an acrylic sheet that goes over them, and the Clear **Catch** Panels have a poly-carbonate sheet that goes over them). The Clear **Cast** Panels are for the stay-in-place forms at the bottom of the deck that you can see-through. The Clear **Catch** Panels are used to catch the falling concrete and these panels fit onto the bottom flanges of the girders. These Clear **Catch** Panels are much lighter than the metal mesh panels they were using, which required them to have wind tie-downs on the ends of the panels. Jason showed a series of videos of various "Drop Tests". The videos showed drop tests of the acrylic coated panels versus the polycarbonate coated panels. Jason also noted that the company would provide shop drawings and showed some examples. We are hoping to attach his presentation to these Meeting Minutes.

- **Intro to Bridge Painting - Tony Serdenes, Vice President/Corrosion Protection Pursuits Leader for Greenman Pedersen, Inc. (GPI).**

- *This presentation is an introduction to bridge painting and those elements involved with it. This will provide an overview of the evaluation of the existing bridge coatings system, design of the specifications, inspection during the construction phase and maintenance considerations following completion of the project.*

Tony Serdenes attempted to give his presentation, but technical difficulties ensued. Despite the technical difficulties, Tony did his best to give highlights of his presentation. There was enough interest from MWBPP Members on this topic, that prompted leadership to reschedule this presentation on a later date. Tony agreed. The presentation is tentatively scheduled to be included in the January 2022 MWBPP monthly teleconference. Tony's presentation is attached to these Meeting Minutes.

- **Other New Business**

- *Monthly Preservation Topics for November 2021 - volunteers*

Bill Oliva opened up discussion. Fouad Jabber (NDOT) illustrated points of interest important to him that he would like to see when Tony Serdenes' "Intro to Bridge Painting" presentation is rescheduled. Fouad said it would be nice to have a contractor's point of view to give agencies information on what to look for during application (i.e.; reflectability, traffic control needs, perspective on overcoating, removal of old coating, how to pick a good coat, etc). Bill said he would share this request with Tony.

Raj Ailaney mentioned that there was a GAO (Government Accounting Office) Report that was published this month. The title is "Federal Highway Administration Could Better Assist States with Information on Corrosion Practices" (<https://www.gao.gov/products/gao-21-104249>). Raj said that Tony's presentation on "Intro to Bridge Painting" is very timely and asked if it could be attached to these Meeting Minutes. The presentation is attached.

Tony Serdenes arrived back on the call after having technical difficulties. Bill asked if he could do the presentation again at a later date. Tony said he'd be happy to do so. Tony also noted that he was planning to be at the MWBPP Annual Meeting in Glendale AZ on December 8th. And that he could give the presentation there. He said he was going to present on steel repairs at the Annual Meeting, but he could give this presentation as well. John Hooks made a note to include this on the next Planning Committee call (for the MWBPP Annual Meeting) later this month. Tony said that he was scheduled to give this same presentation October 6th, 2021 on the WBPP monthly teleconference. He will provide information via email to inform anyone on this call how to listen-in on that call.

- **Next Monthly Meeting**

- **November 2nd, 2021**

Send ideas to Bill Oliva.

- **Meeting Adjourned**

Bill thanked Jason DeRuyver and Dave Brodowski for their presentation on their "Clear Cast Panel System" presentation, and Tony Serdenes for his "Intro to Bridge Painting" presentation.

Bill also reminded everyone to register for the 2021 MWBPP & WBPP Annual Joint Meeting scheduled for December 6th through the 9th, 2021. And he asked that you work with Darlene as soon as you can to get travel coordination items settled.

There was an opportunity to have 4 additional minutes of information provided to the Partnership as the Meeting adjourned 4 minutes late at 2:04 PM in the Central Time Zone.