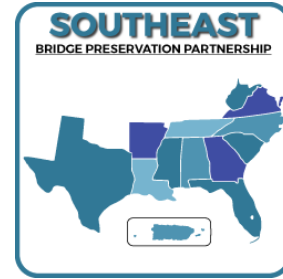


Southeast Bridge Preservation Partnership



August 4, 2021 - Teleconference (One Hour) Meeting Minutes

1. Attendees

Name	Organization
Aaron Immel	Volkert
Allen Scarborough	CMC / AZZ
Andy Nanneman	Arkansas DOT
Blake Liberati	Hydro-Technologies, Inc.
Brian Mintz	Phoscrete
Chris Davis	Structural Technologies
Clayton Bennett	Jacobs
Daniel Muller	FHWA
David Miller	Louisiana DOT
Diana Hellman	Fujifilm
Edward Liberati	Hydro-Technologies, Inc.
Graham Bettis	Texas DOT
Greg Heilman	JET Filter Systems
Gregg Freeman	Kwikbond Polymers
Ismail Aviles	Phoscrete
John Hooks	NCPP
Loren Dickens	HNTB
Lorella Angelini	Angelini Consulting Services
Michael Hill	Arkansas DOT
Michael Stroia	AZZ
Nicholas Pierce	North Carolina
Paul Imbrock	Environmental Concrete Products, LLC
Rabindra Koirala	Georgia DOT

Raj Ailaney	FHWA
Richard Withers	Mississippi DOT
Scott Westerfield	Mississippi DOT
Steven Austin	Texas DOT
Stewart Linz	Arkansas DOT
Thomas Collins	Collins Engineering
Thomas Quinn	Tennessee DOT
Tim Sherrill	North Carolina DOT
Tim Woolery	Advanced Chemical Technologies

2. Approval of minutes from July 7, 2021
 - a. Brian Mintz made a motion to approve minutes, David Miller seconded the motion, and the motion was carried.
3. Future Conferences
 - a. John Hooks discussed planning for the 2021 SEBPP conference: Hot Springs – November 2nd through 4th
 - i. Conference will start at 2:00 pm to give more people flexibility to arrive on the day of the conference. This will push the adjournment to no later than 5:45 pm.
 - ii. Wednesday sessions will begin at 8:00 am and the conference will be for the full day.
 - iii. Thursday sessions will begin at 8:00 am and the conference will end at noon.
 - iv. Dick Dunne has reached out to Eric Christie to participate on the bridge management panel. Dick has also reached out to Sean Futch from South Carolina DOT to participate on the Bridge Emergency Work panel.
 - v. Matt Snyder from Chattanooga may be able to participate in the Local Bridge Preservation Funding panel session but the partnership may need to provide travel assistance. John discussed that the partnership has sponsorship money provided by individual partners with the explicit purpose of providing travel assistance to local governments to encourage participants. Michael Hill agreed that

participation from Matt would be good and Tim Sherrill agreed. Aaron Immel made a motion to fund this travel, Tim Sherrill seconded, and the board voted in favor of covering this cost. John will ask Dick Dunne to reach out to Matt to let Matt know that the partnership will cover this cost.

- vi. Dave Juntunen may not be able to moderate the Preservation Decision Making session in the Bridge Management Systems. Daniel Muller offered to serve as moderator for this session.
- vii. Michael Hill discussed that there is an increase in COVID cases and requested that if there are any lockdowns that this be communicated to Michael Hill and John Hooks so that changes can be made if necessary.

4. MaC Recap – David Miller

- a. David Miller noted that Louisiana is experiencing a large increase in COVID cases and is hopeful that the situation improves.
- b. Each of the national working groups and partnerships gave updates.
- c. David shared a few slides noting the working group's accomplishments:
 - i. David discussed the working group promoted safety and reliability of bridge preservation practices.
 - ii. Small Movement Expansion Joints – NCHRP Project 12-100 was published.
 - iii. MaC endorsed Evaluating and Implementing Unmanned Aerial Systems (UAS) into Bridge Management Methods through Element-Level Data Collection – NCHRP Project 12-122.
 - iv. MaC endorsed Load Rating Examples and Changes to the AASHTO Manual for Bridge Evaluation for Concrete Segmental Post-Tensioned Box Girder Bridges – NCHRP Project 12-123.
 - v. Proposed MaC Bridge TWG lead as a RNS on Protecting Bridge Approaches During Flood Events research project.

- vi. Thermography Verification research proposed by Wisconsin DOT is a possible NCHRP or FHWA research if approved by the Bridge TWG.

d. David is not sure where next year's MaC meeting will be.

5. Technical Presentation & Update:

- a. Ed Liberati, engineer with the Hydro-Technologies, Inc. shared a video prepared showcasing a project in Texas utilizing hydro-demolition surface preparation and latex modified concrete overlay on a bridge over SH 185 in the Dallas district. The video can be found here: <https://youtu.be/GLgDnX39yC0>
- b. Ed Liberati noted that the materials on the project are all made in America and can be installed by local contractors. Ed discussed that LMC overlays can be used on new bridge construction and on bridge preservation. 30 year old LMC is being replaced with new overlay in some cases.
- c. Ed provided the group with a market update on hydro-demolition and /LMC market update.
 - i. Ed discussed that Arkansas is a leader with LMC but Hydro-Technologies was not the supplier on a recent project. 85,000 square yards of LMC overlay were in Arkansas this year.
 - ii. Ed discussed that Kentucky is another big user especially on major river bridges. The state has 10-20 active LMC projects.
 - iii. Ed discussed that Virginia currently has 80,000 square yards on a series of bridges.
 - iv. Ed discussed that West Virginia has a 20,000 square yards on a quarter billion dollar project as well as 10 other projects.
 - v. Ed discussed that North Carolina has a project with 20,000 square yards. North Carolina has a
 - vi. Ed discussed that Tennessee has a project with 11 bridges that will be overlaid with LMC.
 - vii. Ed discussed a number of other projects in South Carolina, Louisiana, Georgia, Oklahoma, Texas, and Alabama where LMC and hydrodemolition were used.

- viii. Ed discussed that Mississippi is not using Latex but is using hydrodemolition.
 - ix. Ed discussed that there is an LMC working group.
<https://www.lmcworkinggroup.com/>
 - d. Mike asked about price increases. Ed discussed that they haven't seen big material cost increases nor shortages.
- 6. Future Technical Presentation:
 - a. September - Use of Carbon Fiber Reinforced Polymer and External Post-tensioning to Strengthen Prestressed Concrete I- beams in the Hampton Roads Bridge Tunnel Approach Spans. – Michael Sprinkel
- 7. Working Group Report Outs
 - a. National Deck
 - John Hooks discussed that the deck group collaborated to develop a Deck Preservation Resource Guide. This guide is available on the TSP2 website.
 - John Hooks discussed that a survey will be distributed to states as part of the crack sealing and deck sealing project discussed in previous working group reports.
 - b. National BMS
 - This group is taking a little break.
 - c. National Coatings
 - No update was provided.
 - d. National Working Group for Preservation Construction Quality
 - No update for this working group.
 - e. Deck Chloride Levels
 - This group is taking a break.
 - John will check with Travis on whether the group will continue after accomplishing the main goal of publishing a guidance document.
 - f. Outreach to Local Agencies
 - Gregg Freeman discussed that the group has given 13 presentations since July 2020. LTAP is taking the lead on this.

Gregg discussed that the group is working with BPETG on methodologies to find funds for local governments for preservation efforts.

g. Outreach and Communication

- David Miller discussed that the group has been meeting regularly. The biggest accomplishments from last month is that the group is moving to a Linked-In corporate site. Working group is looking for content to post on the corporate site. Working group is posting news articles that may be appropriate. Looking for input from partnerships and working groups.
- Mike requested a link to the site to

h. Industry Technology Demonstration Program (ITD)

- Brian discussed that everything is moving along with the seven projects in the program.
- AASHTO specifications for bridge preservation s was the focus of discussion in the last ITD meeting.

i. Bridge Inspection Program Manager

- Mike discussed that the last month presentation was on Fujifilm Crack-Detection.
- Acoustic Imaging will be a topic for discussion at the next meeting.

8. Treasury: \$43,590.36 as of June 27, 2021

9. Other New Business & List Action Items

- a. No new business
- b. Mike requested that everybody let him or John Hooks know if there are any COVID related travel restrictions.

10. Next Monthly Meetings

- a. Monthly Meeting: September 1, 2021, 10:00 a.m. EST
- b. Conference planning meetings: August 17, 10:00 a.m. EST

11. Adjourn

Research (Listing only active projects)

- **NCHRP 12-115 – “Guides for Risk Based Inspection and Strength Evaluation of Suspension Bridge Main Cable Systems”** – Research Agency: Modjeski & Masters Inc. – Research in progress – Estimated completion date: April 13, 2021.
- **NCHRP Project 12-117 – “Guidelines for Corrosion Protection of Steel Bridges Using Duplex Coating Systems”** – Research Agency: Elzly Technology Corporation – Research in progress – Estimated completion date March 15, 2022
- **NCHRP Project 20-05/Topic 50-12 – “Development and Use of As Built Plans by State DOTs”** – Research Agency: University of Kentucky – Research in progress.
- **NCHRP Project 20-07/Task 428 – “Update of 2012 AASHTO Guide for Design of Bonded FRP Systems for Repair”** – Research Agency: University of Kentucky Research Foundation - Research in Progress – Estimate Completion Date December 2, 2020

Training

NCPP Bridge Preservation Training for Local Agencies Web Based

130106A *Bridge Preservation Fundamentals*

130106B *Establishing a Bridge Preservation Program Based*

130106C *Communication Strategies for Bridge Preservation*

130109A *Bridge Management Fundamentals (web-based prerequisite for the four-day instructor-led training course)*

130109B *Performance Based Management of Bridge Highways*

130107A *Fundamentals of Bridge Management*

Instructor Led

130108 *Bridge Maintenance*

130106A *Introduction to Transportation Asset Management*

130106B *Developing a Transportation Asset Management Plan*

130091B *Underwater Bridge repair, Rehabilitation, and Countermeasures*