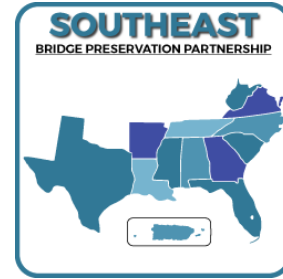


Southeast Bridge Preservation Partnership



June 2, 2021 - Teleconference (One Hour) Meeting Minutes

1. Attendees

Name	Organization
Aaron Immel	Volkert
Allen Scarborough	AZZ
Blake Liberati	Hydro-Technologies, Inc.
Chad Robinson	West Virginia DOT
Chris Davis	Structural Technologies
Chris Keegan	Washington DOT
Daniel Jones	Alabama DOT
Daniel Muller	FHWA
Darlene Lane	NCPP
Derrick Castle	Sherwin Williams
Drew Garceau	Collins Engineering
Edward Liberati	Hydro-Technologies, Inc.
Ed Welch	NCPP
Eric Christie	Alabama DOT
Graham Bettis	Texas DOT
Greg Heilman	JET Filter Systems
Gregg Freeman	Kwikbond Polymers
Jeff Pouliotte	Florida DOT
Jerub Hamrlich	Structural Technologies
John Hooks	NCPP
Laurent Guerineau	Sercel
Lorella Angelini	Angelini Consulting Services
Michael Hill	Arkansas DOT

Michael Sprinkel	Virginia DOT
Nicholas Pierce	North Carolina
Patrick Martens	Bridge Preservation
Paul Imbrock	Environmental Concrete Products, LLC
Rabindra Koirala	Georgia DOT
Raj Ailaney	FHWA
Richard Dunne	GPI
Steven Austin	Texas DOT
Stewart Linz	Arkansas DOT
Tessellen Fennelly	Environmental Concrete Products, LLC
Thomas Collins	Collins Engineering
Tim Sherrill	North Carolina DOT

2. Approval of minutes from May 7, 2021
 - a. Dick Dunne made a motion to approve the meeting minutes with a revision to the Inspection Working Group update regarding the Midwest partnership beginning a similar bridge inspection program manager working group. The motion was seconded and passed.
 - b. Steven will distribute revised May meeting minutes with June meeting minutes.
3. Technical Presentation: Chris Davis and Jerrub Hamrlich with Structural Technologies presented on Strengthening & Repair of Existing Bridges with Carbon Fiber Reinforced Polymer (CFRP) systems.
 - a. Presentation attached.
 - b. Following the presentation Chris opened up for questions.
 - i. Tim Sherrill discussed product use in North Carolina. North Carolina has used FRP to strengthen dapped beam ends at prestressed beams. Access has been a challenge at dapped beam ends especially where distance was only 2" or so. Tim discussed that adhesion on the sides with splayed ends became more critical when adhesion could not be achieved on top.

- ii. Graham Bettis noted that Texas has had a number of successful applications. Graham discussed that the success could be attributed to the FRP suppliers providing product to qualified installers. Graham suggested that it would be great if other products similarly required qualification of installers.
 - iii. Dick Dunne asked about how FRP can stand up to salt spray and infiltration of chlorides on the tops of bent caps with eventual leaking of deck joint. Jerrub noted that the material is not permeable and not corrosive. As such, does not allow infiltration of salts from salt spray as long as surface is prepared within tolerance. Jerrub discussed that Structural Technologies has not observed flaking or debonding of the coating on top of FRP over time..
 - iv. Jeff Pouliotte noted that Florida has used kevlar FRP at the joints on the Roosevelt segmental bridge. The FRP was applied under a two layer epoxy overlay riding surface and has performed well for 12 years.
- 4. Future Technical Presentations:
 - a. July - Innovative Technology Demonstration project with INDOT and HNTB - David Brodowski, TrueTech Bridge
 - b. August - TxDOT Hydro-Demo/ LMC - Ed Liberati, Hydro-Technologies
- 5. Future Conferences
 - a. John Hooks discussed the 2021 Hot Springs meeting planned for November 2nd through 4th. John noted that the agenda for SEBPP is coming together. John also discussed that the Northeast will like not be joining SEBPP. Northeast will be holding a virtual meeting. The midwest and west regions have agreed to a joint meeting in December.
 - b. Mike Hill noted that he has visited with the Assistant Chief of Operations and ARDOT is still supportive of the Hot Springs conference.
 - c. Tim and John noted that coordination has been ongoing for the 2022 conference planned to be held in North Carolina.
- 6. Working Group Report Outs

a. National Deck

- Patrick Martens discussed a group that has been formed to develop a pocket guide for rigid cementitious overlays. First meeting was last month and the subgroup is looking for a representative from the southeast region. Meeting is 2nd Tuesday of each month at 10:00 central time. Pat discussed that a recent survey was distributed to identify what types of overlays DOTs are using.
- Patrick discussed that all partnerships have agreed to contribute to the research study on crack sealing products. Further AASHTO TSP2 oversight panel has agreed to provide \$10,000 matching funds for project.
- Progress on the Deck Preservation Resource Guide has slowed down but we plan to wrap this up in a couple of months.

b. National BMS

- No recent updates. Group has not met in the last couple of months.

c. National Coatings

- Jeff Pouliotte discussed that working group meeting is coming up. Duplex coating research project is coming to fruition and a presentation will be provided soon. Coating warranties research project is moving forward through Florida DOT.

d. National Working Group for Preservation Construction Quality

- John Hooks noted that the working group is revisiting scope.

e. Deck Chloride Levels

- John Hooks discussed that there has not been recent work in this group. This group could be removed from the list for future reports.

f. Outreach to Local Agencies

- Gregg Freeman discussed that the working group is looking for opportunities for follow-up training. Looking for product demos for local agencies through the ITD working group.

- Gregg discussed that the group is followup from the last survey on case studies.
- g. Outreach and Communication
 - Lorella Angelini shared that the Linked-In company page for AASHTO TSP-2 has been created.
 - Dick Dunne discussed that this working group is looking for content to post to this working group. If there are suggestions for content, please send to Dick, Lorella, or David Miller.
 - Lorella discussed that the page is looking for followers.
- h. Industry Technology Demonstration Program (ITD)
 - Greg Heilman discussed that the links on the ITD page provide links with final reports to potential users.
 - Group is working closely with local outreach on increasing awareness and ITD product use.
- i. Bridge Inspection Program Manager – Inspection reports
 - Tim discussed that in the last meeting each state discussed processes and different approaches to addressing critical findings.
- 7. Treasury: \$43,590.36 as of December 31, 2020. Darlene noted that there have not been any changes because the committed \$2,500 for the deck sealing research has not been deducted from the account.
- 8. Next Monthly Meetings
 - a. Monthly Meeting: July 7, 2021, 10:00 a.m. EST
 - b. Conference planning meetings: June 15, 10:00 a.m. EST
- 9. 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

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*