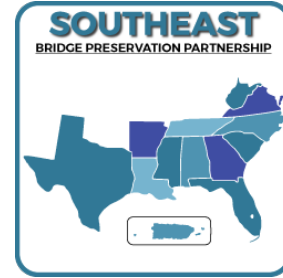


Southeast Bridge Preservation Partnership



November 1, 2023 – Teleconference Minutes 9:00 AM – 10:00 AM CST

<https://global.gotomeeting.com/join/576346069>

1. Roll Call

Aaron Immel, Al Kenz, Amir Rezvani, Andy Nanneman, Angelo Santos, Blake Liberati, Bouzid Choubane, Bradley Mistich LADOTD, Brian Johnson, Brian Mintz, Bruno Vasconcelos, Bryan Loflin, David Miller, Diana Hellman, Dick Dunne, GPI, Drew Garceau (Collins Engineers), Edward Liberati, Eric, Farokh Mehr, Felix Padilla, Haylye Brown, Heather Deare, Howard Gotschall, Joe Starkey, Kevin Weston - ARDOT, Kristian Fontanilla, Kyle, Lloyd Pearson, Nancy Huether, Neal Terry, Nick Pierce, Nick Reboux, Patrick Martens, Raj Ailaney, Stacey Cleary, Stantec - Thomas Dudeck, Steven Austin, Tim Sherrill, Tim Woolery, Todd Shields, Whitney Isola, Whitney Isola, Ivan Lasa, ping lu,

2. Approval of October 2023 meeting minutes

a. No Vote

3. Technical Presentation & Roundtable Discussion

- a. Digital Twins in Bridge Inspection: Harnessing LiDAR, Photogrammetry, and AI for Accuracy - Kristian Fontanilla, CTO of Lumina Lidar
 - i. AI Software stitches photos (FIPAS – FUJI Film). Cracks, spalling and efflorescence can be detected and quantified. Crack widths and lengths. It can export excel and CADD files.
 - ii. Working with Connecticut DOT. Amy Stula and Gregory Funk
 - iii. Luminar Lidar stores the RAW Data not the client.
 - iv. States are considering as a tool to enhance but have not replaced inspections with it yet.

- b. Roundtable discussion on state and industry perspective on digital twins in bridge inspection.
- 4. Recent and Upcoming Related Meetings
 - a. October 17-19, 2023 – MWBPP (Deadwood, SD)
 - i. Haylye Brown commented on notable presentations:
Research on effects of pack-out corrosion on steel members, it could take 10 years for section loss to reach levels of concern. Presentation on in-house crews using UHPC to build bridges, one or two spans. Using ArcGIS for asset management. Rehab of Keystone Wye (Timber Arch). Deck rehab presentations. Culvert lining methods. Performance Evaluation of elastomeric bearing pads (walking could be caused by using a wrong coefficient of friction).
 - b. September 9-13, 2024 National Bridge Preservation Partnership Conference
 - i. Nancy noted that the call for presentations would be out in 2-3 weeks. Planning group has a list of topics. The theme is: Innovation for infrastructure resiliency. Session Topics being considered are: MOT, Safety, preservation from the contractor perspective, Retrofits.
 - ii. SEBPP Contribution to Best Regional Partnership Presentations
 - 1. Preservation of I-26 Green River in Western NC – John Sloan, AECOM. Maybe a co-presentation with NCDOT staff.
 - 2. Deteriorated Steel and Timber Piles – Graham Bettis, TXDOT
- 5. Possible Upcoming Technical Presentations or Roundtable Topic
 - a. Resilience
 - b. Job Order Contracting in LADOTD
 - i. LADOTD doing a peer exchange in December therefore LADOTD could report on the discussions in January.
 - c. ICRI – concrete repairs

6. Working Group Updates
 - a. National Deck
 - b. National BMS
 - c. National Coatings
 - d. National Working Group for Preservation Construction Quality
 - e. Outreach to Local Agencies
 - f. Outreach and Communication
 - g. Industry Technology Demonstration Program (ITD)
 - h. Bridge Inspection Program Managers
7. Treasury: \$102,173 as of July 27, 2023
8. Other New Business
9. Next Monthly Meetings
 - a. Monthly Meeting: December 6, 2023
 - b. SEBPP Planning Meeting: November 14, 2023 at 10:00 am CST
 - c. National Conference planning meeting: November 20, 2023, 1:00 p.m. CST
10. Adjourn