

MINUTES:

DRAFT

When: Wednesday, May 3, 2023 11:00 – 12:00 PM (PDT)

Where: Web-conference

I. There were 31 attendees to the WBPP regional web meeting. Attendees included:

Andrew Pack – Idaho DOT
Becky Nix – Utah DOT
Benoit Cordoba – Wyoming DOT
Brandon Henning – Nevada DOT
Carl Hendricks – Watcom County Washington
Chase Hulon
Cody Parker – Utah DOT
Courtney Shepard
Darlene Lane – NCPP
Dick Dunn – GPI
Enamul Hoque – Arizona DOT
George Hearn – University of Colorado
Gregg Freeman – Kwikbond
Greg Heilman – Jet Filter System
Greg Nault – Holcim
Greg Seipel
John Henry Waugh – Washington DOT
Kirsten A- City of Grand Junction
Leah Milcarek – Utah DOT
Nancy Huether - NCPP
Rafael Davis – Arizona DOT
Raj Ailaney – FHWA HQ
Richard Dunne - GPI
Rob Hale – Evonik
Roman Peralta – Washington DOT
Scott Fowler - SSICM
Thad Pinkerton – Utah DOT
Tim Woolery – Advanced Chemical Technologies
Todd Shields – NCPP
Tom Collins – Collins Engineers, Inc.
Travis Kinney - David Evans and Associates
Winn Darden - Winn Darden ACG Chemicals

II. Welcome/Introductions

Brandon welcomes everyone, takes roll call, and moves to accept minutes from the April meeting. There are no objections and minutes are accepted.

Nancy Huether discusses September 2024 national meeting. Thank you UDOT for hosting and assisting the national meeting. It will be at the Grand America Hotel in Salt Lake City Utah from September 10 through 13. There will be an outdoor demo area close to the venue. We'll have about 3 concurrent sessions. If you have ideas let Nancy know. We're in the process of getting the save to date flyer ready.

Becky Nix says we were really excited to host this in Utah.

III. Working Group Updates

Local Agency Outreach – Gregg Freeman and Travis Kinney

Gregg says Dave Juntunen was on from Mott MacDonald gave an informative perspective on helping locals put together asset management planning. This was geared towards large size and local agencies with dedicated funds and staff to organize that type of effort. They're looking for someone to help doing something similar for smaller agencies.

Travis says the initiatives for their group revolve around asset management piece. Still keeping an eye out for VIP planning grants seeing if there is a local agency to partner with to go after those funds for more of an asset management development piece.

Bridge Deck Preservation – Nancy Huether

Have received and are commenting on the final report for the sealer synthesis study.

Bridge Inspection - Brandon Henning

No meeting last month.

Innovative Technology Demonstrations (ITD) - Andrew Pack

We got updates from different products that are part of the program. Geocom that does bridge monitoring trying to get things together with Minnesota, Alchemco waterproofings get something together with New York. Dropped one product that we haven't heard from in a while. Waiting on updates from yearly inspections. Had a report from the southeast and western preservation yearly meetings. Had feedback to get more owners involved with the program. Had a presentation on a new possible product.

Bridge Preservation BMS

No one available to discuss.

Construction Quality of Bridge Preservation – Dick Dunn

Working on white papers for quality of deck overlays. Discussed importance of hydro demo surface and getting under top mat of bar without blowing through good concrete. Thinking to put together a tech note on this subject for recommended practices. There are a variety of different folks and different machines out there doing hydro demo.

Bridge Preservation Coatings – Nancy Huether

Looking for good time to set up monthly meetings.

IV. Technical Session – George Hearn, University of Colorado

Presents AASHTO Guide to Preservation of Highway Bridge Decks.

George says they produced two guides. The bridge preservation actions and deck preservation guide. They worked with T9 to develop the guides. NCHRP funded the guides.

The project started in 2015. The deck guide was published in January 2023. This guide mostly covers steel reinforced concrete decks because that's what most owners are interested in. 96% of NBI deck area is steel reinforced concrete. The guide has some content on timber decks and steel grid decks but it's minimal. This guide is for decks in service.

The deck preservation guide has 5 sections and three appendices. SECTION 1: INTRODUCTION, SECTION 2: PRESERVATION TREATMENTS FOR BRIDGE DECKS, SECTION 3: EVALUATION OF BRIDGE DECKS, SECTION 4: SELECTING PRESERVATION TREATMENTS FOR BRIDGE DECKS, SECTION 5: COSTS AND BENEFITS OF DECK PRESERVATION, APPENDIX A: PRESERVATION TREATMENTS FOR HIGHWAY BRIDGE DECKS, APPENDIX B: DEFECTS IN HIGHWAY BRIDGE DECKS, APPENDIX C: SELECTION OF PRESERVATION TREATMENTS FOR BRIDGE DECKS

George states the AASHTO definition for bridge preservation as “Actions or strategies that prevent, delay or reduce deterioration of bridges or bridge elements, restore the function of existing bridges, keep bridges in good condition and extend bridge life. Preservation actions can be preventive or condition driven.” George relates the guides to this definition. Preservation actions in the guide include surfacing, crack sealants, repairs of spalls, deck overlays for a total of 18 preservation treatments. The guide relates conditions to actions. It relates bridge element information to the actions. Deck preparation is addressed in the guide. Discusses test sections. Discusses worker safety. It has examples for conditions required to choose the preservation action. It has present value costs and benefits. There will be follow-up workshops on the two guides this year or next year.

Q&A

Dick Dunn – You show superscripts in the deck perpetration tables?

George Hearn – Footnotes provide clarification. Some footnotes refer you to an applicable article. One is about curing time varying based on temperature. Another states it's important to remove weakened and contaminated concrete.

Dick Dunn – Does guide talk about what to do with reinforcing steel, when to engage? Epoxy coating?

George Hearn – Yes it does, I'll touch on three areas. If bar is partially exposed it discussed when is it great enough to remove the concrete. Depth of penetration of corrosion is there loss of section and when should bars be overlapped and what additional concrete removal is necessary. It recommends to repair damage to epoxy coating bar.

Brandon Henning – Will the workshops be online or in person?

George Hearn – They will be in person workshops. It will be like a WBPP meeting. Will also be web-based materials. Will have slides, someone talking and exercises. Will be an executive session.

V. **New Business:**

Presentations are up from the 2023 WBPP annual conference in New Mexico.

VI. **Administrative items/ New Business/ Current Budget/ Travel/ Future Meeting Locations**

WBPP Directorship:

- Steering Committee Directors (per the By-Laws):
 - Current
 - (4) State: Brandon Henning, Natasha Butler, Cody Parker, Andrew Pack
 - (1) Local: Carl Hendricks
 - (1) Academia: Chris Higgins
 - (2) Industry: Matt Harlan, (Vacant)
 - (1) At-Large: Vacant
 - (1) FHWA: Chris Long
- Officers:
 - Chair: Brandon Henning
 - State Vice Chair: Natasha Butler
 - Industry Vice Chair: Matt Harlan (3-year term)
 - Sec/Tres: Cody Parker

(per the By-Laws: State Agency Officers move up after serving 1-year term in that position)

Adjourn

Next Web Meeting: June 7th, 2023 11:00 AM PDT