

MINUTES:

DRAFT

When: Wednesday, February 2, 2022 11:00 – 12:00 PM (PDT)

Where: Web-conference

I. There were 33 attendees to the WBPP regional web meeting. Attendees included:

Amir Rezvani – Infratek Solutions Inc.
Andrew Blower – Oregon DOT
Andrew Pack – Idaho DOT
Becky Nix – Utah DOT
Benoit Cordoba – Wyoming DOT
Brandon Henning – Nevada DOT
Chris Davis – Structural Technologies
Chris Higgins - Oregon State University
Chris Keegan - NCPP
Chris Long – FHWA CA
Cody Parker – Utah DOT
David Dobson – OR
Darlene Lane – NCPP
Diana Hellman – Fujifilm
Don Edwards - Sika
Drew Garceau – Collins Engineers, Inc
Eri Vokshi – Sika
Greg Heilman
Gregg Freeman
Herb McDowell – Idaho DOT
Lorella Angelini – Angelini Consulting Services, LLC
Marcel Rey – StressHead Ltd
Mark Libby – HDR
Martin Anderson – Moffatt & Nichol
Mitzi McIntyre – CTS Cement
Nancy Huether - NCPP
Natasha Butler – CDOT
Nate Proffitt – Engineering Operations
Paul Jensen
Raj Ailaney
Richard Dunne – GPI
Roman Peralta – WSDOT
Travis Kinney – David Evans and Associates

II. Welcome/Introductions

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

III. Working Group Updates

Local Agency Outreach – Travis Kinney

Training in Iowa went well – had about 75 attendees. Upcoming training in Arkansas on February 8th. The first submittal for a follow-up training has been presented. The topic is subservice drainage. The working group provided feedback and revisions will be made before final presentation.

Bridge Deck Preservation – Andrew Blower/Chris Keegan

Western Bridge does not have a champion for this working group but has contributed funding. The group is working to publish the initial document research for the effort. They are also looking at the database and will be reaching out to industry members to update the database.

Bridge Inspection – Brandon Henning

Kick-off meeting on January 24th had good attendance. Discussed how inspections are handled in each state as well as topic ideas for upcoming meetings. Looking for representatives from Montana, New Mexico, and Wyoming to join the group.

WBPP Bridge Inspection Working Group

12:00 PM to 1:00 PM 02/28/2022. (UTC-05:00) Eastern Time

<https://global.gotomeeting.com/join/601497181>

IV. Technical Presentation - External Post Tensioning of Structures Using CFRP Composites - Eri Vokshi and Marcel Rey

External post-tensioning of structures is a well-established and understood strengthening method for bridges, buildings, and industrial structures. Fiber reinforced polymers (FRP) are a proven technology for upgrading and strengthening concrete, masonry, timber and steel structures. FRP systems can also be post-tensioned to provide active strengthening. This presentation will describe successful installation of external post-tensioned FRP systems, anchoring methods, and design considerations. Typical applications of this strengthening method include flexural reinforcement, seismic upgrades, change in use, and building alterations.



StressHead DOT
Roadshow_V3.pdf



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resentation-slides.p

Andrew B: With CFRP system being external, are there issues with the system being UV stable?

Marcel: We recommend the same protection as with plastic. If the system is installed under the bridge, we recommend coating it with Sikaguard 670W.

Chris Long: How about Fire Resistance? Any studies on Fire Resistance? Suggestions on providing fire protection (coating/cover) that still allow "visual" inspection.

Marcel: We have installed the system in some high-rise buildings. The system itself is not fire rated. We recommend installing fire protective plates, which can be removed for visual inspection or mortar if visual inspection isn't necessary.

Eri: If fire resistance is a concern, the FRP should be considered sacrificial.

Chris Long: Do you have any cost estimating information?

Marcel: It's difficult to say because it depends on the length. But if you have a specific project in mind, you can send us a sketch and we can provide a rough estimate.

V. **New Business:**

New TSP2 Bridge Preservation Blog dedicated to a conversation with Larry Galehouse.

<https://blog.pavementpreservation.org/2022/02/01/a-conversation-with-larry-galehouse-founder-of-ncpp-and-tsp2/>

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

Looking to move the annual conference to this October, first or second week. Will be sending out a survey for proposed topics.

No budget updates yet, still paying out expenses from December conference.

WBPP Directorship:

- Steering Committee Directors (per the By-Laws):
 - Current
 - (4) State: Andrew Blower, Brandon Henning, Natasha Butler, Cody Parker
 - (1) Local: Carl Hendricks
 - (1) Academia: Chris Higgins
 - (2) Industry: Matt Harlan, Josh Sletten
 - (1) At-Large: Andrew Pack (fill with State Agency)
 - (1) FHWA: Chris Long
- Officers:
 - Proposed: (per the By-Laws: State Agency Officers move up after serving 1 year term in that position)
 - Chair: Andrew Blower
 - State Vice Chair: Brandon Henning
 - Industry Vice Chair: Matt Harlan (3 year term)
 - Sec/Tres: Natasha Butler

Adjourn

March 2nd will be the next web meeting. 11:00 – 12:00 PM (PDT)