



**Midwest Bridge Preservation Partnership**  
Renaissance Hotel – Orlando, Florida  
25 April 2014

*2014 Business Meeting Minutes*

**Friday, 25 April 2014**

To be provided.



## **Northeast Bridge Preservation Partnership**

**Renaissance Hotel – Orlando, Florida**

**25 April 2014**

### *2014 Business Meeting Minutes*

#### **Friday, 25 April 2014**

NEBPP Notes from Orlando –

- Assemble Asset Management Practices in Northeast – National Effort
  - Apparently, FHWA may be already doing that for MAP-21.
- Measure Effectiveness of Bridge Preservation Treatments – Future Working Group or Research
  - This is similar to Dick Dunne’s on-going work but evaluating cycles for treatments and performance measures for each of the treatments.
  - Research Problem Statement 2a: Performance Assessment of Concrete (non-asphaltic) deck overlays for bridge decks. The performance assessment will indicate the following:
    - Life Cycle of Material
    - Field indicators on when to apply material
    - Performance Measures
    -
  - Research Problem Statement 2b: Performance Assessment of Sealers (surface and penetrating) for bridge decks. The performance assessment will indicate the following:
    - Life Cycle of Material
    - Field indicators on when to apply material
    - Performance Measures
    -
  - Research Problem Statement 2c: Performance Assessment of Asphalt Overlays and Membranes for bridge decks. The performance assessment will indicate the following:
    - Life Cycle of Material
    - Field indicators on when to apply material

- Performance Measures
  
- Develop Qualified Products List – Future Working Group or Research
- Develop method of sharing network with other Regions – National Effort
- Develop Best Practices for Scour Countermeasures – Future Working Group
- Develop Synthesis of State Research Done - Research
- Develop Bridge Deterioration Curves – Research
  - Note that Midwest presented some findings from Nebraska. Our group needs to follow-up on this.
- Paint SOW, Cost, Spec, Performance – Future Working Group
  - Assess SEBPP analysis tool.
  - I got a little confused on what Anwar was talking about what the group is doing next during this week's call.
- Load Rating Posting for Peer Exchange – I am not sure if this is what David Fish is leading on.
  - Bridge Preservation Index – Working Group
  - Caltrans presented this during the asset management session of the conference.



## **Southeast Bridge Preservation Partnership**

**Renaissance Hotel  
Orlando, Florida  
21-25 April 2014**

### *2014 Business Meeting Minutes*

#### **Friday, 25 April 2014**

#### **Treasurer's Report**

The treasurer reported a current balance of \$40,065.43.

#### **Election of Officers**

The election resulted in the appointment of the following officers:

Chair	Andy Doyle	Georgia DOT
Vice-Chair (Agency)	Keith Ramsey	Texas DOT
Vice-Chair (Industry)	J.R. Barden	Watson Bowman Acme
Secretary / Treasurer	Dan Muller	North Carolina DOT
Director (Local Agency)	Lisa Henry	City of Orlando, FL
Director (Industry)	Ronald Mondor	TermaRust

#### **Working Groups**

##### **“Bridge Painting”**

We intend to continue this group for the time being, but are seeking to make it a national working group.

##### **“Bridge Preservation Performance Measures”**

We are continuing to hold off this group. However, new PM rulings are expected in the next couple of months, and we will re-examine this group at that time.

**“Migratory Birds and Other Environmental Issues”**

This is a new work group to be chaired by Clayton Bennett, Georgia DOT.

**“Structural Health Monitoring”**

This is a new work group to be chaired by Lee Floyd, South Carolina DOT.

**Old Business**

- a. Website development
- b. Performance Specifications

**New Business**

- a. Upcoming meetings
- b. Discussion of possible research statements

Minutes taken by Andy Doyle, P.E., Georgia Department of Transportation



## Western Bridge Preservation Partnership

Renaissance Hotel – Orlando, Florida

21-25 April 2014

### *2014 Business Meeting Minutes*

#### **Tuesday, 22 April 2014**

The meeting started with self-introductions, followed by the Chairman **Chris Keegan (Washington State DOT)** noting that the purpose of the meeting was to determine the Western Bridge Preservation Partnership's (WBPP's) future direction. **Chris** recognized the work done by **Mike Johnson (California DOT)** with the Deck Matrix, and also with product lifespans.

#### **Committee Structure**

**Chris Keegan** then updated the WBPP's organization:

#### **Officers**

Chris Keegan	Washington State DOT	Chair
Mike Johnson	California DOT	Vice-Chair Agency
Gregg Freeman	Kwik Bond Polymers	Vice-Chair Industry
Bert Hartman	Oregon DOT	Secretary/Treasurer

#### **Directors**

Gregg Freeman	Kwik Bond Polymers	Industry Organization
Bert Hartman	Oregon DOT	State Agency
George Hearn	University of Colorado	Academic
Mike Johnson	California DOT	State Agency
Chris Keegan	Washington State DOT	State Agency
Joshua Sletten	Utah DOT	
Debbie Steiger	Watson Bowman Acme Corp	At-Large
Vacant		Industry Organization
Vacant		State Agency
Mike Shepard	Marion County OR	Local Agency Co-director

Mark Cleaver

Yakima County WA

Local Agency Co-director

**Ex-Officio**

(non-voting)

Domingo Galicinao  
Vacant

FHWA – Hawaii Division

Regional Representative  
Past Chair

**WBPP's Activities**

**Chris Keegan** then reviewed the WBPP's activities during the past four years, noting that he had worked on an Activities Matrix, **Mike Johnson** had led the effort on deck treatments, **Bert Hartman (Oregon DOT)** had worked on qualifying a program for systematic preventative maintenance, and **George Hearn (University of Colorado)** had worked on research. **George Hearn** told the group that many states had not responded to his survey, while **Chris Keegan** noted that the Midwest Bridge Preservation Partnership (MWBPP) had had a better response rate to their survey, and that perhaps the WBPP should use TSP•2 and the "Survey Monkey" to improve its response rate.

**WBPP's Goals**

The WBPP's goals this week were to recruit new volunteers, select projects to work on, and find volunteers to develop an agenda for the 2015 meeting in Oregon. The WBPP wanted to align its activities with SCOBS, T-9, SCOM, BPETG, TRB, AHD-37, and the other partnerships.

The group discussed the need to develop a preservation action schedule and the ongoing NCHRP 14-23 "*Practical Bridge Preservation Actions and Investment Strategies*" was mentioned as a possible source of information.

**Priorities**

The group also wanted to focus on higher priority elements, specifically joints, and the removal of debris on steel bridges. They also wanted to become a clearing house for new technology, materials, and techniques. Using the TSP•2 website, states could make comments, and such comments needed to be carefully considered and thoroughly reviewed. Construction defects could contribute to a product's unsatisfactory performance.

The group noted that **Jeff Milton (Virginia DOT)** was leading the effort to coordinate research topics, and it saw a need to learn what activities were being undertaken by T-9 and other groups, and endorse efforts that the WBPP could support.

**State Needs**

"What do the states need?"

**Mike Johnson** wanted volunteers for bridge decks and 25 people had volunteered. Deck seal information had been published and information on overlays was close to being published. The next project would be patch products. The group wanted to develop a library of state specifications and needed a volunteer to collect the specifications. They were seeking training videos – what goes wrong with the final product? Often, when

something in the field is not working, there is a tendency to blame contractors. Sometimes, when the work is done at night, it can be difficult to obtain the necessary documentation.

The group saw a need to broaden the Product Matrix to include the rest of the country. The Northeast Bridge Preservation Partnership (NEBPP) also had a matrix but the matrices did not always contain the same products – was there a good reason for using different products?

There had already been quite a bit of deck research and this needed to be compiled and centralized. TSP•2 had a list of hundreds of items and the group needed to identify the most relevant. **Travis Kinney (Oregon)** volunteered to add a column for Research in the deck preservation matrix. **Mike Johnson** said that the research information should be centralized, categorized, and searchable. The TSP•2 site should be upgraded. Industry needed to be the contacts for their products.

**George Hearn** needed to have the group's participation. He had the group's names and needed responses. **Gregg Freeman (Kwik Bond Polymers)** had many specifications and research reports that he could send to **George Hearn**. Perhaps FHWA could fund the training videos? The group should ask, knowing that if funds were awarded, there would be a time limit for their use.

**Richard Pratt (Alaska DOT)** mentioned the need to conduct research upon which decisions could be based. For example, a particular membrane may appear suitable for a particular application, but lack research validation. There is a tendency to use anecdotal information instead of conducting the research that could more accurately identify the benefits. There is a need to know what lifespan and cost benefits could be expected. Some states had different use-rates of saline on all decks, and some states did not use it. What is the correct answer? **Mike Johnson** noted that there was experience indicating that not doing treatments produced bad results. There may not be an example of long term effects. **Richard Pratt** then noted that another example was painting – Alaska did not spot paint.

**Jay Couture (Agile Assets)** saw a need to validate research data management. **David Leggett (California Public Utilities Commission)** said that while there was a general consensus on how to design and rate, and a necessity for maintenance, it was unclear how should testing beyond maintenance should be accomplished. When should a major rehabilitation or replacement be undertaken? **Jay** noted that risk needed to be considered and prioritized. The group was not prepared or ready to inform their legislatures what specific work should be funded. This could be a national issue and the group could start to identify and address it. **Travis Kinney** noted that regional characteristics could inhibit a national solution.

The meeting ended with a note that the group would need volunteers on Friday to spread out the work. Also on Friday, there will be a need to make work choices and have elections. **Dan Uldall (Kwik Bond Polymers)** volunteered “as needed” to assist the efforts of the WBPP.



**Friday, 25 April 2014**

**Opening**

After volunteering to remain as Chairman for at least one more year, **Chris Keegan** provided the following list of the WBPP’s meetings:

- 2010 Sacramento – Getting started
- 2011 St Louis – National Meeting
- 2012 Vancouver – Qualifying for federal funds, activities matrix, peer exchange
- 2013 San Diego – Committee reports, peer exchange
- 2014 Orlando – Deck matrix
- 2015 Portland
- 2016 Alaska (Juneau) or Utah

**Chris** also reminded the group of the monthly tele-conference call on the 1st Wednesday of the month at 11 am Pacific time.

**Treasurer’s Report (Event Income and Expenses)**

**Bert Hartman** reported the following financial summary for the WBPP Meeting.

<b>Opening Balance</b>		<b>\$42,888.96</b>
<b>Revenues</b>		
2013 Meeting Net Income	-\$8,747.84	
Total Revenues	-\$8,747.84	
<b>Expenses</b>		
2013 SCOM R&T (Keegan)	\$2,133.70	
Total Expenses	\$2,133.70	
<b>Closing Balance</b>		<b>\$32,007.42</b>

**Chris Keegan** noted that the Pacific Northwest Bridge Maintenance Conference had sent two representatives from local agencies, but that **Domingo Galicinao (FHWA – Hawaii)**, who had been active initially, had not been active recently. **Chris** volunteered to contact **Domingo**.

**Election**

The group first voted unanimously to suspend the rule on the term limit for the Chairman. The group then voted to retain the current officers in their same positions.

**Committee Items**

The group heard / acted on the following items:

- **Mike Johnson** received help for the Deck Committee and had reached out to other partnerships.
- **Chris Hardan (Montana DOT)** volunteered to help “as needed”.
- **Travis Kinney** was volunteered to take over the Bridge Preservation Matrix.
- **Jay Couture** volunteered to help “as needed” and will assist in developing the agenda for the 2015 meeting in Oregon.

- **George Hearn** volunteered to use “Survey Monkey” to determine what products were being applied to test sections.
- **Dan Uldall** volunteered to help George Hearn with Research Committee items.
- **Bert Hartman** volunteered to assist with the agenda for the 2015 meeting in Oregon and help line up presentations.

The TSP•2 was prepared to act as a clearing house for product comments, but the group felt there could be legal implications from decisions to include or not include certain products, and also issues related to comments. Perhaps all comments should have a disclaimer, and also include the identity of the state making the comments.

The Bridge Preservation Matrix lists the states that do specific types of preservation. The group felt a need to add the state contact names and any state research that was accomplished, after which the information could be provided to the TSP•2 for posting on the website. This information, including contact names, would need to be updated annually.

**Bruce Thill (Washington State DOT)** offered to lead the group’s efforts related to joints, depending on the results of a phone call from **Chris Keegan** to DeWayne Wilson. **Debbie Steiger (Watson Bowman Acme)** and **Wally Smith (Crafco)** also volunteered to help with the effort on joints. **Dan Uldall** offered to help as needed in supporting the WBPP’s efforts.

**Chris Keegan** committed to share Washington State’s experience with the use of borate rods used to prevent / slow timber decay. He will also share information on the costs and materials associated with bridge washing, and inform the WBPP on progress to arrest cracks.

All meeting PowerPoint presentations will be posted at [www.tsp2.org/region/western-bridge-preservation-partnership](http://www.tsp2.org/region/western-bridge-preservation-partnership), and meeting videos will be obtainable by accessing the above web address and following the link.