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## TSP-2 Bridge National Working Groups

# *“The Pulse of the Bridge Partnerships”*

AASHTO COBS T-9 Bridge Preservation Technical Committee

June 2019

Ed Welch, TSP-2 Bridge Preservation Engineer

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MICHIGAN STATE  
UNIVERSITY



# TSP-2 Working Groups

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- There are 4 Regional Partnerships under the TSP-2 NBPP: NEBPP, SEBPP, MWBPP and WBPP.
- Regional Partnership Working Groups are formed when areas of concern are identified and Group Leaders are appointed.
- National Working Groups are formed when all four Partnerships have similar concerns.
- Deliverables are generated: Tools, Guides, Scans and Research.
- There are eight National Working Groups.



# Chloride Testing WG

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- A new Chloride Testing Working Group (WG) has been formed under new Chair Travis Kinney of Oregon DOT.
- The Working Group has had regular calls with excellent discussions.
- They are currently developing a Chloride Testing Guide.
- The WG Plans to have a final draft available for presentation at the Regional TSP-2 Fall Meeting.



# Chloride Testing WG

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- The Guide will outline best practices for bridge deck chloride sampling, and will include:
  - A background in chloride sampling and testing.
  - How to develop a system level chloride sampling program.
  - Project level sampling, testing and best practices.
  - How to use test results to identify future bridge needs.
- The Guide will be a product of the TSP-2 Program and may be offered to AASHTO for approval, or as an outline for further research.
- Presentations will be made at Regional TSP-2 Partnership Meetings and other related venues.



# National Coatings WG

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- The WG was the first National Working Group to be formed.
- Jeff Pouliotte of FDOT has been the Chair since its formation in 2012 as the SEBPP WG.
- In 2014 it became a National Working Group.
- The WG has generated a *Decision Making Tool* for Coatings Actions, White Papers, and successfully promoted NCHRP Research and a Domestic Scan.



# National Coatings WG Current Initiatives

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- NCHRP Project “Effective Use of Duplex Coating Systems to improve Steel Bridge Structure Durability”.
- Review the “FHWA Bridge Preservation Expert Task Group (BPETG) Pocket Guide”.
- Review of “NSBA Galvanizing Specification”.
- Tracking, supporting, participation, and liaison with other AASHTO and Industry Groups.
- Proposed NCHRP Project “Steel Bridge Coating and Recoating Warranty Contract Research Proposal”.



# Social Media WG

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- The Social Media WG remains proactive.
- Chair John Bunderson of Metal Fatigue Solutions has stepped down, and the WG is in the process of looking for a new Chair.
- Present initiatives include posting Blogs, broadening Blog parameters, expanding Facebook posts, and developing a LISTSERV for expanded communications specific to bridge preservation.
- The WG will also be looking for input to help update and promote the use of the TSP-2 Website.



# Innovative Technology Demonstrations WG

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- The Industry Technology Demonstration WG is reorganizing, and has changed its name to the Innovative Technology Demonstrations WG.
- The new Chair is Brian Mintz of the Phoscrete Corporation.
- The WG is communicating the value and credibility of product demonstrations with Consultant Overview.
- The WG is promoting more Industry and State demonstrations, and looking to upgrade from a Pilot Program to a Full Program.
- The WG needs more State and Industry participation for a broader perspective.





# Deck Preservation WG

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- The WG is reorganizing to incorporate a broader outlook for Bridge Deck needs.
- The new Chair is Steve Austin of TXDOT.
- The Bridge Deck Product and Technology Database promotes State participation and new approaches to develop & populate the Database.
- The WG has developed a survey to help promote States buy-in, and help the WG move forward in making this a useful tool for practitioners.
- This Database is included in the Bridge Portal Project.
- This is an Iowa DOT Pooled Fund project.



# Local Agency Outreach WG

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- Travis Kinney of Oregon DOT, and Greg Freeman of Kwik Bond Polymers are Co-Chairs of the WG.
- The WG is developing training modules for Local Agencies: “Bridge Preservation Activities” and “An Overview into the Importance of Bridge Preservation as part of an Asset Management Program”.
- Set up presentations for Local Agencies in coordination with Local FHWA, LTAP, NACE, and State Representatives.
- Promote development of BPETG Pocket Guides at Regional Partnership Meetings as well as other LTAP, NACE, and other relevant conferences.
- Local Agency participation is a new frontier.



# Preservation Construction Quality WG

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- Dick Dunne, John Hooks and Nancy Huether are sharing Chair responsibilities for the new Preservation Construction Quality WG.
- There are concerns around the country about the poor quality construction that states are experiencing on smaller Preservation contracts.
- The goal is to share successes and failures, promote training, promote the use of training certifications, and improved specifications.
- State and Industry representatives will identify specific areas of concern.
- The WG is in the process of developing a short introductory survey to poll States for their concerns.



# BMS WG

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- The WG has defined their Objectives and developed a white paper that defines a “*Tiered Approach*” (Basic, Intermediate & Advanced) for Bridge Management Systems (BMS).
- The Chair of this WG is Dan Muller of the NCDOT.
- The WG is also considering the Local Agency Perspective.
- Also, MWBPP Regional Deterioration Modeling WG Chair Bill Oliva of the Wisconsin DOT, has promoted Wisconsin's Pooled Study for Bridge Element Deterioration Modeling for Midwest States.



# 2019 Regional Bridge Meetings

- **SEBPP: April 16-18, Baton Rouge, LA**
- **WBPP: May 14-16, Reno, NV**
- **NEBPP: September 9-11, Burlington, VT**
- **MWBPP: October 15-17, Bismarck, ND**

[tsp2.org](http://tsp2.org)



# QUESTIONS: