

TSP-2/Bridge Update

Then, Now & What's Next

Northeast Bridge Preservation Partnership

September 11th, 2015

Ed Welch
NCPP@MSU

The Bridge Partnerships are:

- **New Member Orientation Lunches**
- **Engaged during Peer Exchanges**
- **Showing Industry Virtual Demonstrations**
- **Working on “The New Research Roadmap”**
- **Developing National Working Groups**
- **Including Technical Tours**

What's going on in 2015?



TSP-2
AASHTO
THE VOICE OF TRANSPORTATION

**Transportation System Preservation
Technical Services Program**

Bridge Preservation

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What is Bridge Preservation

Bridge Preservation is "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 their life." Source: AASHTO Board of Directors, Policy Resolution PR-3-11, October 17, 2011.



Midwest
Bridge Preservation Partnership

[MWBPP](#)



Northeast
Bridge Preservation Partnership

[NEBPP](#)



Southeast
Bridge Preservation Partnership

[SEBPP](#)



Western
Bridge Preservation Partnership

[WBPP](#)

National Bridge Industry Members

AASHTO Program Invoices, Receipts, and FHWA's SP&R Waiver Letter



[2014-2015 Program Invoices](#)



[2014-2015 Program Receipts](#)

[FHWA's SP&R Waiver Letter \(.pdf\)](#)

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Upcoming Partnership Meetings

- [2015 SEBPP \[2015-Apr-\(13-15\)\]](#)
- [2015 WBPP \[2015-May-\(18-20\)\]](#)
- [2015 NEBPP \[2015-Sep-\(09-11\)\]](#)
- [2015 MWBPP \[2015-Sep/Oct-\(30-02\)\]](#)

TSP-2 News

Bridge Preservation Blog

Technical Exchange

27 Bridge Working Groups in the Four Regions

Bridge Painting
Deterioration Modeling
Scour
Performance Specification
Outreach to Local Agencies
Deck Treatments
Systematic Preventive Maintenance (SPM)
Bridge Washing
Preservation Matrix
Deck Joint Repair
Beam End Treatments
Deck Overlays and Protection
Bridge Preservation Campaign
Bridge Preservation Research
Communicating the Benefits of Bridge Preservation
Regional Specifications & Product Evaluation Database
Structural Health Monitoring
Corrosion Mitigation

Four National Working Groups:

- National Coatings Working Group
- National Deck Working Group
- National Performance Specifications Working Group
- National Social Media Working Group
 - ✓ Blog
 - ✓ Facebook
 - Twitter
 - ✓ LinkedIn
 - You Tube
 - ✓ TSP-2 Website



**Bridge Preservation
Blog**

Transportation System Preservation Technical Services Program

Bridge Preservation Blog

“A Conversation About Bridge Preservation”

Communicating the Value of Bridge Preservation

Posted on February 23, 2015 by John O'Doherty — No Comments ↓

Author: Ed Welch, NCPP-Bridge Preservation Engineer

Perspective of: Dick Dunne, Director of Structural Engineering services, Michael Baker, Inc.

Dick is the former NJDOT Bridge Engineer and brings both an Owner and Consultant perspective to this topic.

Dick's **Key Points** on Communicating the Value of Bridge Preservation:

1. **Dick's involvement:** Every chance I get, I communicate in general terms with Owners, and fellow Consultants the need for Bridge Preservation.
2. **Looking at both sides:** I feel that with quality based selection of consultant bids for Bridge Preservation Contracts is the answer for better quality of contract documents and project outcome. It captures the real needs of the owner. In other words: You must properly compensate a quality consultant for quality work. Don't consider a Bridge Preservation Contract insignificant. They are the key to the most effective fiscal management.
3. **Today:** TSP2 has made a great start in a short time. NHI Web Based training is an effective option. TRB AHD37 is a great move forward for Bridge Preservation Research. AASHTO SCOM T 8 and SCOM BRTWG are terrific avenues in the bridge community.



TSP.2

Transportation System Preservation Technical Services Program

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2015 Meetings

- **SEBPP: April 13-15, Montgomery AL**
- **WBPP: May 18-20, Portland, OR**
- **SCOM: July 19-22, Des Moines, IA**
- **NEBPP: September 9-11, Manchester, NH**
- **MWBPP: Sept 30 - Oct 2, Kansas City, MO**

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Challenge:

We need to keep the three legs to the
“Bridge Preservation stool” strong:
**TSP-2 (AASHTO), BPETG(FHWA) &
AHD37(TRB)**



AASHTO

TRB

TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

What' Next?

- Get Municipalities & Canadian Provinces Involved.
- Research Projects: Small and Large
- 2016 Meetings: TSP-2, SCOBS, SCOM, TRB, BPETG
- Research Roadmap Support & Development
- What are The Working Groups: Focus Areas
- Bridge or Bridges? **Both**
- **What's Next is up to You! Define and Prioritize your Needs! Then build good "Asks".**

Questions:

- ?
- ?

Thank You