TSP-2/Bridge What's Next

Northeast Bridge Preservation Partnership

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What's going on in 2016?



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7572

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BLOG

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TSP2 Bridge Search

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

Research Library Technical Bridge Special Provisions Legislative Training Events Industry





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

2016 - 2017 PROGRAM INVOICES

2016 - 2017 PROGRAM RECEIPTS

FHWA's SP&R Waiver Letter (.pdf)

NEBPP Research Needs Statements:

- Best Practices for Bridge Decks
- Physical Testing of Joints
- Life Cycle Cost Analysis of Joints
- Stopping Corrosion on Prestressed Strands
- Bridge Preservation Activity
 Documentation

We had Peer Exchanges:

- Preservation of Bridge Decks
- Preservation of Bridge Joints
- Preservation of Bridge Superstructures
- Preservation of Bridge Substructures
- Asset Management Communicating the Value of Bridge Preservation

In Peer Exchanges We:

1.Noted items of the main points of the discussions

2.Noted best practices
3.Recommended action items (need for a Working Group, a new Research Study, a Synthesis of best practices, Regional Specifications, Technical Assistance, TSP2 Website Enhancements)

Preservation of Bridge Decks

- Changes in specifications
- Greater interaction between adjacent state agencies on products & practices.

Preservation of Bridge Joints

- Interaction of departments within an agency is crucial. More communication between Design and Maintenance
- Better performance documentation and feedback to industry to allow for design adjustments. Develop a procedure to do so
- Invent a joint that last longer than the deck.

Preservation of Bridge Superstructures

- Weathering steel Consider appropriate using of weathering steel girders for grade separations & painting segments. research/investigate what is causing deterioration & What researched has been completed
- Reference and share related updates.
- Get more feedback from all states in the Partnership
- Share Prestressed & Post Tensioming Details

Preservation of Bridge Substructures

- Document effectiveness of coatings for preventing/reducing chlorides & concrete damage.
- Develop/define concrete additives to increase chloride resistance
- Develop tests to measure chloride resistance for new or repaired concrete.
- Define the primary factors that drive deterioration of concrete. (Material/ finishing /chlorides/ curing, etc. What are the appropriate repair actions?

Communicating the Value of Bridge Preservation

- **Research:** National data on cost and benefit effectiveness of various approaches /treatments
- Record Keeping: Maintenance Costs: Demonstration of performance of bridge preservation
- Need for **National Database** for Product Evaluation
- Renewal Ratio: Amount Spending/Need to Spend per Year



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
- ✓ LinkedInYou Tube
- ✓ TSP-2 Website

Bridge Preservation Blog

2017 Meetings

- SEBPP: April Charlestown, WV
- WBPP: May 18-20, Denver, CO
- SCOBS: June,
- SCOM: July, RI
- NEBPP: September, NJ
- MWBPP: October,

What' Next?

- Get Municipalities & Canadian Provinces Involved.
- Research Projects: Small and Large
- What are The Working Groups Focus Areas
- Communicating the Value of Bridge Preservation is probably our greatest need.

Questions:



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