

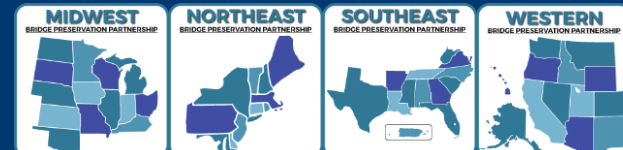
National Bridge Deck Preservation Working Group

Sarah Sondag | Co-Chair | Minnesota DOT

Pat Martens | Co-Chair | Bridge Preservation and Inspection Services

Andy Nanneman | Vice-Chair | Arkansas DOT

Steven Austin | Secretary | Texas DOT



Strategic Plan

Mission

- Develop best practices for bridge decks that extend service life
- Demonstrate value of preservation

Vision

- Identify viable solutions
- Address Challenges

Goals

- Develop guidance documents
- Maintain the product database
- Advance research
- Provide education and outreach

Meetings

- Third Thursday of the month at 1 PM Eastern
- Will change to 11 AM Eastern
- How to join

Accomplishments/Resources

Bridge Deck Flushing and Washing

Description

Bridge deck flushing and washing are performed on bridge deck, joints, and drains. Deck washing involves the application of water at a low pressure, in order to meet agency environmental regulations.

Benefits

Flushing and washing reduce the potential for contaminants to accumulate, which, according to the Bridge Deck Preservation Guide, lead to accelerated deterioration. Bridges that are free of debris are easier to inspect.

Best Practices

- Follow all agency guidelines regarding temperature and time of year restriction
- Be aware of hazardous materials and use appropriate Protective Equipment (PPE)
- Sweep and collect debris from bridge deck after operation.
- Consider flushing or washing around bridge barrier and parapet walls, a splash zone, beam ends, expansion joint panel points, in order to maintain clear drainage.
- Perform flushing or washing every 0.5 to 2 years or as advised by the agency.

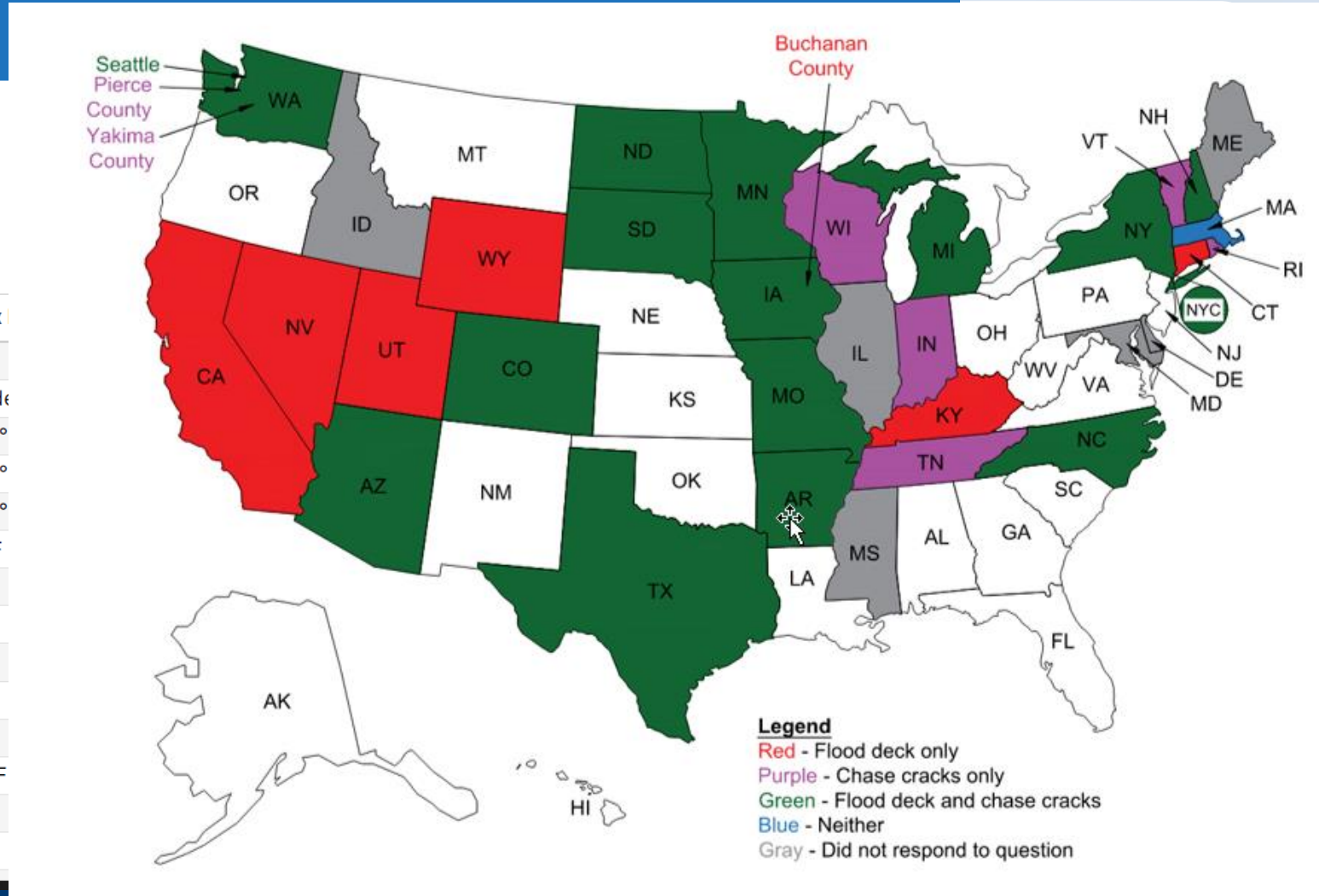
Resources

- [A User's Guide to Bridge Deck Flushing and Washing](#)
- [AASHTO TC3 Training on Bridge Deck Flushing and Washing](#)
- [\(2013\) Standard Practice for Bridge Deck Flushing and Washing including Bridge Bearings and Expansion Joints](#)
- [\(2013\) Evaluation of Bridge Deck Flushing and Washing](#)

Bridge Product Database

Show 25 entries

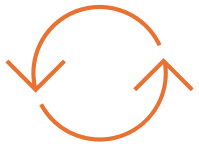
Min Install Temp (°F) ^	Max Install Temp (°F)
45	95
40 degrees	95 degrees
50°F and rising	>95°
60°F	>95°
50°F and rising	>95°
41 F	95 F
0	100
-5°F (when used with Fast-Set Admixture)	
40	105
45	105
40	105
14F	100F
40	90
40	90



Sample Meeting Topics

- Early age cracking
- NCHRP Scan 22-01: Leading Innovations for Concrete Bridge Decks
- Product trial and evaluation tracking
- Complementary deck protection systems (i.e., seal plus overlay)
- Agency project highlights
- Nondestructive evaluation methods, interpretation of data, and utilization for decision-making
- Agency coding of Elements 510 (wearing surface) and 521 (concrete protective coating)
- Corrosion peer exchange results (related to bridge decks)

To Do List



Update
Resource Guide



Advance sealer
research



Update “Decks
& Joints”
Webpage



Identify other
synthesis
topics



Identify and
develop needed
resources

Interactive Activity



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