

2012 - WBPP Meeting

Vancouver, WA

May 10, 2012

Roundtable Discussion



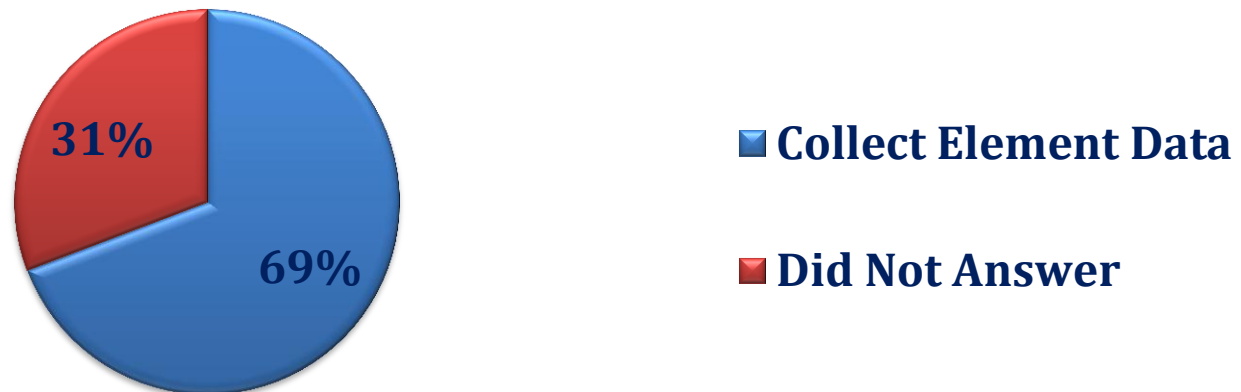
Q1 - Does your agency collect bridge element condition data?

a) If yes, are you using Core Elements or the new AASHTO Elements. How and to what extent is the data being used in your bridge preservation program?

b) With what you have seen so far: shifting from element based condition assessment ratings to the defect condition assessment ratings, do you think it takes more time, about the same, or less time to inspect?

c) If no, how are your bridge preservation needs identified and managed?

Element Data Collection

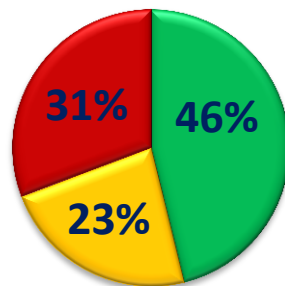


Q2 - How are the bridge preservation (BP) needs funded?

a) Does your state have a separate program for Bridge Preservation activities?

b) What programs(s) are used to fund BP activities?

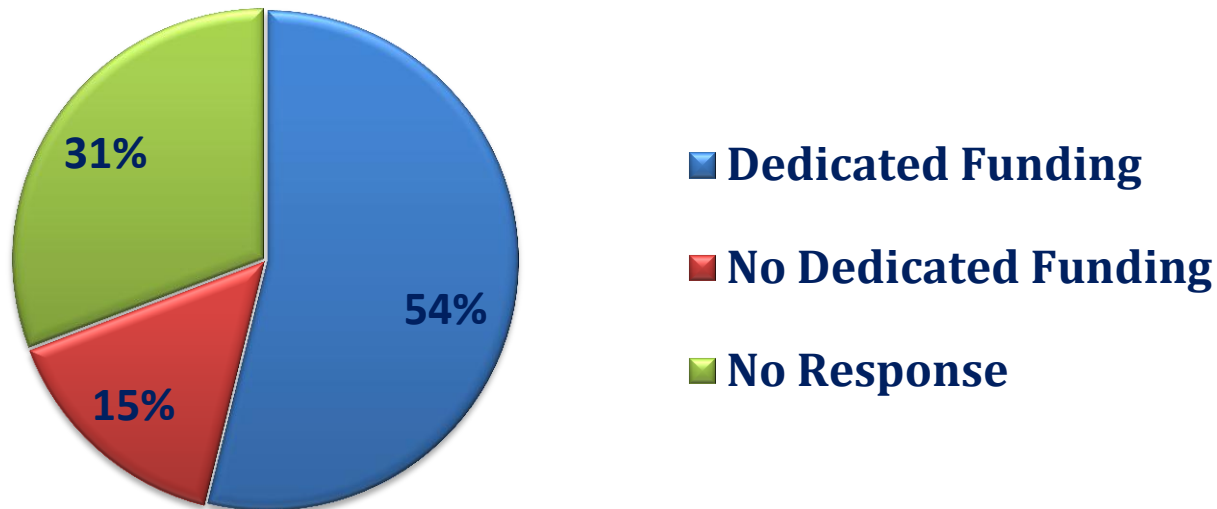
Separate Program for BP Activities



- Yes
- No
- No Response

Q3 – What is the impact of the current funding on your bridge program in general and on your bridge preservation program in particular? Please explain.

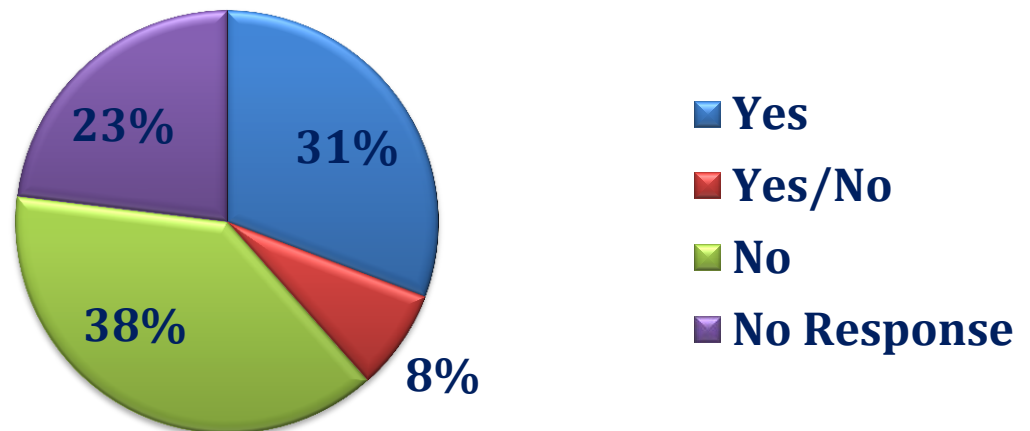
Dedicated BP Funding



Q4 – Does your agency have an approved Systematic Preventive Maintenance process for use of Federal-Aid funds?

- a) If you answered no, has your agency submitted a request to your local FHWA office? What is the status of the request?
- b) If you answered no, does your agency have any plans for pursuing an agreement?
- c) If you answered yes, would you be willing to share a copy of the agreement with others?

Approved Systematic Preventive Maintenance Process



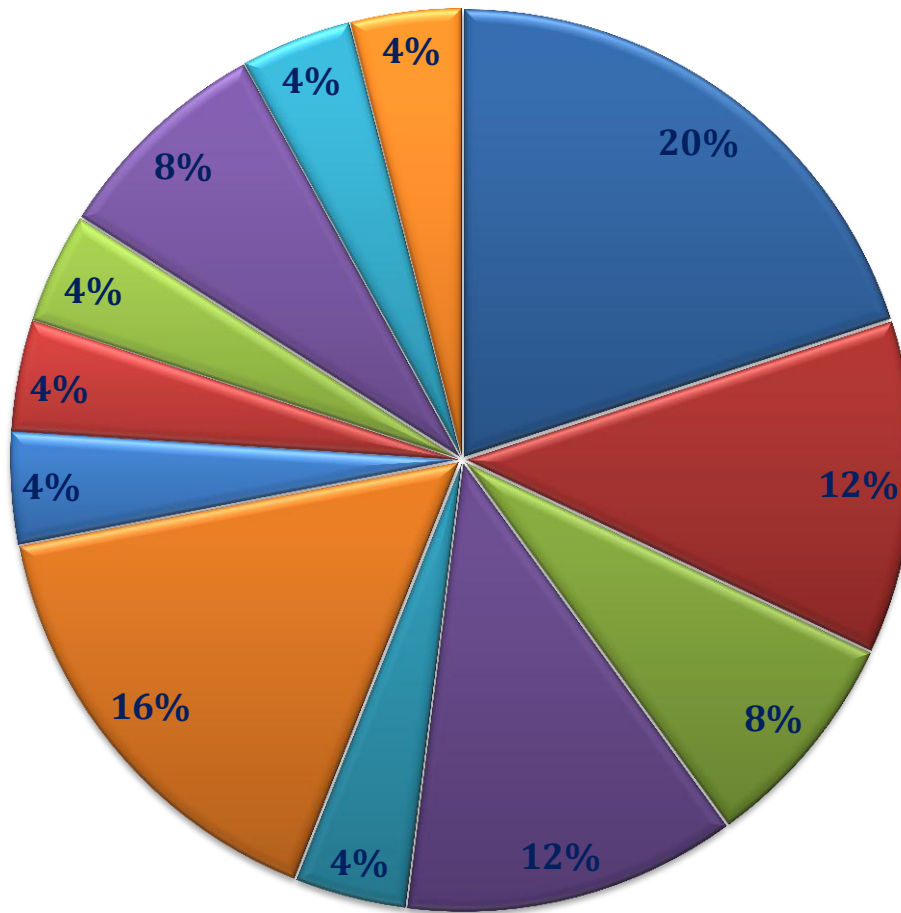
Q5 – Please provide details of the preservation activities performed during the last few years?

a) Deck Overlays – What kind of overlays have you applied?

b) Steel Superstructure Painting – What kind of coating systems have you applied? Show percentages if you use more than one type of system.

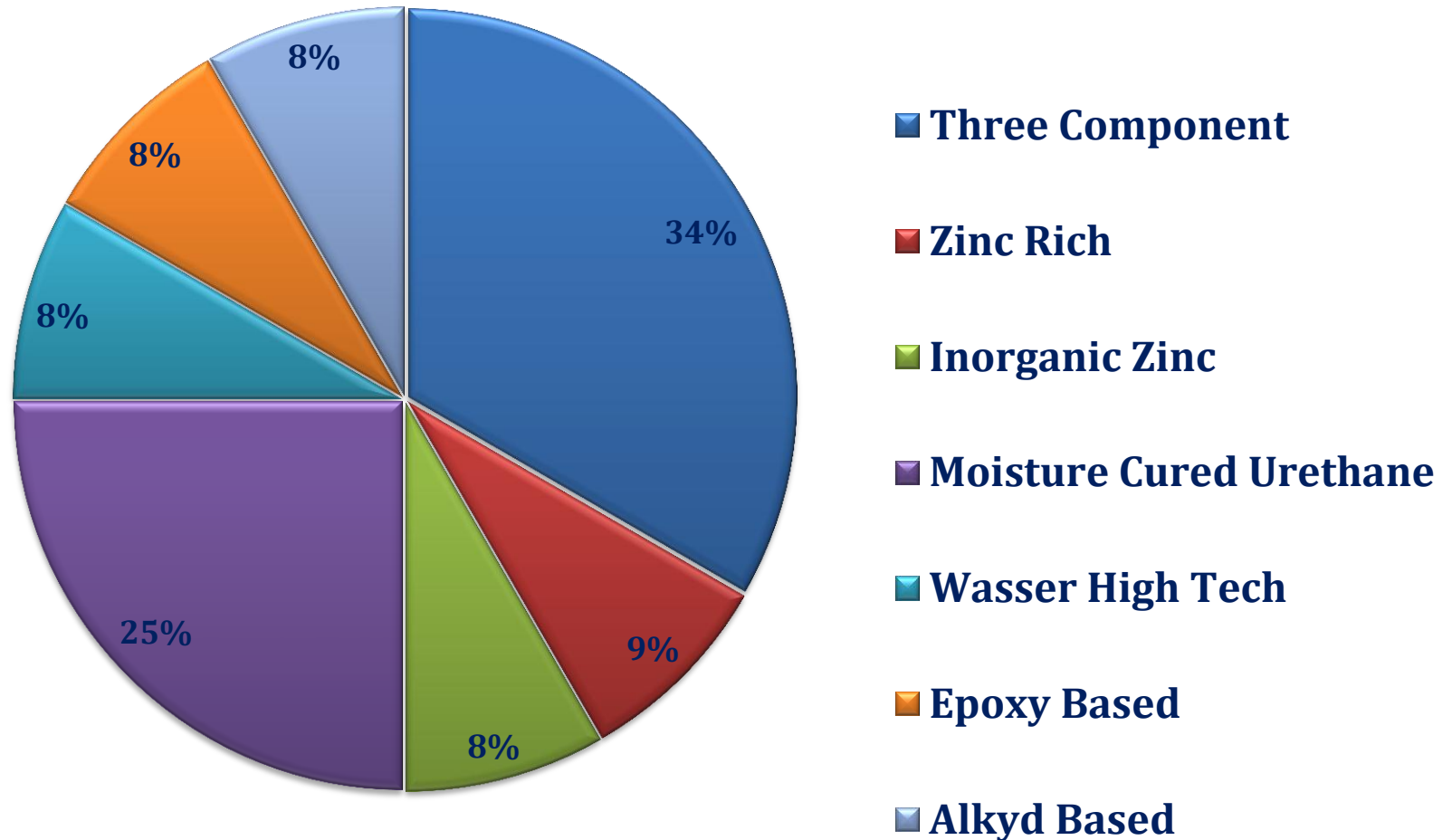
c) Deck Joints – What kind of joint seals do you use for movement ratings less than 1", 1"-3", and over 3"?

States Using Various Types of Deck Overlays

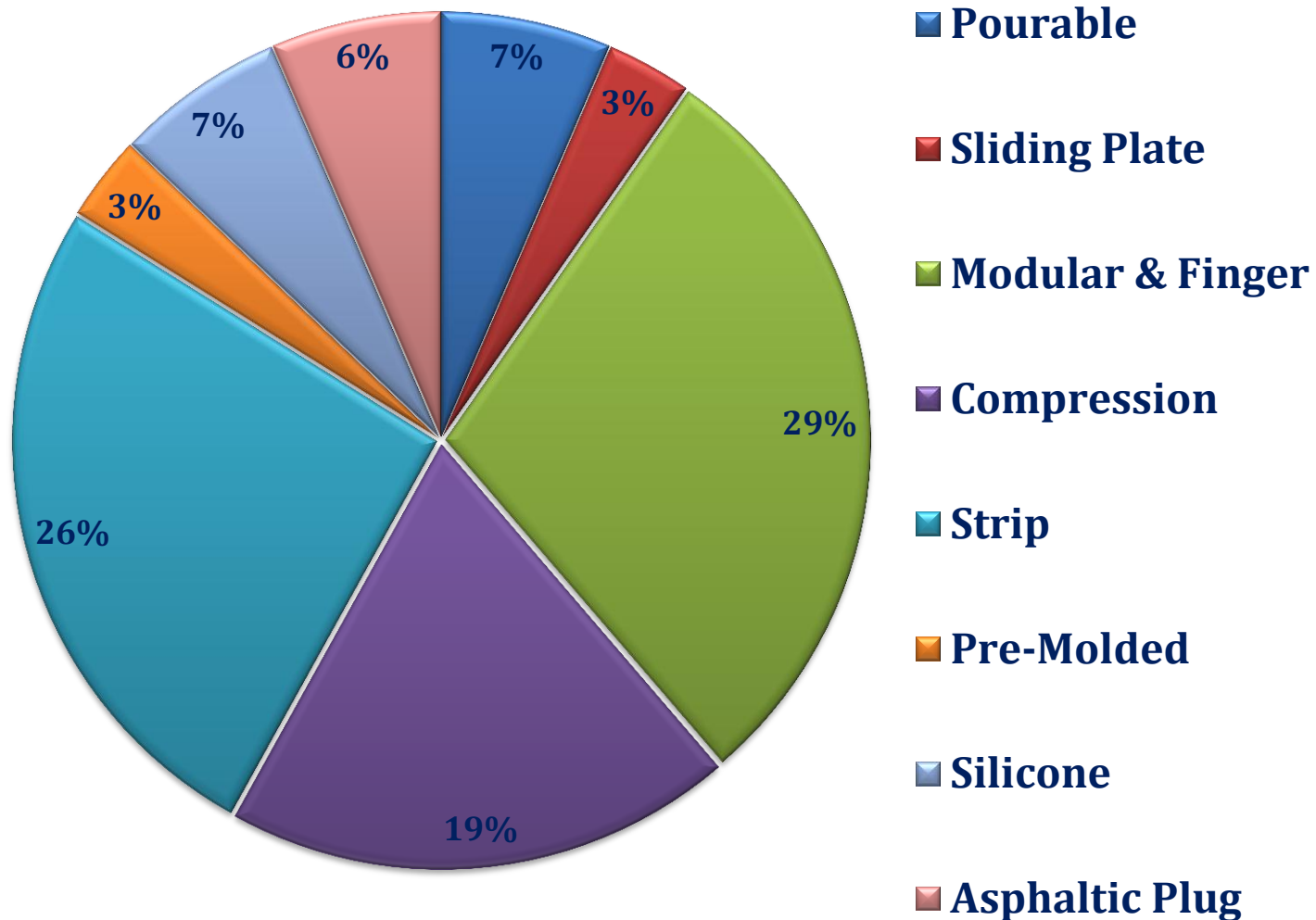


- Polyester
- Polymer
- Asphalt w/Membrane
- Silica Fume Concrete
- Timber Running Plank
- Epoxy
- MMC
- AR-ACFC
- HMA w/o Membrane
- HMA w/Membrane
- Fly Ash Concrete
- Rapid Set Concrete

States Using Various Types of Steel Superstructure Painting



States Using Various Types of Joint Seals



Q6 - In your opinion, what are the top three priorities that you would like to see the WBPP pursue in the future and why?



Suggested Action Items for the WBPP

1. Educate/promote bridge preservation activities to upper management;
2. Develop list of approved preservation activities and request template;
3. Develop and maintain list identifying contacts for preservation activities
4. Continue to work on Systematic Preventive Maintenance Process for use of Federal Aid funds.
5. Continue work on effective repair/rehabilitation method and materials.
6. Advance the cause of bridge preservation program.
7. Deck repairs (rapid set concrete), joint work, scour mitigation
8. Resist the urge to standardize bridge preservation strategies amongst all the states, and appreciate the diversity of different approaches.
9. Learn from past failures and share those experiences with other states.
10. Emphasize innovative approaches and using ingenuity.
11. Consistency – Become an advocate for more consistency in Bridge Management in Bridge Preservation efforts, dealing with FHWA, specifications and other requirements.

Suggested Action Items for the WBPP

12. Simplification – Become an advocate for simplifying and streamlining processes. This is the only forum for Departments to share information on how they deal with bridge preservation processes, whether, these be related to construction practices, FHWA requirements or internal processes.
13. Information Clearinghouse – There is a strong need for shared information and experiences in bridge preservation practices. Being able to know, understand and share these experiences is extremely valuable.
14. Revisit the 9 step systematic process since several of the steps are intuitive. These could be addressed on a nationwide or FHWA level instead of state by state. Reduce the steps to just the critical ones.
15. New AASHTO Elements (sources) - Guide Manual, Use Pontis 5.X, Mike Johnson (he is busy). Need to help guide states in the implementation process.
16. A user's guide to bridge preservation activities to include what should be in a comprehensive bridge preservation program as well as how it should be done.
17. Development of an appropriate data system that collects bridge information at the element level, facilitates managing the bridge program, and helps to justify sufficient funding to do bridge preservation activities.
18. Ways that local agencies are using the AASHTO elements to justify increased funding for bridge preservation.

Suggested Action Items for the WBPP

19. Gathering of information on deck preservation treatments, what works, for how long, and what kind of return on the dollar can we expect.
20. How long will this treatment last and extend the life of our system.
21. Collaboration with the industry to develop standards that we know work.