

FHWA Pavement Preservation Program Appraisals

**AASHTO Subcommittee
on Construction**

San Antonio, TX

August 5, 2008



Pavement Preservation?

- What activities?
- Protect the investment
- Smooth out program

A Nationwide Look

- Appraisal – not review
- Program assistance/ identify trends
- Partnership of DOT and FHWA Division
- Facilitate self-evaluation
- “No risk”
- Conducted by NCPP on behalf of FHWA

Process

- Pre-appraisal information
- Coordinate schedules and bureaus for visit
- Interviews and discussions
- Report / review
- Close-out
- Implementation and results

DOT Program Areas

- Business Process
- Planning and Programming
- Pavement Management Systems
- Preservation Treatments and Project Selection
- Program Implementation
- Performance Monitoring
- Materials and QA
- Training
- Research and Development
- Public and Legislative Relations

Interim Observations

- A recognized need for pavement preservation
- Many agencies in early stage of a preservation program
- Limited or poor experiences with many treatments
- Limited contractor base
- Great need for training and certification.

Observations (continued)

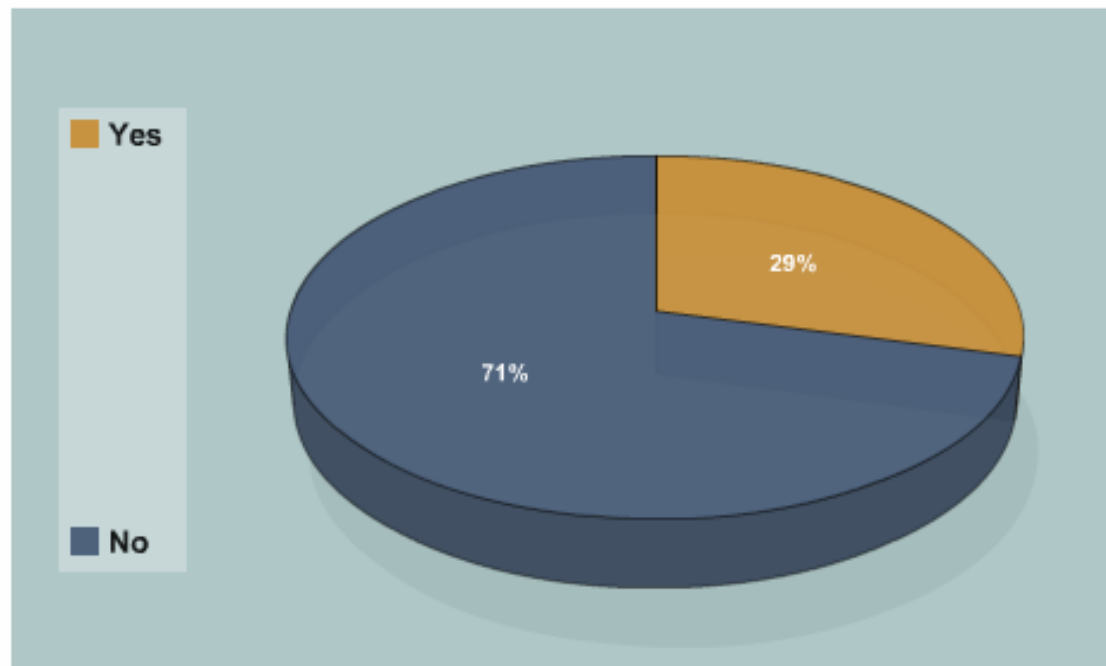
- Lack preservation program funding
- Need to expand public education / awareness
- Better tracking and PMS integration needed
- “Worst First” project selection paradigm can still exist

Preservation Appraisals Database

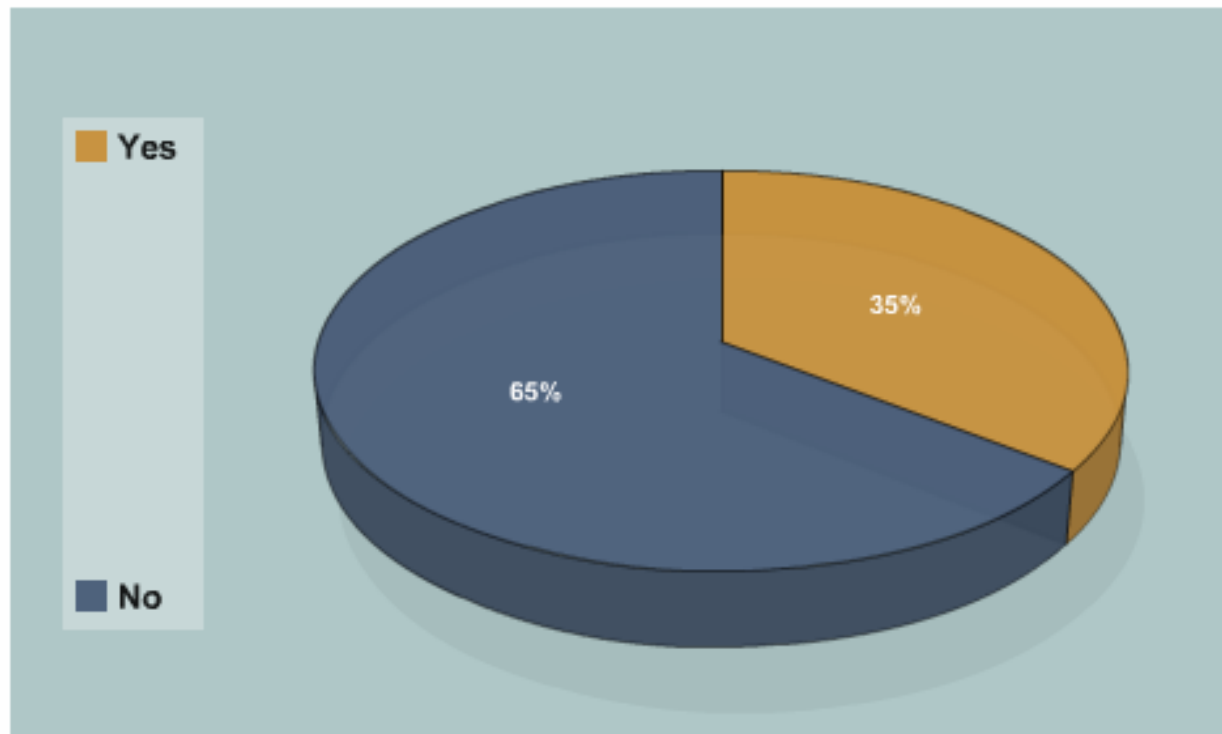
- Provide state appraisal results
- Identify national trends
- Comparison of state results to national or regional trends

Is the agency's pavement preservation program integrated into a comprehensive network strategy that includes major rehabilitation and reconstruction projects? :

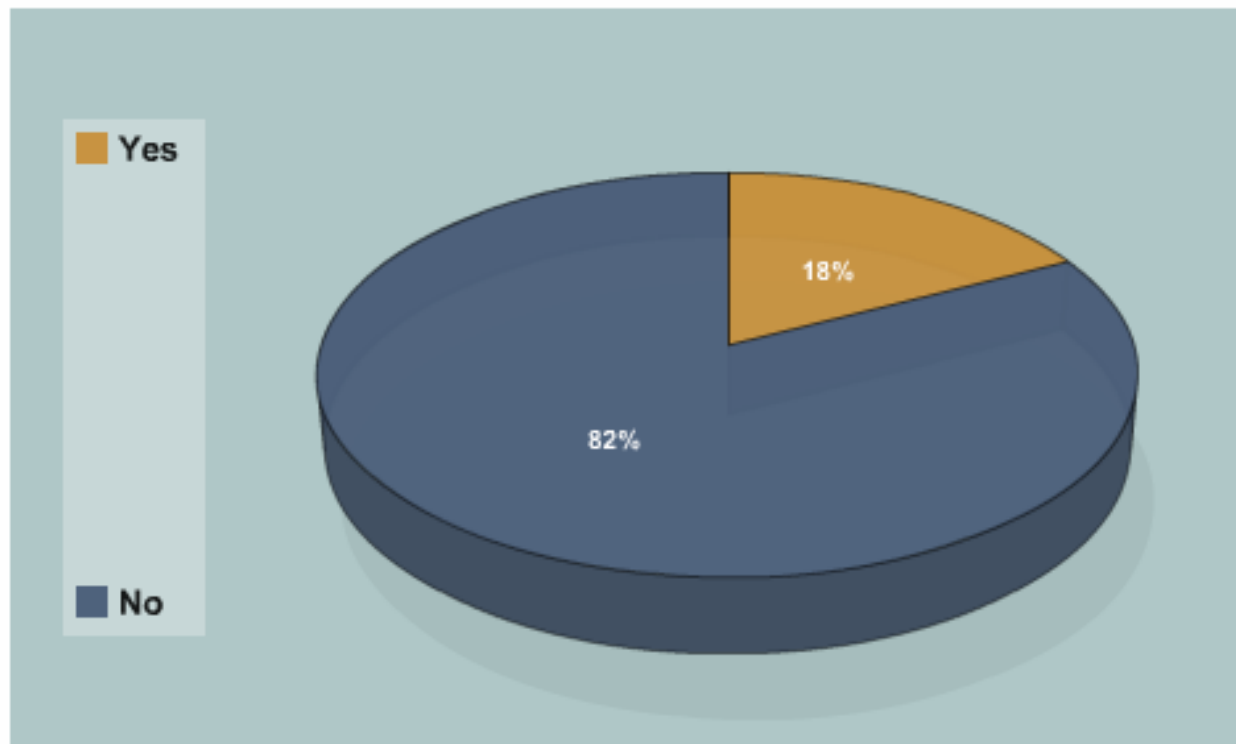
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Is the rate of pavement deterioration considered within the agency's PMS?:

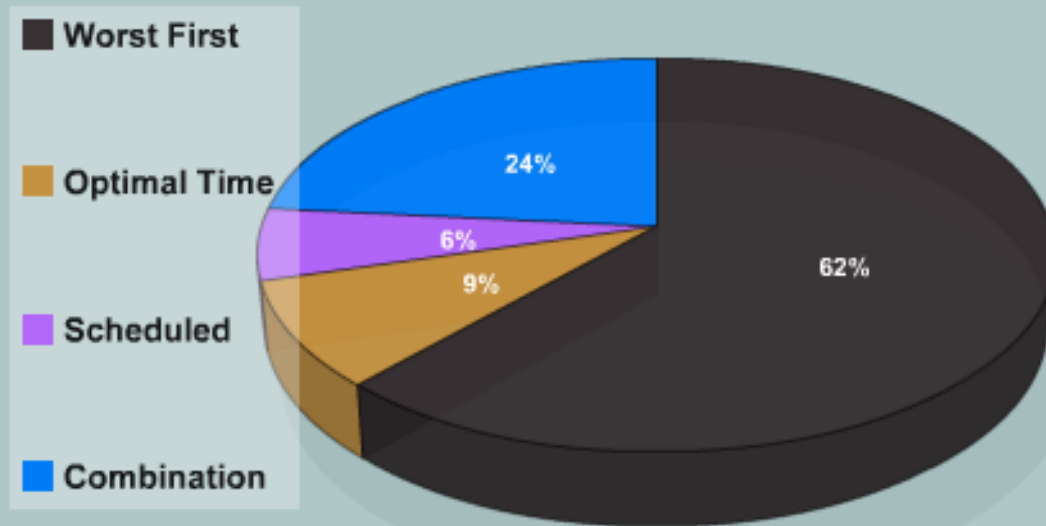


Does the agency's PMS have the ability to account for pavement preservation strategies in terms of extended pavement life?:



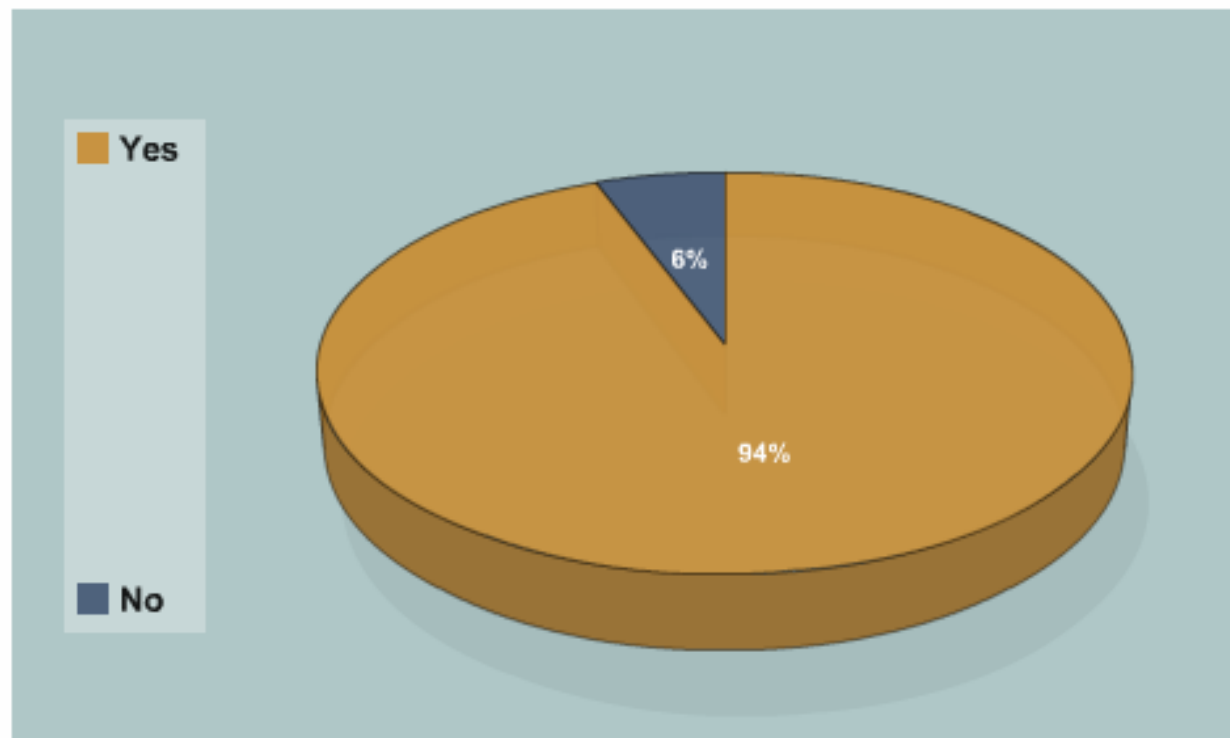
How does the agency prioritize the projects for the pavement preservation program?:

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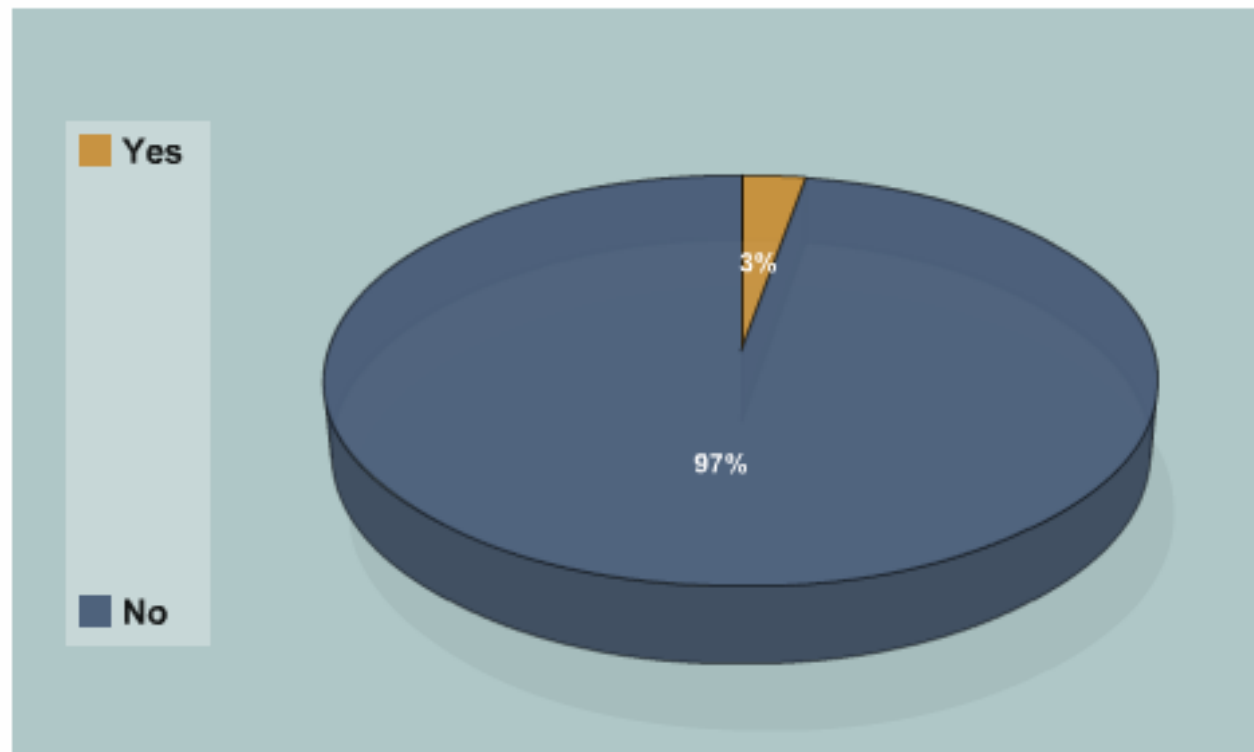
Have traffic volumes influenced the selection of certain pavement preservation treatments by the agency?:

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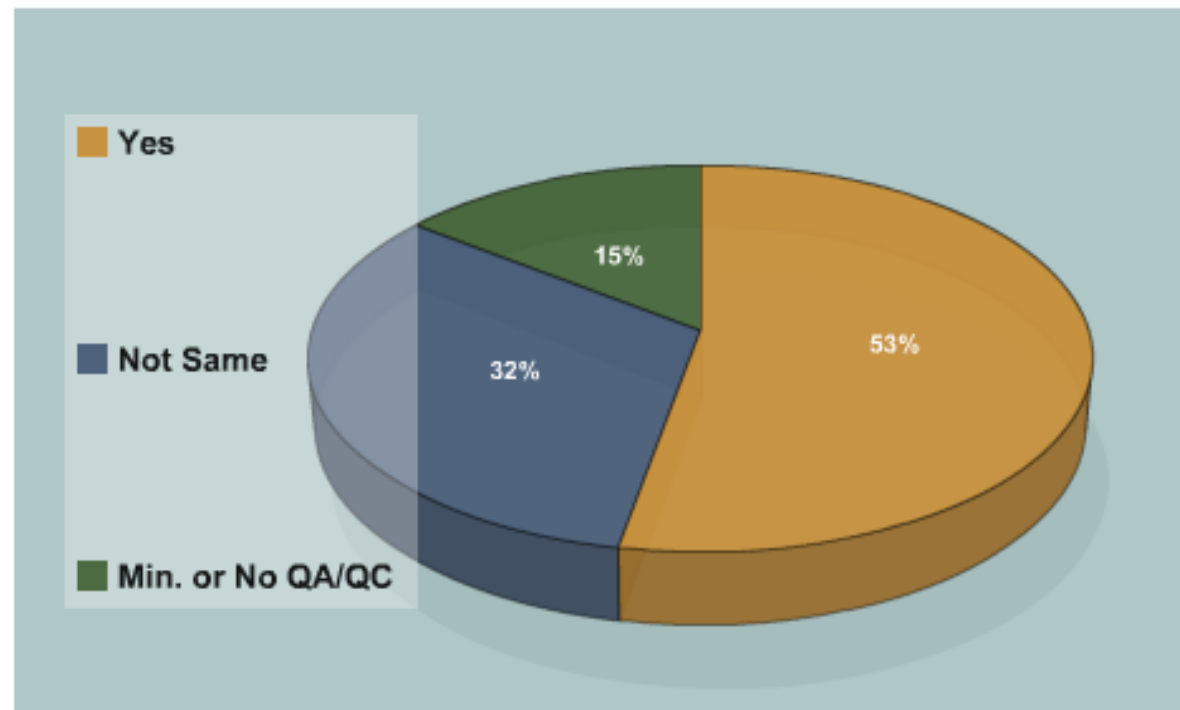
Has the monetary value of avoided traffic delays associated with reduced work zone requirements for preservation projects been considered by the agency when evaluating the cost effectiveness of pavement preservation treatments?:

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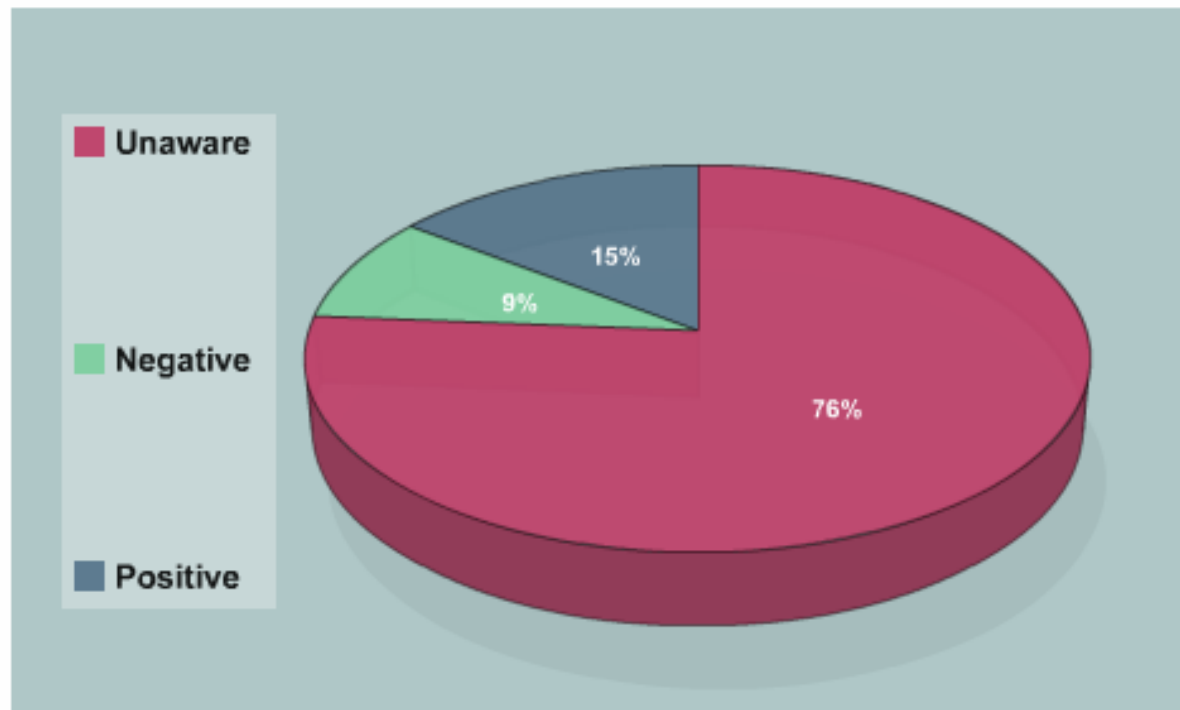
Do the agency's maintenance forces follow the Same QA/QC practices as rest of agency?:

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From the agency's viewpoint, how receptive is the media (newspaper, radio and television) to bringing the preservation message to the public?:

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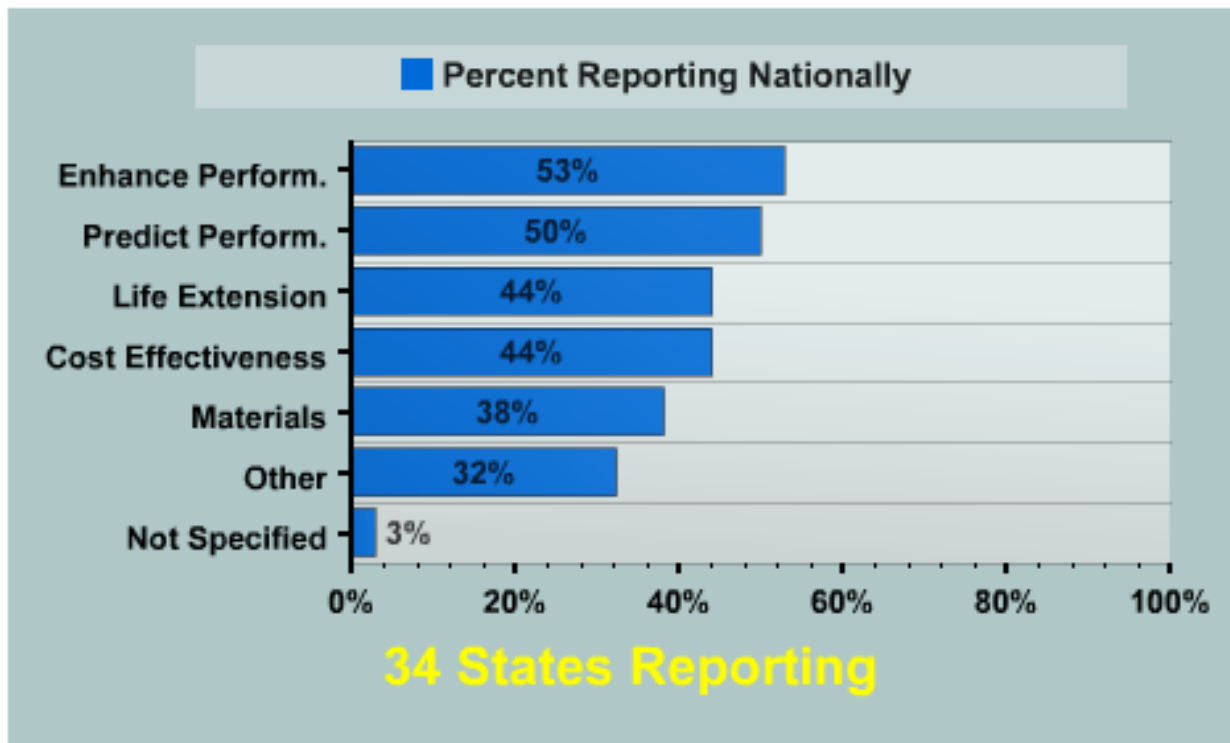
What are the agency's most immediate pavement preservation training needs and what specific employee disciplines need training?:

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Training Need	Percent	Training Need	Percent
None Specified	0	PP for Maint/Const. Staff	77
Basic Concepts	53	PP Strategy Development	79
Inspectors	71	Preventive Treatments	85
Pavement Repair	15	Other	15

What are the agency's most immediate research needs in pavement preservation?

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Interim Observations – FHWA Action

- Preservation program implementation guidance
- Maintenance Manual
- RSL implementation
 - HQ support and policy framework
 - Implementation manual/ training
- Updated NHI training

Construction Program Evaluations

- New program for 2008+
- Focusing on construction concerns
- Scoping meeting summer 2008
- State DOT participation
- Ken Jacoby FHWA lead



Thanks!

Chris Newman
FHWA Office of Asset Management
(202) 366-2023
Christopher.newman@dot.gov

