

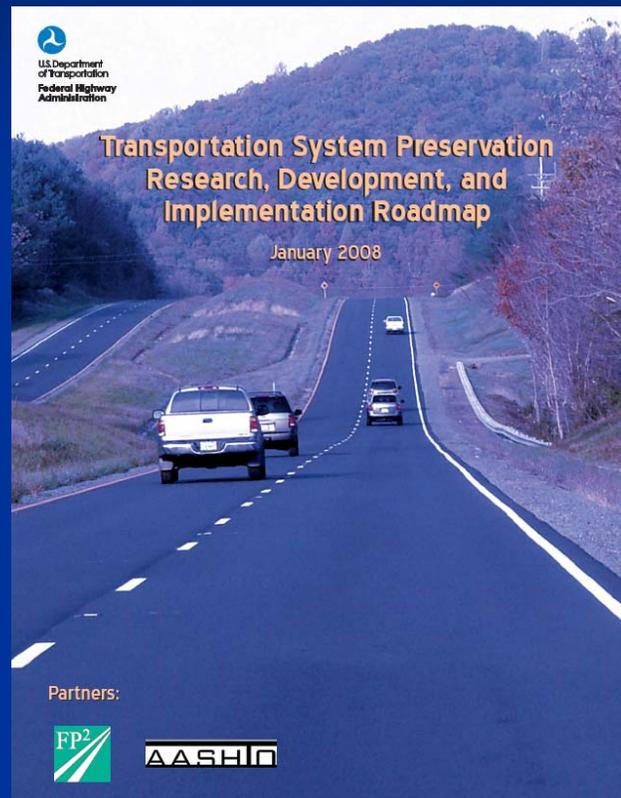
FHWA Update

AASHTO Subcommittee on Maintenance

July 14, 2008

Monterey, CA

Transportation System Preservation Research Roadmap



<http://www.tsp2.org/roadmap/index.php>

Results

- Pavements – 38 statements
- Bridge – 25 statements
- Estimated Cost > \$40M

Pavements

Category	# of Problem Statements
Asset Management	8
Design	7
Materials	7
Construction	7
Contracting Methods	3
Performance	6

Bridge

Category	# of Problem Statements
Asset Management	7
Decks and Joints	4
Superstructure	5
Substructure	5
Selection of Preservation Actions	2
Performance	2

NHI Training

131106 – Transportation Asset Management

131115 – Pavement
Preservation: Preventive
Maintenance Treatment,
Timing, and Selection

131103 A, B, C – Pavement
Preservation: Design and
Construction of Preventive
Maintenance Treatments

131104 – Pavement
Preservation: Integrating
Pavement Preservation
Practices into Pavement
Management

131116, A – Pavement
Management:
Characteristics of an
Effective Program

131114 - Pavement
Preservation: Optimal
Timing of Pavement
Preservation Treatments -
WEB-CONFERENCE

131110 – Pavement
Preservation Treatment
Construction – WEB-
BASED

FALCON Teams

- Focus Area Leadership and CoordinationN
- 6 Teams
- GAP Analysis

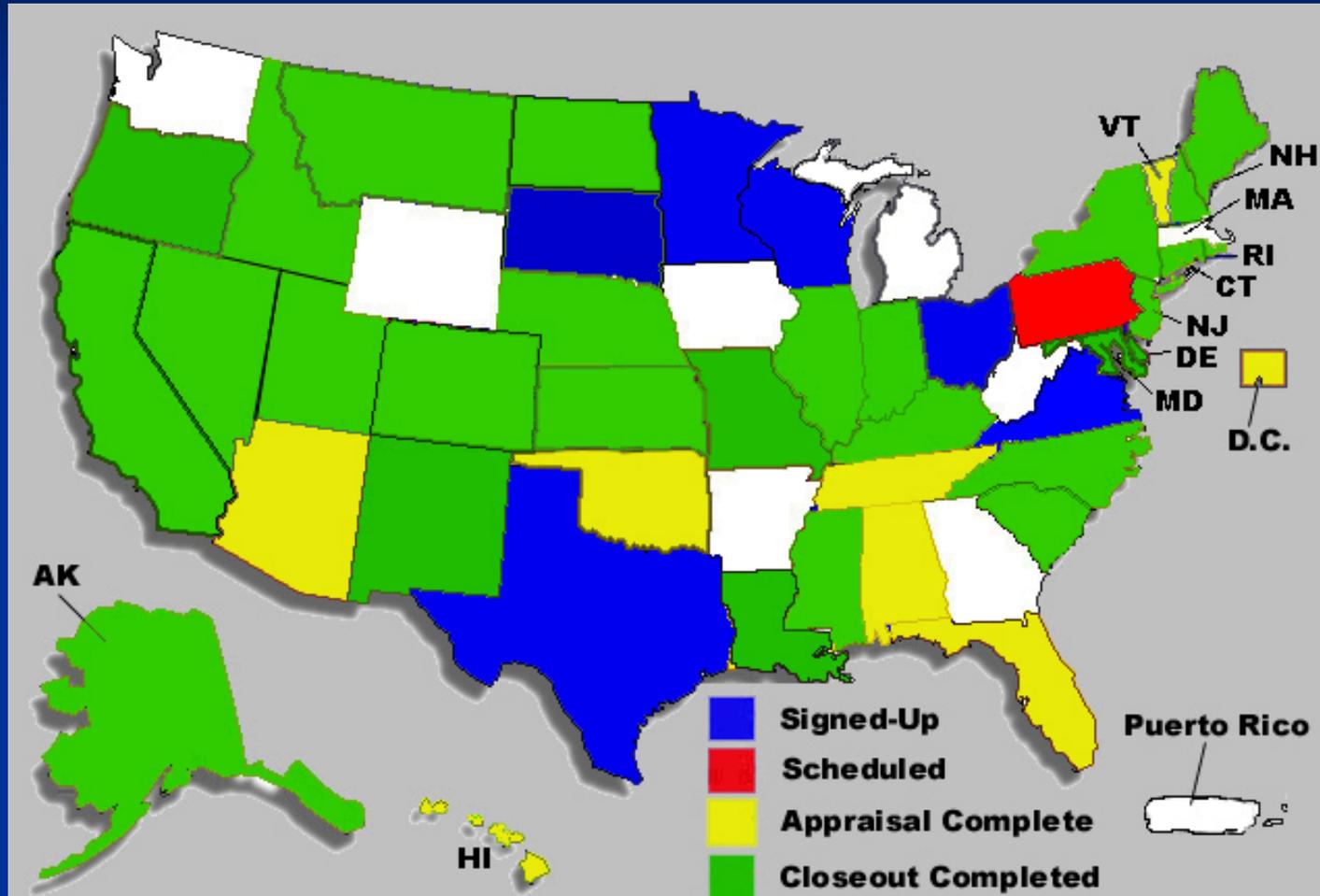
FALCON Teams

1. Pavement Design and Analysis
2. Materials
3. Pavement Management and Preservation
4. Surface Characteristics
5. Construction and Materials Quality Assurance
6. Environmental Stewardship

FHWA Transportation System Preservation Manual

FHWA/NCPP
Pavement Preservation
Technical Appraisals and
Evaluations

Appraisal Status Map



- 43 states signed up
- 36 states visited

Interim Findings

- A recognized need for pavement preservation
- “Worst First” project selection paradigm
- Many agencies in early stage of a preservation program. Many experience internal resistance especially at the legislative level.
- Lack preservation program funding

Interim Findings (2)

- Limited suite of treatments in “toolbox.” Lack of familiarity with treatments and best practices.
- Poor experiences with many treatments
- Need to expand public education / awareness
- Better performance tracking and PMS integration needed

Interim Findings (3)

- Difficulty in finding good contractors and a shortage of quality materials
- Great need for training and certification
- More research is needed to demonstrate benefits

Questions?



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