

Pavement Preservation FHWA Training Resources

NEPPP Meeting

Warwick, RI

December 10, 2007



NHI Pavement Preservation Curriculum

- 131054 – The Preventive Maintenance Concept
- 131058 – Selecting Pavements for Preventive Maintenance
- 131103 - Design and Construction of Quality Preventive Maintenance Treatments
- 131104 - Integrating Pavement Preservation Practices and Pavement Management

NHI Pavement Preservation Curriculum

- 131115 – Preventive Maintenance Treatment, Timing, and Selection
- 131103 - Design and Construction of Quality Preventive Maintenance Treatments
- 131104 - Integrating Pavement Preservation Practices and Pavement Management

131115 – Preventive Maintenance Treatment, Timing and Selection

- Pavement performance and distress
- Is the pavement right for preservation?
- Treatment options
- Appropriate timing
- Analysis of alternative treatments
- Available for scheduling through NHI

131110 - Pavement Preservation Treatment Construction - WBT

- Introductory material for technicians and engineers
 - Materials
 - Strategy
 - Selection
- Covers preservation of HMA pavements (future development of PCC pavement companion)
- Online guide as resource
- Free training through NHI

131114 - Optimal Timing of Pavement Preservation Treatments

- Implementation of NCHRP 523, Optime tool
 - Factors governing optimal timing of treatments
 - Effect of timing on pavement preservation treatment performance
- Free 4-hour webconference
- Available through NHI – 7 upcoming sessions
- www.nhi.fhwa.dot.gov

134063 – Maintenance Leadership Academy

- 4-week training
- Maintenance supervisor development
- Blended learning approach
 - Maintenance management
 - Planning/ programming
 - Pavement preservation
 - Roadside/ vegetation
 - Weather / emergency operations

Asphalt Emulsions for Pavement Preservation Applications

- Emulsion material properties affect placement quality and performance
- Training and resources are limited
- Week-long course, seminar and laboratory instruction
- Scoping for development – RFP Feb 2008

Preservation Qualification Program

- Quality treatments (and their performance) depends upon people
 - Contractors
 - Inspectors
- Need to avoid the “Poisoned pool”
- Much is at stake both for owner agencies and contractors

Preservation Qualification Program

- Training and certification of employees
 - Curriculum development for surface treatments
 - Identify existing courses
 - Determine need for new training development
 - Share resources
- Consultant contract to help develop

Preservation Qualification Program

- Contractor Qualification Program
 - Training
 - Equipment
 - Quality management processes
 - Levels the playing field
 - Voluntary adoption by states – pilot evaluation

Questions?



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www.fhwa.dot.gov/preservation