

Pavement Preservation Training

NEPPP

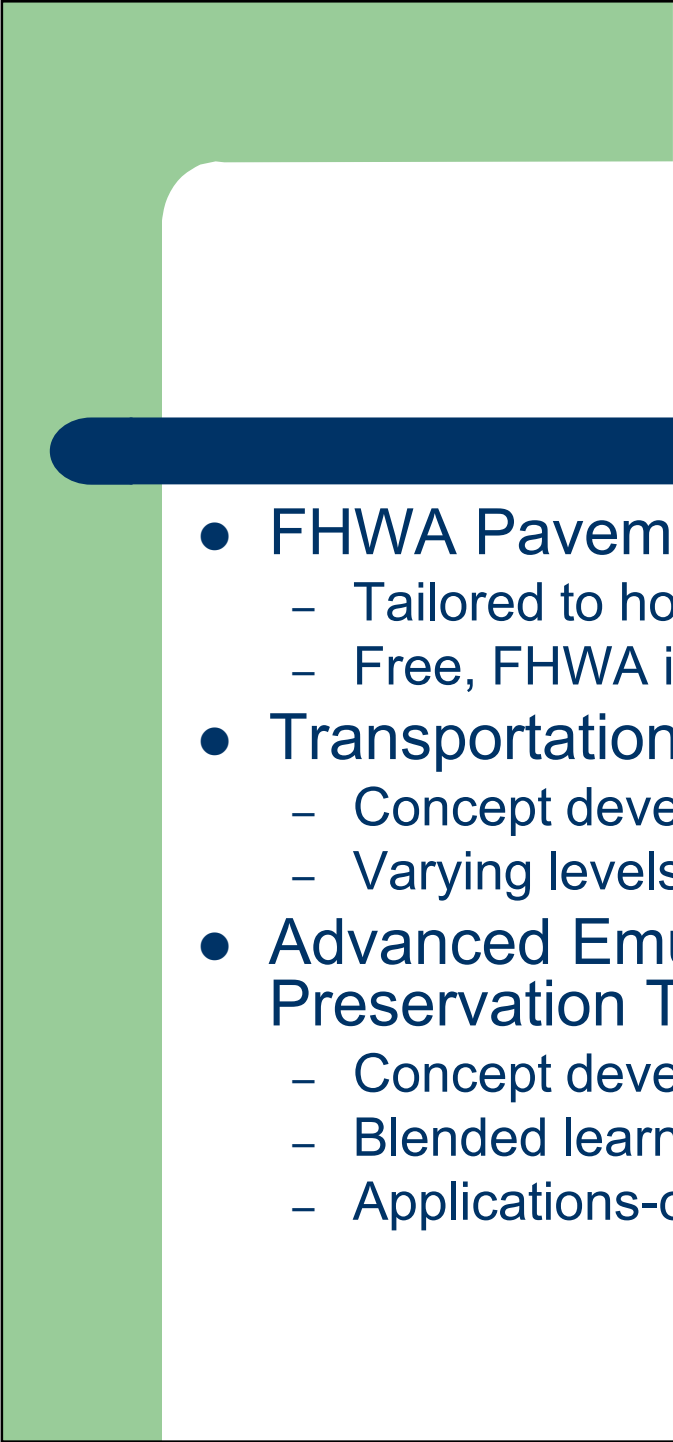

Iselin, New Jersey

November 3-5, 2010



NHI Preservation Training

- 131103 – Pavement Preservation: Design and Construction of Quality Treatments
- 131104 – Integration of Pavement Preservation and Pavement Management
- 131114 – Pavement Preservation Timing (webinar)
- 131115 – Pavement Preservation – Treatment Selection

- 
- 
- FHWA Pavement Management Systems workshop
 - Tailored to host State program
 - Free, FHWA instructors
 - Transportation Asset Management for Locals
 - Concept development
 - Varying levels
 - Advanced Emulsions Technology for Pavement Preservation Treatments
 - Concept development
 - Blended learning, including laboratory work
 - Applications-oriented

134063 – Maintenance Leadership Academy

- 4 weeks
- Development for maintenance supervisors
- Comprehensive array of topics
 - Asset Management
 - System Preservation
 - Roadsides and Drainage
 - Weather-related Maintenance
 - Workzones and Safety
 - Environmental Considerations
- Blended learning
- Pilot Feb 2010

Web-based training

- 131110 – Preventive Maintenance Treatment Guide
- 131126 – PCC Pavement Preservation series
- Open WBT development contract with NHI
 - What's next?
 - Sources?
 - Technical panels?
 - Product!

Preservation curriculum

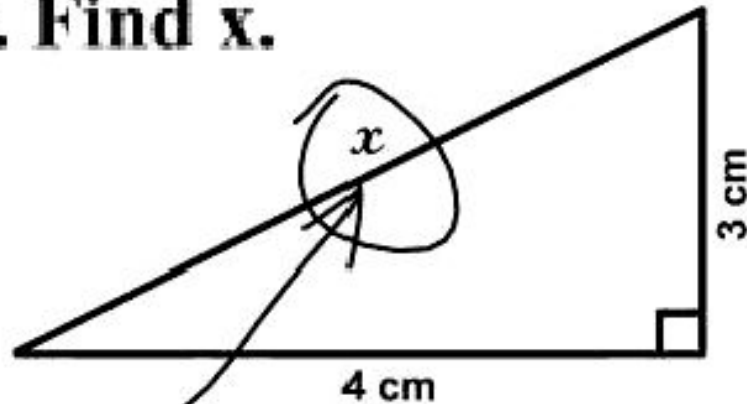
- Transportation Curriculum Coordination Council
 - FHWA/ NHI/ AASHTO/ locals/ academia/ industry
 - Maintenance Core curriculum
 - Missing pavement preservation elements
- Identifying training competencies for agencies and contractors
- Planning tool for gap identification and future training development

Chip Seal

Disciplines	Competencies by Skill Level (Agency Staff and Contractor Personnel)			
	Level I (New Inspector)	Level II (Inspector)	Level III (Resident Engineer)	Level IV (Maintenance Director)
Project Selection		(Agency) Identify pavement candidates (based on ride, rut, friction, and distress) and define project limits for a chip seal	(Agency) Select projects from submitted candidate pavements for current year or future year chip seal program consistent with strategic plan (Agency) Scope project for project design and cost estimates, including the review and approval of specifications and traffic control plan (Agency) Prepare bid package Establish proposed work schedule	(Agency) Verify project does not conflict with planned future construction or utility projects (Agency) Direct the programming of project for funding (Agency) Develop guidance documents consistent with strategic plan and directives for chip seal program (Agency) Verify Contractor has appropriate licensing and bonding, if applicable. Verify contractor's insurance holds agency harmless against claims. (Contractor) Review project site to estimate quantities and check for unique conditions prior to bidding (if applicable)
Materials	Receive shipped materials (e.g. aggregate and emulsion), verify for quality, quantity, MSDS, and any other relevant checks, and provide documentation for field engineer Maintain materials storage area	Sample and conduct regular gradation tests on aggregate Sample and forward emulsion samples to laboratory for testing Direct and insure good stockpile management of aggregate and regularly check emulsion for temperature and visible abnormalities	Estimate material quantities needed for project Determine location and arrange agreements for the project's material staging area(s) Determine daily quantities of materials (aggregate and emulsion) used on the project	Select appropriate type and approved source of emulsion and aggregate gradation for traffic and environmental conditions, including physical and chemical characteristics Select approved material supplier prior to bidding (if applicable), receive price quotes, and arrange delivery schedule and sign contract agreement Insure compliance of safety and environmental regulations in material staging area

QUESTIONS?

3. Find x .



Here it is

Preservation Contractor Qualification

- Help develop good contractors
- Assurance for agencies
- Industry and agency interest
- Many questions yet to answer
 - Need criteria
 - Management?
 - Requalification