NCPP & TSP•2 Updates

SCOM Pavement TWG

July 20, 2015

Larry Galehouse, P.E., P.S.
Director, National Center for Pavement Preservation
Held
March 16 – 18
Charleston, SC

Held
April 29 – May 1
Wilmington, DE

September 28 – 30
Kansas City, MO

October 19 – 21
Bozeman, MT
2016 NPPC Committees

- Organizing Committee
- Technical Committee
- Demonstration Committee
2016 NPPC Organizing Committee

Organizing Committee

Larry Galehouse, NCPP, Co-Chair
Jim Moulthrop, FP2 Inc., Co-Chair
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Mike Fowler, Vermont AOT (NEPPPP)
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Steve Mueller, FHWA Retired
Mary Gayle Padmos, Montana DOT (RMWPPP)
Francis Todey, Iowa DOT (MPPP)
Jon Wilcoxson, Kentucky TC (SEPPPP)
2016 NPPC Technical Committee

Technical Committee

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Larry Scofield, IGGA, Co-Chair (IGGA)
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David Luhr, Washington State DOT (RMWPPP)
Rusty Price, Intermountain Slurry (ISSA)
Luis Rodriguez, FHWA Atlanta Resource Center
Steve Varne-doe, Asset Management Associates
Vacant (NEPPP) & (SEPPP)
Demonstration Committee

Gene Arnold, Ergon Asphalt, Co-Chair
Jay Norris, Tennessee DOT, Co-Chair
John Calvert, Pavement Technology Inc.
Rex Eberly, Bergkamp Inc.
Pierre Peltier, Strawser Construction/Terry Asphalt
John Rathbun, Culter Repaving Inc.
Don Reid, Metropolitan Government of Nashville
Matt Ross, Ross Engineering Solutions
Council Goals

- Promote the implementation and benefits of pavement preservation principles through training and education.
- Provide recommended regional specifications and guidelines for pavement preservation.
- Foster beneficial technology transfers between academia, industry, and agencies.
Council Training

Theory & Practice
The Florida Pavement Preservation Council is a partnership of agency, industry and academia professionals in Florida focused on the promotion of Pavement Preservation Principles through Education.

These specifications were not developed by and are not owned by the Florida Department of Transportation.

NOTE: These files MAY NOT BE USED on any FDOT projects.

**Note:** The links on this page are Word Documents and will require Microsoft Word 2003 or higher to view or [Word Viewer 2003](#) (Opens in new Window)

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335.3.1 Description

Microsurfacing is a method of applying a "thin" layer of material to existing pavement to improve surface texture, reduce noise, and improve appearance. The material is a mixture of water, a binder, and aggregate that is applied at a low enough rate to penetrate the surface of the existing pavement.

335.3.2 Materials

335.3.2.1 Emulsified Asphalt

The supplier shall be responsible for maintaining the quality of the emulsified asphalt and shall comply with the requirements of AASHTO T 280 for Emulsified Asphalt.

335.3.2.2 Quality Tests for Emulsified Asphalt:

- Penetration:
- Stability:
- Air Voids:
- Viscosity:
- Durability:

335.3.2.3 Sampling, Certification, and Vertical Emulsified asphalt spread for the project, the supplier shall submit samples to the Engineer.

335.3.3 Materials

335.3.3.1 Bituminous Chip Seal

335.3.3.1.1 General Requirements

The chip seal shall consist of a bituminous material, usually asphalt, applied at a rate of 2–4 gallons per 100 square feet, followed by a layer of crushed stone aggregate. The aggregate shall be crushed and will typically have a nominal size of 1/4 to 1 inch. The thickness of the seal shall be determined by the Engineer and shall be based on the existing pavement conditions and the desired performance.
Courses Currently Available

- **Basic Concepts for Pavement Preservation** (1 Day)
- **Pavement Preservation: Applied Asset Management** (2 Days)
- **Chip Seal Best Practices** (1 Day)
- **Slurry Seal & Micro surfacing** (1 Day)
- **Top of the Curve: Fog Seals, Rejuvenators, Crack Sealing and Filling** (1 Day)
Video Library
Independent Certification vs. Certificate Programs

ANSI/NOCA Standard 1100 (published March 2009) defines credentials as either:

1. Professional Certifications
2. Assessment-Based Certificates
Professional Certification

A non-governmental program that:

1. Delivers an competency assessment based on industry knowledge, independent of training courses or course providers.

2. Grants a time-limited credential to anyone who meets the assessment standards.
Professional Certification

The use of letters, acronyms, and the word “certified” are reserved for holders of professional or personal certifications.

Examples:
- Certified Public Accountant (CPA)
- Member, American Institute of Architects (AIA)
- Certified Project Manager (CPM)
A non-degree granting program that:

1. Provides a course of instruction with intended learning outcomes.

2. Evaluates participants’ achievement of these learning outcomes via an exam.

3. Awards a certificate only to those who have taken the course and passed the examination.
Assessment-Based Certificate

The National Organization for Competency Assurance (NOCA) Standard 1100, Section 8, stipulates that holders of assessment-based certificates may NOT use letters or acronyms after their names, nor may they use the word “certified” in describing their credentials.
The role of TRAINING and its relationship to credentialing.

1. Professional Certifications, are independent of training courses.

2. Assessment-Based Certificates, are linked to a training course.
Certification or Certificate is

- A confirmation that an individual or organization has demonstrated a certain level of knowledge and ability to competently complete a job.

- A voluntary program created for the purpose of raising the standard of a specific specialty.
Certification or Certificate is not

- Evidence that a person has sufficient knowledge, only that he/she passed a test.

- A legal statement granting approval to practice or work in a specific area -- that is licensure.
What does Pavement Preservation Need?

Certification Program or a Certificate Program
Agency Certification or Certificate Program

- Voluntary pilot program to provide quantitative proof of potential benefit.
- Administering and grading examinations to be performed by NCPP.
- Names of successful passing candidates to be posted on TSP•2 website.
Agency Certification or Certificate Program

Phase I program to include a separate certification/certificate for each treatment group:

- Rejuvenators, Asphalt Sealers, Crack Treatments
- Fog Seals, Chip Seals
- Slurry Seals, Micro Surfacing
Industry Certification or Certificate Program

- Voluntary pilot program being reviewed by the International Slurry Surfacing Association (ISSA).
- Administration and grading of examinations to be performed by NCPP.
- Companies will be approved based on performance in the following areas:
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