

NCPP Training Opportunities

Todd Shields
Emulsion Task Force
December 12, 2023

Education and Training Opportunities from NCPP

- ▶ The NCPP Vision Statement Reads:
 - *To stand out as the valued leading expert source and resource for preserving and maintaining our nation's transportation assets.*
- ▶ We believe that to meet this Vision we need to be the go-to resource for Pavement Preservation.
- ▶ Our education products include:
 - Process Guides
 - On-Line Video Library
 - Instructor Led Training Modules
 - Webinars
 - Individualized Training Based on Specific Department Needs

In Person Training

- **Preservation Concepts**
 - **Introduction to Pavement Preservation**
 - **Asphalt Pavement Surface Distresses**
 - **Asphalt Preservation Processes**
 - **Putting Preservation into Practice**



In Person Training

- **Cold In Place Recycling**
 - CIR Basics
 - CIR Equipment
 - CIR Process



In Person Training



- **Chip Seal Training and Equipment Calibration**
 - **Introduction to Chip Seal**
 - **Chip Seal Materials**
 - **Equipment Best Practices**
 - **Construction Best Practices**
 - **Optional Distributor Review and Calibration (Hands On)**
 - **Optional Chip Spreader Review and Calibration (Hands On)**

In Person Training



- **Putting Preservation to Work in the Real World**
 - **Definition of Pavement Preservation**
 - **Why develop a preservation mindset**
 - **Using Remaining Service Life to check your progress**
 - **Comparing Preservation to Preventive Maintenance**
 - **Getting Started!**

In Person Training

- **Preservation Treatment Certification Training**
 - **Slurry Surfacing**
 - **Chip Seal**
 - **Crack Treatments**



Preservation Training Survey

- **NCPPI has been looking at Pavement Preservation Training**
 - **Survey**
 - **Report**
 - **Collaboration**
- **Project Goal**
 - **Review existing training and education programs**
 - **Identify gaps and proficiency requirements for Agency and Industry**
 - **Harmonize overall syllabus for overall consistency**

MPPPP Skill Share Webinar Series

➤ **Last Webinar – November 9, 2023**

➤ **Previous Topics**

- **Chip Seal Best Practices**
- **Utilizing Spray Pavers**
- **Pavement Management Data**
- **Scrub Seals**
- **Cape Seals**

➤ **Recording and PPT's posted at:**

<https://tsp2pavement.pavementpreservation.org/library/videos-powerpoint-presentations/training-education-research/>



Process Guides

Slurry Systems Certification

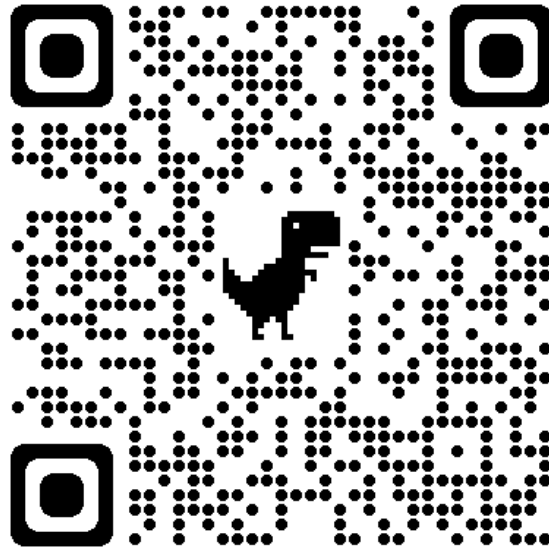


Session Guide

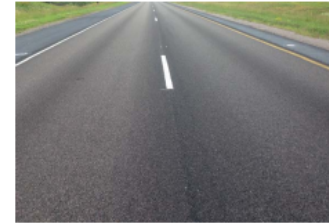
National Center for Pavement Preservation
Michigan State University



www.pavementpreservation.org



Chip Seal Certification



Session Guide

National Center for Pavement Preservation
Michigan State University



Process Guides

A Quick Check of Your Highway Network Health

by Larry Galehouse, Director,
National Center for Pavement Preservation
and

Jim Sorenson, Team Leader,
FHWA Office of Asset Management

Web-Based Training

🏠 Pavement Preservation Web-Based Training Courses



Rex Eberly



Content Course Tools ▾ Quizzes Logged in as eberlyre



Bookmarks



Course Schedule

Table of Contents

6

Chip Seal Course

2

Slurry Seal and Micro
Surfacing Course

2

Crack Treatments
Course

2

Crack Treatments Course ▾

Print

This module contains:

1. Crack Treatment Participant Information form
2. Crack Treatment Part I Presentation
3. Crack Treatment Final Quiz I
4. Crack Treatment Part II Presentation
5. Crack Treatment Final Quiz II
6. Crack Treatment Evaluation
7. Crack Treatment Certificate

When you first enter the module, only the Crack Treatment Participant Information form will be visible to you. The remaining items will not be visible to you until you have completed the previous step.

1. Fill out the Participant Information form completely. When submitted you will then see the Crack Treatment Part I Presentation

Preservation Treatment Certification

➤ Three Treatments – Agency and Contractor

- Crack Treatment
- Chip Seal
- Slurry Systems



➤ Overall have certified nearly 700 employees

➤ Currently >150 certified employees

➤ <https://www.pavementpreservation.org/pavement-preservation/certification/>



Preservation Treatment Certification

➤ **How to obtain your certification?**

- **Need to complete online ISSA training for the treatment you are going for**
- **This training is free of charge**

➤ **Register to take the exam**

- **In person exams offered at various meetings throughout the year**
 - **ISSA Slurry Workshop – January 2024**
 - **2024 Regional Pavement Preservation Partnership Meetings**
- **Test can be taken online**
- **Spanish language versions available**
- **Cost = \$200/treatment Agency, \$325 Contractor/Consultant**

➤ **Certifications are valid for 3 years**

How Agency Employee Certification Benefits the Agency

- ▶ Benefits of certifying your Agency employees:
 - They understand how to design and specify preservation projects.
 - They understand the points of the Contractor Quality Management Plan.
 - They can immediately identify when the contractor starts having issues and can suggest solutions to change the trajectory of the project.

Contractor Company Certification

- ▶ Contractors are Certified Yearly
- ▶ Contractor must provide a statement from executive leadership that commits to the program.
- ▶ They Must Prove:
 - ISSA Web Based Training and/or
 - NCPP Training and/or
 - Internal Training

How Contractor Certification Benefits the Agency

- ▶ Benefits to you as an Agency for requiring a Contractor Company Certification:
 - Assurance that the majority of the contractor employees are trained.
 - A good percentage of those employees have passed an 80-question test.
 - The executive team commits to quality.
 - The company has a Quality Management Plan that tells the employees what to do and what not to do in many situations. The plan also tells them what to do when they have a problem.
 - The project Quality Management Plan should be submitted to the agency during the pre-construction process.

Need Something Else? Just Ask!

- ▶ Our team can develop specialized training for your department
- ▶ Examples:
 - Hands On Chip Seal Training for DOT Chip Crews
 - Calibration
 - Distributor
 - Chipper
 - Application
 - Troubleshooting
 - Preservation Design and Inspection
 - Based on your DOT's specifications and conditions.

Questions???



Todd Shields
National Center for Pavement Preservation
shiel118@msu.edu

