

National Pavement Preservation Certifications – What's in it for me?

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History of National Certification

- ▶ **Winter of 2014** – ISSA Slurry / Micro Committee begin internal discussions about the need for contractor certification.
- ▶ **Winter of 2015** – ISSA Board of Directors presents the Certification plan to its members for approval
- ▶ **Summer of 2015** – ISSA / NCPP / AASHTO TSP2 collaborate on the certification and testing plan.
- ▶ **January of 2016** – NCPP holds first round of certification testing at the ISSA Slurry Systems Workshop.
- ▶ **Spring of 2016** – AASHTO (TSP2) Oversight Panel authorized the development of a Pavement Preservation Treatment Certification Program.

ISSA / NCPP

- ▶ ISSA decided early on that the program would not have credibility if it was managed by a contractor organization. ISSA believed that NCPP was the best organization to manage the program because:
 - Nationwide reputation as a Pavement Preservation resource
 - Access to AASHTO TSP2
 - Affiliation with an accredited university (MSU) that could provide testing software and guidance.
 - Ability and availability to manage the certification program and database.

Certification Roles and Responsibilities

- ▶ **NCPP**
 - Program Management
 - Education and Training
 - Testing
 - Certified Employee Database
- ▶ **AASHTO**
 - Program Oversight through TSP2
- ▶ **ISSA**
 - Education and Training



NCPP Hosted Training

- ▶ Certification Study Guides
 - Chip Seal Guide
 - Slurry Surfacing Guide
- ▶ ISSA / FHWA Web Based Training
 - Hosted on NCPP Website
 - Slurry Surfacing, Chip Seal , Crack Seal
 - Update Project
- ▶ ETF / NCHRP Demo Training
- ▶ NCPP On-Site Training
 - Standard Training
 - Refresher Only



Slurry Systems Certification

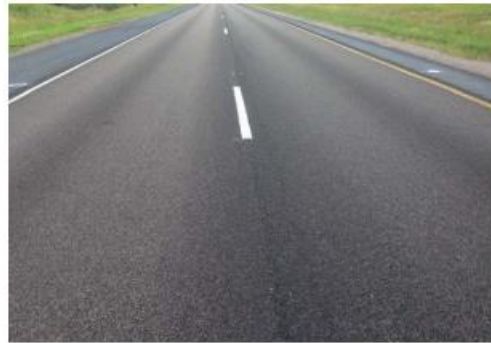


Session Guide

**National Center for Pavement Preservation
Michigan State University**



Chip Seal Certification



Session Guide

**National Center for Pavement Preservation
Michigan State University**





International Slurry Surfacing Association

Slurry & Micro Surfacing, Chip Sealing & Crack Treatment

How to Construct High Quality Chip Seal Treatments



Chip Seal Treatments

Outline

Notes

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Slide Notes

Welcome to the chip seal treatment training module "How to Construct High Quality Chip Seal Treatments." This training is sponsored by the Federal Highway Administration (FHWA) and the International Slurry Surfacing Association (ISSA).

These materials and documents are disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The U.S. Government assumes no liability for the use of the information contained in these materials. The U.S. Government does not endorse products or manufacturers.

Trademarks or manufacturers' names appear in these materials only because they are considered essential to the objective of the training.

The ISSA's Board of Directors have authorized this training development to provide an educational tool that could be used by persons possessing limited familiarity with chip seal treatments.

Throughout this training, you will be able to move to the next screen or review a prior screen by selecting one of the small directional arrows in the control bar located in the bottom of your screen.

A printer-friendly version of the course slides can be downloaded by selecting the paperclip icon in the lower section of the control bar. If the control bar is minimized, expand it in order to view the paperclip icon. You can expand or collapse this control bar by selecting the icon which looks like a movie camera on the right. When selected, the icon opens a pane on the right side of the screen that contains tabs to access the course outline, narration text, and a search function.

73 Minutes 57 Seconds Remaining



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U.S. Department of Transportation
Federal Highway Administration



International Slurry Surfacing Association

Slurry & Micro Surfacing, Chip Sealing & Crack Treatment

How to Construct High Quality Slurry Seal & Micro Surfacing Treatments



Slurry Seal and Micro Surfacing - Part 1

Outline

Notes

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Slide Notes

Welcome to "How to Construct High Quality Slurry Seal and Micro Surfacing Treatments – Part 1." This training is sponsored by the Federal Highway Administration (FHWA) and the International Slurry Surfacing Association (ISSA).

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Trademarks or manufacturers' names appear in these materials only because they are considered essential to the objective of the training.

The ISSA's Board of Directors have authorized this training development to provide an educational tool that could be used by persons possessing limited familiarity with slurry seal and micro surfacing treatments. This is the first of two trainings that will cover slurry seal and micro surfacing.

Throughout this training, you will be able to move to the next screen or review a prior screen by selecting one of the small directional arrows in the control bar located in the bottom of your screen.

A printer-friendly version of the course slides can be downloaded by selecting the paperclip icon in the lower section of the control bar. If the control bar is minimized, expand it in order to view the paperclip icon. You can expand or collapse this control bar by selecting the icon which looks like a movie camera on the right. When selected, the icon opens a pane on the right side of the screen that contains

55 Minutes 48 Seconds Remaining



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00:07 / 02:00



International Slurry Surfacing Association

Crack Sealing Training Module



Crack Treatment Part I Presentation

Outline	Thumb	Notes	Search
Slide Title			Duration
▶ Crack Sealing Traini...			01:37
Disclaimer			00:45
Source Material			00:16
Module Objectives			00:35
Module Introduction			00:47
Lesson Objectives			00:31
What is a Crack Trea...			00:27
What is Crack Fillin...			00:56
What is Crack Fillin...			01:33
What is Crack Fillin...			00:07
What is Crack Fillin...			01:22
Benefits			01:03
Benefits			01:15
A Pretreatment for S...			01:20
Fill in the Blanks: ...			00:25
Knowledge Check Debr...			00:21
Fill in the blank: C...			00:19
Knowledge Check Debr...			00:12
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73 Minutes 47 Seconds Remaining			





Slurry Systems Workshop

JANUARY 15-20, 2024 | LAS VEGAS





DESIGN & INSPECTION MANUAL

For Slurry Surfacing Systems

800 Roosevelt Rd, C-312, Glen Ellyn, IL 60137
Slurry.org | 630.942.6577

2nd Edition



Employee Certification

- ▶ Slurry Systems
- ▶ Chip Seal
- ▶ Crack Seal

- ▶ Contractor
 - Must score above 70% on 80-question test.
- ▶ Agency
 - Must score above 70% on a 50-question test.

- ▶ Certification belongs to the employee
- ▶ Valid for 3-Years



Certification Testing

- ▶ On-Line
 - Register on the Pavement Preservation.org
 - Test is taken using Proctored Software (*Respondus LockDown Browser*)
- ▶ On-Site
 - Customers Location
 - ISSA Slurry Systems Workshop
 - 2023 TSP2 National Pavement Preservation Conference
 - 2024 TSP2 Annual Meetings

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



Pavement Preservation Company
Certification
for 2022

ViaSun Corporation

of
Phoenix, Arizona



has met all requirements and
highest quality standards for
the placement of

Slurry System Treatments

Administered by



Contractor Certification – Additional Requirements

- ▶ Contractor must develop and submit a full Quality Management plan that includes:
 - Quality Control Team
 - Material Sourcing and Review
 - Mix Design Responsibility and Review
 - Quality Control of Specific Materials (Aggregate, Emulsion, Mineral Filler, Additives, Water)
 - Compliance with Job Mix Formula (JMF)
 - Equipment Requirements and Inspection
 - Application Quality Control (Application Rate, adherence to JMF, surface preparation, surface aesthetics)
 - Traffic Control as it relates to project quality
 - Weather Limitations
 - Problem Solving

What does National certification do for the municipality contracting with the supplier? Do they have to take a test and have continuing education or is it just a paid membership?

- ▶ Here are the benefits to you as an Agency for requiring a Contractor Company Certification:
 - Assurance that many of the contractors' employees are trained.
 - Key employees are certified and have passed an 80-question knowledge test.
 - The executive team makes a personal commitment to quality.
 - The company has developed a specific 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.

Contractor Quality Management Plan

- ▶ The Contractor must develop and submit a Plan that includes:
 - A current list of Quality Control Team Members
 - Specific Material Sourcing and Review Process
 - Mix Design Responsibility and Review Process
 - Quality Control of Project Materials (Agg, Emulsion, Mineral Filler)
 - Compliance with Job Mix Formula (JMF)
 - Equipment Maintenance and Inspection
 - Traffic Controls (as it relates to project quality)
 - Weather Limitations
 - Problem Solving Responsibilities
 - Application Quality Control
 - Application Rate
 - Adherence to JMF
 - Surface Preparation
 - Surface Quality (aesthetics)

- ▶ **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.

Final Thoughts

- ▶ Contractors make a significant investment to become certified. Individual testing and certification costs \$300 per person plus training expenses. Company certification costs \$1,000 per year plus individual certification costs. A large company with multiple crews could easily spend over \$10,000 to gain their first certification.
- ▶ We encourage agencies to require either certified employees or a certified contractor when bidding on preservation contracts. Please note that it would take a contractor at least 2 months to certify their employees and up to 4 months to obtain company certification.

Questions?

