

ARRANGING A CLASS

AVAILABILITY & COST

The cost of the Chip Seal class depends upon the number of students, the training venue, and whether or not meals are included in the course package. However, prices typically range from \$100 to \$200 per person for a 1-day class.

The NCPP periodically schedules classes based on current demand, but for organizations that desire in-house training for several employees, we can arrange a special course offering at your location upon request. To find out when the next class is scheduled to take place, or to have your name added to our notification list, **please call the NCPP at (517) 432-8220.**

MORE INFORMATION

For more information on the Chip Seal class, a detailed cost quote, or to arrange a training session for your organization, contact **Patte** at (517) 432-8220 or email: ncpp@egr.msu.edu.



**National Center for
Pavement Preservation**

2857 Jolly Road
Okemos, Michigan 48864
Phone (517) 432-8220
Fax (517) 432-8223

www.pavementpreservation.org



Pavement Preservation Educational Services Chip Seal Best Practices



***Practical Training for the
Pavement Practitioner***

Offered by:

**The National Center for
Pavement Preservation**

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NCPP CHIP SEAL BEST PRACTICES COURSE

ABOUT THE COURSE

The National Center for Pavement Preservation (NCPP) Chip Seal Course is intended to provide participants with a thorough and comprehensive understanding of chip seal design, construction, equipment, and inspection. As a preventive maintenance treatment, chip seals offer superior pavement distress mitigation; retard the downward action of water, snow and ice; and provide improved skid resistance when applied to the right pavement. Because the primary causes of chip seal failure are poor construction practices and inappropriate roadway candidate selection, this course is designed to provide pavement practitioners with the essential skills needed to ensure success.

WHO SHOULD ATTEND?

The course has been geared to a broadly-based audience, and is appropriate for anyone involved in the design, construction, or inspection of chip seals. Pavement practitioners who will benefit from the course include engineers, foreman, superintendents, designers, inspectors, and equipment operators. The material is well-suited for state and local

transportation personnel, as well as consultants and contractors.

WHAT IS INCLUDED?

The Chip Seal Course is designed to provide 1-day intensified training with an emphasis on practicality. Instructors are experienced chip seal practitioners with extensive backgrounds working with state and local transportation agencies. Participants will receive a notebook containing all course materials. The NCPP can provide arrangements for the class venue and/or meals during the day-long session on request for an additional cost.

COURSE OUTLINE

A summary of the course outline includes:

Introduction

The Preventive Maintenance Concept
Chip Seal Terminology
Basic Concepts
Engineering Principles

Chip Seal Design

Chip Seal Programming
Design Methods
Types of Chip Seals
Traffic and Climate Considerations
Selecting the Right Seal

Contract Administration

Contract Types
Contract Management
Risks and Warranties

Materials Selection

Aggregate Selection
Binder Selection
Aggregate-Binder Compatibility
Geotextile and Reinforced Seals
Specifications and Best Practices

Equipment Practices

Asphalt Binder Distributor
Aggregate Spreader
Dump Trucks and Haulers
Rollers
Sweeping Equipment
Specialty Equipment

Construction Practices

Weather
Road Preparation
Spraying Operations
Aggregate Spreading
Rolling and Sweeping
Traffic Control
QA/QC Practices
Lab Design and Material Testing
Field Testing

Chip Seal Performance Measures

Engineering-Based Performance Measures
Qualitative Performance Indicators

QUICK FACTS

CEUs: 0.6 units

Duration: 1 day

Cost: \$100 - \$200 / person

Class Size: 20-50 people