

ARRANGING A CLASS

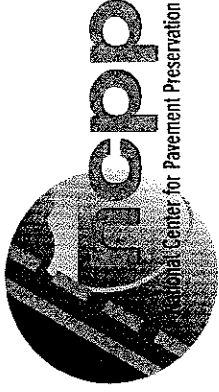
AVAILABILITY & COST

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.



Pavement Preservation Educational Services Chip Seal Best Practices



Practical Training for the Pavement Practitioner

Offered by:

**The National Center for
Pavement Preservation**

(517) 432-8220

www.pavementpreservation.org



**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