

# NCPP CHIP SEAL BEST PRACTICES

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.

## WHERE AND WHEN WILL THE CLASS BE HELD?

The class will be held at the Oklahoma DOT Training Center, located at I-35 and SE 59<sup>th</sup> Street in Oklahoma City, OK on Tuesday, January 20, 2009. Registration will begin at

8:00 a.m. and the class will be from 8:30 a.m.

to 3:30 p.m. with appropriate time off for lunch.

## WHAT ARE THE CLASS REGISTRATION PROCEDURES AND COSTS?

To register for the class, please complete the registration form on the reverse side and return it by January 5, 2009 to: NCPP, 2857 Jolly Road, Okemos, MI 48864 or fax it to (517)432-8223. The cost is \$125.00 per person.

## *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  
Specialty 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  
Material Testing  
Field Testing

### Chip Seal Performance Measures

Engineering-Based Performance Measures  
Qualitative Performance Indicators

## **QUICK FACTS**

**CEUs: 0.6 units**

**Duration: 1 day**

# REGISTRATION FORM

Please detach and mail before January 5, 2009 to:

**NCPP**  
2857 Jolly Road  
Okemos, MI 48864  
517-432-8220  
FAX (517) 432-8223

NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

AFFILIATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

WORK PHONE (\_\_\_\_) \_\_\_\_\_

EMAIL: \_\_\_\_\_

## Payment Information

A check is enclosed (\$125.00/person)  
(payable to County Engineers Association of Ohio)

Attending from ODOT (Costs being paid by ODOT)

Please bill my credit card (\$125.00/person)  
\_\_\_\_\_ card number  
\_\_\_\_\_ Expiration Date

TOTAL DUE  
\$ \_\_\_\_\_

(Any cancellation received after January 7, 2009, will be charged a \$100.00 cancellation fee).

**National Center for Pavement Preservation**  
Michigan State University  
2857 Jolly Road  
Okemos, MI 48864



## Chip Seal Best Practices



*Practical Training for the  
Pavement Practitioner*

**January 20, 2009**

at the  
**Oklahoma Department of  
Transportation Training Center  
Oklahoma City, OK**