IOWA CONCRETE PAVEMENT PRESERVATION WORKSHOP

March 20–21, 2008
Ames, Iowa

For DOT Engineers, City Engineers & Managers, County Engineers & Managers, Consulting Engineers, and Contractors

Pavement Preservation Concepts
Concrete Pavement Evaluation
Slab Stabilization
Partial-Depth Repair
Full-Depth Repair
Retrofitted Edge Drains
Load Transfer Restoration
Diamond Grinding & Grooving

2008 Iowa Concrete Pavement Preservation Workshop

Registration deadline: March 17, 2008
Register early—only 70 seats available.

Please print clearly and include complete address. Copy this form as needed.

Name: 
Title: 
Organization: 
Mailing address: 
City, state, zip: 
Daytime phone: 
Email address: 
Number planned to attend: 

Date and Location

March 20–21, 2008
Ames Holiday Inn
2609 University BLVD
Ames, IA 50010
515-268-8808

Fee: $65*
Includes program materials, refreshments, and lunch

*Iowa DOT staff: Please contact Carol Culver at 515-239-1208, carol.culver@dot.iowa.gov, to register.

Make checks payable to Iowa State University

Complete this form and mail, e-mail, or fax it to

Dee Short
CP Tech Center, ISU
2711 South Loop Drive, Suite 4700
Ames, IA 50010-8664
fax 515-294-0467
e-mail short@iastate.edu

Or, visit www.cptechcenter.org to register
For questions about registration, call 515-294-0550

National Concrete Pavement Technology Center
Iowa State University
2711 South Loop Drive, Suite 4700
Ames, IA 50010-8664

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## 2008 Proposed Agenda and Descriptions

### Day 1
March 20, 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00–8:30</td>
<td><strong>Course Introduction</strong></td>
</tr>
<tr>
<td></td>
<td>Dale Harrington will introduce the reference manual and course materials. The course has been prepared to provide guidance on the design, construction, and selection of concrete pavement preservation treatments.</td>
</tr>
<tr>
<td>8:30–9:15</td>
<td><strong>Pavement Preservation Concepts</strong></td>
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<tr>
<td></td>
<td>Gordon Smith will present an overview of preventive maintenance and pavement preservation. He will describe the characteristics of suitable pavements for preventive maintenance and the importance of selecting the “right” treatment and placing it at the “right” time. He will also discuss the benefits of pavement preservation.</td>
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<tr>
<td>9:15–10:30</td>
<td><strong>Concrete Pavement Evaluation I</strong></td>
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<td></td>
<td>Kurt Smith will present a summary of the pavement evaluation process, including a description of the various pavement evaluation activities that are commonly conducted. The participants will receive an understanding of the need for a thorough pavement evaluation and the uses of pavement evaluation data. The common pavement evaluation components and what information is obtained from each will be presented. How to interpret pavement evaluation data will be discussed.</td>
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<tr>
<td>10:45–11:45</td>
<td><strong>Concrete Pavement Evaluation II</strong></td>
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<tr>
<td></td>
<td>Continued from above.</td>
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<tr>
<td>11:45–12:00</td>
<td><strong>Lunch</strong></td>
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<tr>
<td>12:00–1:00</td>
<td><strong>Break</strong></td>
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<tr>
<td>1:30–2:15</td>
<td><strong>Partial-Depth Repairs</strong></td>
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<td></td>
<td>Kurt Smith will describe recommended procedures for the partial-depth repair of concrete pavement. He will present the benefits and appropriateness of using partial-dept repairs, list the advantages and disadvantages of different repair materials, describe recommended construction procedures, list key quality control activities, and identify typical construction problems and appropriate remedies.</td>
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<tr>
<td>2:15–2:30</td>
<td><strong>Break</strong></td>
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<tr>
<td>2:30–3:45</td>
<td><strong>Full-Depth Repairs</strong></td>
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<tr>
<td></td>
<td>Gordon Smith will present procedures for cast-in-place full-depth repair of existing concrete pavements. The techniques for both jointed plain or jointed reinforced concrete pavements and continuously reinforced concrete pavements will be discussed.</td>
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<tr>
<td>3:45–4:30</td>
<td><strong>Retrofitted Edge Drains</strong></td>
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<td></td>
<td>Dale Harrington will discuss the installation of retrofitted edge drains to improve the drainage of existing concrete pavements. Benefits of positive pavement drainage, components of edge drain systems, recommended installation procedures, key quality control activities, and identifying typical construction problems and remedies will be presented.</td>
</tr>
<tr>
<td>4:30–5:00</td>
<td><strong>Strategy Selection</strong></td>
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<td>Kurt Smith will discuss in detail a variety of concrete pavement preservation and restoration techniques. These will range from relatively simple treatments to more involved techniques.</td>
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<tr>
<td>6:00–7:30</td>
<td><strong>Wrap-Up and Closing Comments</strong></td>
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<tr>
<td>7:30–8:00</td>
<td><strong>Adjourn</strong></td>
</tr>
</tbody>
</table>

### Day 2
March 21, 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00–8:45</td>
<td><strong>Load Transfer Restoration</strong></td>
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<tr>
<td></td>
<td>Dale Harrington will present information on load transfer restoration of joints and cracks in concrete pavements. Benefits and applications of load transfer restoration, recommended materials and mixtures, recommended construction procedures, key quality control activities, and typical construction problems and remedies will be discussed.</td>
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<tr>
<td>9:45–10:45</td>
<td><strong>Joint Resealing</strong></td>
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<td></td>
<td>Paul Wiegand will describe the recommended procedures for both joint resealing and crack sealing operations on concrete pavements. Benefits of joint resealing and crack sealing, desirable sealant properties and characteristics, recommended installation procedures, key quality control activities, and typical construction problems and appropriate remedies will be discussed.</td>
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<tr>
<td>11:45–12:00</td>
<td><strong>Wrap-Up and Closing Comments</strong></td>
</tr>
</tbody>
</table>

### Speakers

**Dale Harrington** is a senior project engineer with Snyder & Associates, Inc., and former director of the PCC Center and SUDAS.

**Gordon Smith** is president of the Iowa Concrete Paving Association

**Kurt Smith** is a program director at Applied Pavement Technology, Inc.

**Paul Wiegand** is a research engineer for the National Concrete Pavement Technology Center

Questions? For more information, please contact Sharon Prochnow at 515-294-3781, prochnow@iastate.edu. Or, visit www.cptechcenter.org