



**\$695** (15 PDHs)

## Course Description

There have been many changes in the asphalt industry since 2000. New millennial mixtures that are thinner, cheaper and greener will not achieve adequate performance if they are not designed, constructed and maintained properly.

This new course is designed to provide up-to-date information to agencies, engineers and roadway supervisors responsible for delivering quality roadways for the traveling public. State-of-the-art technology and proven best practices will be presented at a practical level that can immediately be utilized to maximize the performance of your asphalt pavement structures.

## Who Should Attend

This course was developed for those involved with designing, constructing and maintaining asphalt roadways. It is intended to focus on areas critical to maximizing asphalt pavement performance and life. Agency, consultant, supplier, and contractor personnel at all experience levels will benefit from this course.

## Course Content

### Pavement Distress

- Identification
- Causes
- Cures

### Pavement Design

- Thickness Design
  - PaveXpress
  - PerRoad
- Materials Selection
  - Aggregates / Lift Thickness
  - Virgin Binder Selection
  - Recycled Binders
- Mix Design Properties
  - Volumetrics
  - Methods
  - Performance testing
  - Balanced Mix Design

### Construction

- Pavement layer bonding
  - Bonding materials
  - Application rates
- Minimizing segregation and achieving smoothness
  - Mix production
  - Mix delivery
  - Mix placement
- Maximizing density
  - Impact on pavement life
  - Minimizing permeability
  - Longitudinal joints
  - New equipment / technology

### Pavement Preservation

- Timely maintenance
  - Minimizing permeability
  - Reducing oxidation
- Tools in the Toolbox
  - Maintenance alternatives
  - Proper timing

## Seminar Locations/Dates

### **February 19-21**

Highway Sustainability  
Research Center  
University of Massachusetts  
151 Martine Street  
Fall River, MA 02723

### **February 26-28**

The Penn Stater Hotel and  
Conference Center  
215 Innovation Blvd.  
State College, PA 16803

### **March 26-28**

Paragon Technical Services  
390 Carrier Blvd.  
Richland, MS 39218

### **April 1-3**

San Jose Service Yard  
1661 Senter Road  
Training Room: Building G  
San Jose, CA 95112

## Class Schedule

**Day 1:** 1:00 p.m. – 5:00 p.m.

**Day 2:** 8:00 a.m. – 5:00 p.m.  
(Lunch will be provided)

**Day 3:** 8:00 a.m. - Noon

## Fees & Registration

The registration fee is \$695 and due prior to the course date. Fee includes course instruction, refreshments at breaks, lunch on Day 2, and all course materials. You may cancel without penalty up to three weeks prior to the course start date. If you provide the Asphalt Institute less than three weeks' notice, or fail to attend, you will be liable for the entire seminar fee. Substitutions are permitted. Early registration is recommended as the class size is limited.

## Course materials include:

- Asphalt Institute's MS-4 The Asphalt Handbook;
- MS-17 Asphalt Overlays for Highway and Street Rehabilitation;
- IS-215 Quantifying the Effects of PMA for Reducing Pavement Distress;
- Course workbook

## For more information:

Asphalt Institute Headquarters

**Phone:** 859.288.4960

**Fax:** 859.288.4999

**Email:** seminars@  
asphaltinstitute.org

### Mail your completed registration form to:

Asphalt Institute  
2696 Research Park drive  
Lexington, KY 40511-8480

### Fax your completed registration form to:

859.288.4999

### Register online:

www.asphaltacademy.org

### For additional information:

Call 859.288.4960

(Please use photocopies for additional registrations)

Name \_\_\_\_\_

Title \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Office Phone \_\_\_\_\_ Mobile Phone \_\_\_\_\_

Email \_\_\_\_\_

(By providing your email address you give the Asphalt Institute permission to email you.)

## Method of Payment

Complete the registration form and send along with a check (made payable to the Asphalt Institute).

Check

MasterCard

Visa

American Express

Discover

Card Account Number \_\_\_\_\_ Exp. Date \_\_\_\_\_

Cardholder's Name \_\_\_\_\_ Card Security Code \_\_\_\_\_

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