Free Through August: Inspection, Ethics, and Asphalt Binder Content Trainings!

We're excited to launch two new training courses: Inspection of Concrete Pavement Repair: Jointed and CRCP; and Ethics Awareness for Engineers. They're now available in the new AASHTO Store!

Additionally, we wanted to remind you that AASHTO Designation: T 308, covering the Standard Method of Test for Determining Asphalt Binder Content of Hot Mix Asphalt, is also live in the AASHTO Store. Since this test is typically performed this time of year, it's an excellent opportunity for plant technicians, private lab, or contractor employees to refresh their knowledge on this test procedure.

All three courses are available at no cost through August 2018!

**Inspection of Concrete Pavement Repair: Jointed and CRCP**

The course includes critical concepts involved in the successful inspection of concrete highway repairs, including repair options and mixtures, quality assurance practices, jointed pavement and CRCP inspection checks, as well as preventative maintenance inspection.

Upon completion of this course, participants will be able to:

- Explain the purpose of preventative maintenance highway repair activities;
- Summarize the benefits of preventative highway maintenance;
- List the types of concrete mixtures used in highway repairs;
- Explain how concrete mixing is performed;
- Summarize activities the agency inspector should perform to ensure quality;
- List key inspection items when evaluating jointed concrete repairs;
- List key inspection items when evaluating CRCP repairs; and
- List key inspection items when evaluating preventative maintenance repairs of concrete.

**Ethics Awareness for Engineers**

Ethics are moral values that affect personal or professional actions. Professional engineers are expected to exhibit the highest standards of honesty and integrity. Services provided by engineers require honesty, impartiality, fairness, and equity. Engineers must perform their duties in alignment with the highest principles of ethical conduct.

Upon completion of this course, participants will be able to:

- Explain what ethics are and how they are established;
- Describe ethical and unethical behavior;
• Explain what ethics are and how they are established;
• Describe ethical and unethical behavior;
• List guidelines in national codes of ethics from the American Society of Civil Engineers (ASCE) and the National Society of Professional Engineers (NSPE);
• Explain how to develop a code of ethics;
• Explain why an organization should have an established, supported ethical program;
• List the benefits of ethics in the workplace;
• Describe different conflicts of interest; and
• Given a scenario, determine if a conflict of interest has occurred.

AASHTO Designation: T 308

This course explains the importance of asphalt content. It also describes the equipment needed to perform the test procedure, shows how to perform the ignition furnace test procedure (both Method A, internal balance, and Method B, external balance), and instructs how to calculate and apply the correction factors.

Upon completion of the course, participants will be able to:

• Explain the impact asphalt binder content can have on a pavement;
• Define the purpose of the ignition method, as well as the benefits and limitations of the test procedure;
• Understand the basic concepts behind the test procedure;
• Identify the equipment needed to perform the test procedure for both Method A and Method B;
• Understand why correction factors must be determined;
• Explain how to determine the asphalt binder correction factor;
• Explain how to determine the aggregate correction factor;
• Describe how the ignition test is performed for either Method A or Method B;
• Calculate the measured (corrected) asphalt binder content percent for both Method A and Method B;
• Report the test results; and
• Prepare a sample for a gradation analysis according to AASHTO T 308.