The Illinois Semi-Circular Bending Test: Fracture Characterization of Asphalt Mixtures

**DATE:** December 14, 2015  
**TIME:** 3:45 pm – 5:00 pm

**Pre-Registration Required**

**Description:**

The workshop offers an overview of a new protocol developed using the semicircular bending fracture test to determine an asphalt mixtures resistance to cracking. When results of the SCB test are combined with results of other performance tests, balanced mixes with optimum durability and rut resistance can be obtained.

**Outcomes:**

At the conclusion of this workshop the participants will be able to:

- Learn the latest updates to the AASHTO Provisional Test Standards for Illinois Semicircular Bending Test
- Implement the flexibility index to characterize fracture properties of asphalt mixtures and develop balanced mix designs

**Who Can Benefit?**

- Contractors
- Material Suppliers
- Project Inspectors
- Specification Writers

The successful adoption of these improvements will need to be a team effort; therefore both agencies and contractors are the target audience.

For more information about the workshop, please contact:

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**Topics Included:**

- Test preparation and procedures
- Potential cracking mechanisms
- Effect of mixture volumetrics and design on mixes crack resistance
- Data analysis for fracture energy and flexibility index calculations
- Integration of SCB and Hamburg for balanced mix designs