



Asphalt Institute Webinar

Title: Interpreting Asphalt Test Results

Duration: 90 minutes

Instructor: Danny Gierhart, P.E. Asphalt Institute Regional Engineer

Overview: This webinar will present information on the test results associated with asphalt mixtures and their related components that are generated during a project. The purpose of each test will be presented, as well as the potential ramifications of failing test results for each test.

Intended Audience: This webinar is designed for technicians, engineers, facility and asset managers, planners, or others who are called upon to review asphalt-related test results, and would like a better understanding of the commonly reported tests and how to evaluate failing test results. This includes contractors, consultants, engineers, federal agencies such as FAA, FHWA, and military as well as DOD contractors, state, city and county personnel.

Outline:

Each test will be evaluated in light of four basic questions:

- What is the test designed to tell you?
- What are the potential ramifications of a failing test result?
- Are the ramifications major or minor?
- For this test, how much could the degree out of specification affect performance?

Aggregate Tests -

- Gradation (AASHTO T 2, T 27, T 30)
- Sand Equivalent (AASHTO T 176)

Asphalt Mixture Tests -

- Moisture Susceptibility (AASHTO T 283)
- Binder Content by Ignition Oven (AASHTO T 308)
- Lab-Molded Air Void Content (AASHTO T 166, T 312, M 323)
- Voids in the Mineral Aggregate (VMA) (AASHTO M 323)
- Roadway Density (AASHTO T 166)