Airport Paving Clinic  Focusing on P-401 (13.25 PDHs)

This clinic provides focused and detailed guidance on constructing asphalt pavements for Federal Aviation Administration funded airfield pavement projects. Participants will take a deep-dive into the design and production of asphalt mixtures, focusing on the current FAA P-401 specification. Discussion topics will include material specifications, construction guidance, and quality control considerations to construct long-life asphalt pavements in the commercial and general aviation environment.

This clinic will be taught by experienced Asphalt Institute and consulting engineers with decades of airport pavement experience.

The clinic will be based on AC 150/5370-10H. Focus will be placed on the key asphalt-related specification sections necessary for Contractors, Inspectors, Airport staff, Engineers, etc.

- **Highlighted Topics**
  - Asphalt Binders - Performance Grade Selection and Grade Bumping for Airports
  - Asphalt Mix Design and Volumetrics : P-401 Marshall/Gyratory
  - Tack Coat : P-603 (separate pay item under 10H)
  - Asphalt Laydown and Compaction to Achieve P-401 Density Requirements
  - Longitudinal Joint Best Practices
  - Contractor Quality Control Requirements (expanded under 10H)
  - PWL and Acceptance Testing Requirements in P-401

- **Who Should Attend**
The clinic is intended for FAA, state aviation, and airport staff, contractors, inspectors, consulting engineers, testing laboratory personnel, and others who are involved in airport asphalt pavement construction.

- **Clinic Location**
  - **Wirtgen America Center for Training and Technology**
    6040 Dana Way
    Antioch, TN 37013
    615.501.0600
    (Close to Nashville, TN)
  - **Holiday Inn Express & Suites Southeast Antioch**
    201 Crossings Place
    Nashville, TN 37013
    615-731-2361
    (Shuttle service to the facility)

- **Learn about significant changes in the NEWEST version of FAA’s P-401.**
  AC 150/5370-10H brings significant changes to P-401 and other specs pertaining to asphalt paving. Some of these include:
  - Adjusted aggregate gradation bands
  - Minimum lift thickness guidance
  - Tack coat as a separate pay item
  - Contractor quality control : greater emphasis, new requirements and separate pay item
  - New loaded wheel test requirement for both Marshall or gyratory mixes
  - New guidance on PG grade selection
  - Reference Density now theoretical maximum density

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For questions or additional information call 859.288.4960. | Register online at www.asphaltinstitute.org
# May 12, 2020 - Day One

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>7:00 - 8:00 am</td>
<td>Check-in and Registration</td>
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<tr>
<td>8:00 am</td>
<td>Airport Paving Clinic Overview and Introductions</td>
<td>Mark Buncher, Asphalt Institute</td>
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<tr>
<td></td>
<td>Welcome from FAA Southern Region</td>
<td>Anthony Cochran, FAA Southern Region, Airports Division</td>
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<td>Aggregates in Airport Pavement Structures</td>
<td>John Duval, Duval Engineering LLC</td>
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<tr>
<td>9:30 - 9:45 am</td>
<td>BREAK</td>
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<tr>
<td></td>
<td>Asphalt Binders/Selection for Airport Projects</td>
<td>Mark Buncher, Asphalt Institute</td>
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<tr>
<td></td>
<td>HMA Mix Design for Airport Pavements</td>
<td>John Duval, Duval Engineering LLC</td>
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<tr>
<td>12:00 - 1:00 pm</td>
<td>LUNCH</td>
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<td></td>
<td>Example - Review of Contractor Mix Design Submittal</td>
<td>Mark Buncher, Asphalt Institute</td>
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<td></td>
<td>Contractor Quality Control Program</td>
<td>Jarrett Welch, Quality Paving Consultants</td>
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<tr>
<td>2:30 - 2:45 pm</td>
<td>BREAK</td>
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<td>Owner Acceptance Testing / PWL</td>
<td>John Duval, Duval Engineering LLC</td>
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<td>Class Exercise - Pay Factor Analysis</td>
<td>John Duval, Duval Engineering LLC</td>
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<td>Prime Coat, Milling and Patching</td>
<td>Mark Buncher, Asphalt Institute</td>
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<tr>
<td>4:30 - 5:00 pm</td>
<td>Day 1 Review / Q&amp;A</td>
<td>FAA and AI Engineers</td>
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# May 13, 2020 - Day Two

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Tack Coat Best Practices</td>
<td>Mark Buncher, Asphalt Institute</td>
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<td>Paving Operations</td>
<td>Jarrett Welch, Quality Paving Consultants</td>
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<tr>
<td>9:45 - 10:00 am</td>
<td>BREAK</td>
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<tr>
<td></td>
<td>HMA Compaction Operations</td>
<td>Jarrett Welch, Quality Paving Consultants</td>
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<td></td>
<td>Longitudinal Joint Best Practices</td>
<td>Mark Buncher, Asphalt Institute</td>
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<tr>
<td>11:30 - 12:00 pm</td>
<td>Day 2 Review / Q&amp;A</td>
<td>FAA and AI Engineers</td>
</tr>
<tr>
<td>12:00 - 1:00 pm</td>
<td>LUNCH</td>
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<tr>
<td>1:00 pm - 3:00 pm</td>
<td>Equipment Demonstration</td>
<td>Wirtgen America</td>
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Professional Development Hours (PDH)

The clinic will earn attendees 13.25 Professional Development Hours (PDHs).

Clinic Contacts

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Asphalt Institute
2696 Research Park Drive
Lexington, KY 40511
859.288.4972
mbuncher@asphaltinstitute.org

Transfer, Cancellation and Refund Policy

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 fee. Substitutions are permitted. Early registration is recommended as the class size is limited. Call us at 859.288.4960 with any questions or concerns.

Registration Fees and Materials

The registration fee is $695 per person, $595 for State Aviation Officials, $495 for FAA personnel. Registration fees cover all clinic materials, breaks and lunches.

The following publications are included in the registration fee:

• Asphalt Institute MS-2 Mix Design Methods
• Asphalt Institute MS-22 Construction of Hot Mix Asphalt
• Course Workbook Includes all presentations and handouts
• Flash drive with pertinent FAA ACs and other info

Register online: www.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

For additional information, call: 859.288.4960

(Please use photocopies for additional registrations)

Name ____________________________________________
Title ______________________________________________
Organization _______________________________________
Address ___________________________________________
City __________________________________ State _________ Zip _________________
Phone __________________________________ Fax ________________
Email ____________________________________________

(By providing your e-mail address you give the Asphalt Institute permission to e-mail you.)

Method of Payment

Checks should be made payable to the Asphalt Institute.

☐ $695 ☐ $595 (State Aviation Officials) ☐ $495 (FAA Personnel)
☐ Check ☐ MasterCard ☐ Visa ☐ American Express ☐ Discover

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