Asphalt Pavement Design, Construction and Maintenance (22 PDHs)

This workshop provides the most up-to-date information for those designing, constructing and managing asphalt airport pavements. Focus is on current FAA and other applicable industry standards, including specifications, advisory circulars, criteria and policy. Topics covered include pavement design and evaluation, materials, mix design, construction, preservation and rehabilitation practices, along with innovative pavement technologies for airports.

The FAA released a new version of AC 150/5370-10H, from -10G in December 2018. We will take a detailed look at the changes to -10H, including those within item P-401. Learn what these changes mean for Engineers, Contractors and others!

Highlighted Topics
- AC 150 / 5370-10H *NEW*
- FAA Thickness Design
- Maintenance and Rehabilitation Methods
- Quality Control and Assurance
- Pavement Evaluation
- Materials and Construction
- P-401 Specifications, Marshall and Gyratory Mixes

Who Should Attend
The workshop is intended for airport managers and engineers, consultants, engineering personnel, testing laboratory personnel, construction inspectors, and others who have responsibility for airport pavement design, construction, maintenance and rehabilitation.

Conference Location and Lodging
Newport Beach Marriott Hotel & Spa
900 Newport Center Drive, Newport Beach, CA 92660

Room Reservation Deadline: October 14th, 2019
Room Rates: Single / Double $214 + tax, per night
(Reference Asphalt Institute workshop to get this rate.)
Reservations: Reserve rooms by calling 877-622-3056 or 949-640-4000

To Register
$1,395 per person | $1,145 State Aviation Officials | $895 for FAA personnel
Continental breakfast, lunches and breaks are provided each day.
For questions or additional information call 859.288.4960.
Register online at www.asphaltinstitute.org

The technical nature of the workshop was very helpful in learning about the topics covered and the presenters were helpful in answering many questions about actual project related or on-the-job circumstances.

Course was well organized, and speakers were knowledgeable and interesting.

The speakers were well prepared and covered a lot of material.

Very informative and very diverse on the people who attended and discussion topics.
### November 5, 2019 - Day One

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</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>Welcome from FAA Western Pacific Region&lt;br&gt;Mark McClardy, Director, FAA Western Pacific Region, Airports</td>
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<tr>
<td>8:00 am</td>
<td>National FAA/Al Pavement Technical Workshop Program&lt;br&gt;Mark Buncher, Asphalt Institute 1-1</td>
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<td></td>
<td>Airport Pavement Terminology and Distress Identification&lt;br&gt;John Duval, Duval Engineering LLC 1-2</td>
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<td></td>
<td>Overview of Regional Airport System &amp; Pavement Issues&lt;br&gt;Alberto Cruz, FAA Western Pacific Region, Airports 1-3</td>
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<tr>
<td></td>
<td>Overview - FAA Guidance: AAS-100, ACs, EBs, and Website&lt;br&gt;Alberto Cruz, FAA Western Pacific Region, Airports 1-4</td>
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<tr>
<td>10:00 - 10:15 am</td>
<td>BREAK</td>
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<tr>
<td>10:30 am</td>
<td>Pavement Design and Evaluation</td>
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<tr>
<td>12:00 - 1:00 pm</td>
<td>LUNCH</td>
</tr>
<tr>
<td>12:00 - 1:00 pm</td>
<td>Airport Pavement Thickness Design&lt;br&gt;FAARFIELD Software&lt;br&gt;Navneet Garg, FAA Technical Center, Atlantic City, NJ 1-6</td>
</tr>
<tr>
<td>2:45 - 3:00 pm</td>
<td>Class Exercise - FAARFIELD Pavement Design&lt;br&gt;Navneet Garg, FAA Technical Center, Atlantic City, NJ 1-7</td>
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### Material Selection

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>2:45 - 3:00 pm</td>
<td>BREAK</td>
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<tr>
<td>3:15 - 4:15 pm</td>
<td>Asphalt Binders/Selection for Airport Projects&lt;br&gt;Mark Buncher, Asphalt Institute 1-9</td>
</tr>
<tr>
<td>4:30 - 5:30 pm</td>
<td>HMA Mix Design for Airport Pavements--Part I&lt;br&gt;John Duval, Duval Engineering LLC 1-10</td>
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### November 6, 2019 - Day Two

<table>
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<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>HMA Mix Design for Airport Pavements--Part II&lt;br&gt;John Duval, Duval Engineering LLC 2-2</td>
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<tr>
<td>9:45 - 10:00 am</td>
<td>BREAK</td>
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### Mix Design Considerations

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>HMA Mix Design for Airport Pavements--Part II&lt;br&gt;John Duval, Duval Engineering LLC 2-1</td>
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<td>9:45 - 10:00 am</td>
<td>BREAK</td>
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### Construction

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<tr>
<th>Time</th>
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<tr>
<td>8:00 am</td>
<td>Contractor Quality Control Program&lt;br&gt;Jarrett Welch, Quality Pavement Consultants 2-3</td>
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<tr>
<td>9:45 - 10:00 am</td>
<td>BREAK</td>
</tr>
<tr>
<td>10:15 - 11:15 am</td>
<td>Owner Acceptance Testing / PWL&lt;br&gt;John Duval, Duval Engineering LLC 2-4</td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
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| 12:00 - 1:00 pm | Class Exercise - Pay Factor Analysis  
John Duval, Duval Engineering LLC | 2-5                     |
| 12:00 - 1:00 pm | LUNCH                      |                          |
| 2:00 - 2:15 pm   | Prime Coat, Milling and Patching  
Bob Humer, Asphalt Institute | 2-6                     |
| 2:00 - 2:15 pm   | Tack Coat  
Bob Humer, Asphalt Institute | 2-7                     |
| 2:00 - 2:15 pm   | BREAK |                          |
| 2:00 - 2:15 pm   | Paving Operations  
Jarrett Welch, Quality Pavement Consultants | 2-8                     |
| 2:00 - 2:15 pm   | HMA Compaction Operations  
Bob Humer, Asphalt Institute | 2-9                     |
| 4:30 - 5:00 pm   | Day 2 Review/Q&A  
FAA and AI Engineers |                          |
| 4:30 - 5:00 pm   | LUNCH |                          |
| 8:00 am          | Longitudinal Joint Best Practices  
Mark Buncher, Asphalt Institute | 3-1                     |
| 8:00 am          | Runway Surface Considerations  
Alberto Cruz, FAA Western Pacific Region, Airports | 3-2                     |
| 9:30 - 9:45 am   | BREAK |                          |
| 11:30 - 12:30 pm | Crack Sealing of Airport HMA Pavements  
Jason Chamberlain, Crafco | 3-5                     |
| 2:15 - 2:30 pm   | BREAK |                          |
| 2:15 - 2:30 pm   | Warm Mix Asphalt for Airports  
Ron Corun, Associated Asphalt Products | 3-7                     |
| 2:15 - 2:30 pm   | Fuel-Resistant Asphalt Mixes  
Ron Corun, Associated Asphalt Products | 3-8                     |
| 2:15 - 2:30 pm   | Day 3 Review/Q&A  
FAA and AI Engineers |                          |
| 4:00 - 4:30 pm   | Certificates and Adjourn |                          |
**Professional Development Hours (PDH)**

The workshop will earn attendees 22 Professional Development Hours (PDHs).

**Workshop Contacts**

**John Duval, PE**  
AI Consultant/Workshop Manager  
Duval Engineering LLC  
3003 NE 31st Ave  
Portland, OR 97212  
(503) 709-7447  
john@duval.biz

**Alberto Cruz, PE**  
Civil Engineer  
Western Pacific Region, Airports Division  
777 S Aviation Blvd, Ste 150  
El Segundo, CA 90245  
(424) 405-7311  
alberto.cruz@faa.gov

**Mark Buncher, PhD, PE**  
Director of Engineering  
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. If you provide the Asphalt Institute with less than three weeks notice, or fail to attend, you will be liable for the entire seminar fee. You may also send someone to take your place. We appreciate that this is an important investment for you and your company and would like to accommodate your needs the best we can. Therefore, please call us at 859.288.4960.

**Registration Fees and Materials**

The registration fee is $1,395 per person. The registration fee is $1,145 for State Aviation Officials, $895 for FAA personnel. Registration fees cover all workshop 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
- FAA AC 150/5320-6F Airport Pavement Design and Evaluation
- FAA AC 150/5370-10H Standards for Specifying Construction of Airports
- FAA AC 150/5370-13A Off-Peak Construction of HMA
- FAA AC 150/5380-6C Guidelines & Procedures for Maintenance of Airport Pavements
- FAA AC 150/5380-7B Pavement Management System
- Course Workbook Includes all presentations and handouts
- FAARFIELD FAA Airport Pavement Design Software

**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.)

**Special Meal Requests:**  
☐ Gluten Free  
☐ Vegetarian  
☐ Other _______________________

**Method of Payment**

Checks should be made payable to the Asphalt Institute.

☐ $1,395  
☐ $1,145 (State Aviation Officials)  
☐ $895 (FAA Personnel)  
☐ Check  
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