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# Airport Pavement Technical Workshop

## Asphalt Pavement Design, Construction and Maintenance (22 PDHs)



This workshop provides the most current 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.

### ➤ Highlighted Topics

- Recently Updated AC 150/5370-10G
- FAA Thickness Design
- Maintenance and Rehabilitation Methods
- Quality Control and Assurance
- Pavement Evaluation
- Materials and Construction
- P-401 Specifications, Marshall and Gyrotray 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

#### Embassy Suites Hotel Baltimore--at BWI Airport

1300 Concourse Drive, Linthicum, MD 21090, (410) 850-0747

**Room Reservation Deadline:** Friday, Nov. 3, 2017 (based on hotel room availability)

**Room Rates:** Single / Double \$129 + tax, per night  
(Please request group code "ASP" to get this rate.)

**Reservations:** Reserve rooms by calling 410-850-0747 | [Website Link](#)

### ➤ To Register

**\$1,195 per person | \$795 for FAA personnel | \$995 State Aviation Officials**

Continental breakfast, lunches and breaks are provided each day.

For questions or additional information call **859.288.4960**.

Register online at [www.asphaltinstitute.org](http://www.asphaltinstitute.org)

**NOV. 14 - 16, 2017**

**Baltimore, Maryland**



*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*





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# Airport Pavement Technical Workshop

## Program | Baltimore, Maryland

### November 14, 2017 - Day One

7:00 - 8:00 am	Check-in and Registration	
	Welcome from FAA Eastern Region Steve Urlass, FAA Eastern Region, Airports Division	1-0
	National FAA/AI Pavement Technical Workshop Program Mark Buncher, Asphalt Institute	1-1
	Airport Pavement Terminology and Distress Identification John Duval, Pavement Services, Inc.	1-2
	Overview of Regional Airport System & Pavement Issues Guillermo Felix, FAA Eastern Region, Airports Division	1-3
	Overview - FAA Guidance: AAS-100, ACs, EBs, and Website Greg Cline, FAA HQ, Washington DC	1-4

10:00 - 10:15 am BREAK

### Pavement Design and Evaluation

	Airport Pavement Evaluation & Design Concepts Jeff Gagnon, FAA William J. Hughes Technical Center	1-5
12:00 - 1:00 pm	LUNCH	
	Airport Pavement Thickness Design FAARFIELD Software Jeff Gagnon, FAA William J. Hughes Technical Center	1-6
	Class Exercise - FAARFIELD Pavement Design Jeff Gagnon, FAA William J. Hughes Technical Center	1-7

**Workshops, Times and Presenters are subject to change without notice!**

*Participants are encouraged to bring laptop computers to work classroom examples in FAARFIELD during the workshop.*

*Please install the latest versions of FAARFIELD and COMFAA prior to the workshop. Software is available at:*

[http://www.faa.gov/airports/engineering/design\\_software/](http://www.faa.gov/airports/engineering/design_software/)

### Material Selection

	Aggregates in Airport Pavement Structures Greg Harder, Asphalt Institute	1-8
2:45 - 3:00 pm	BREAK	
	Asphalt Binders / Selection for Airport Projects Mark Buncher, Asphalt Institute	1-9
	Operational Safety for Airport Pavement Construction Guillermo Felix, FAA Eastern Region, Airports Division	1-10
4:30 - 5:00 pm	Day 1 Review / Q&A FAA and AI Engineers	

### November 15, 2017 - Day Two

#### Mix Design Considerations

8:00 am	HMA Mix Design for Airport Pavements John Duval, Pavement Services, Inc.	2-1
	Example - Review of Contractor Mix Design Submittal Mark Buncher, Asphalt Institute	2-2

10:15 - 10:30 am BREAK

#### Construction

	Construction Quality Control and Acceptance Testing Overview Greg Cline, FAA HQ, Washington DC	2-3
	Contractor Quality Control Program Jarrett Welch, Quality Paving Consultants	2-4





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## Program (cont.) | Baltimore, Maryland

	Owner Acceptance Testing / PWL John Duval, Pavement Services, Inc.	2-5
12:00 - 1:00 pm	LUNCH	
	Class Exercise - Pay Factor Analysis John Duval, Pavement Services, Inc.	2-6
	Preparation for Paving Greg Harder, Asphalt Institute	2-7
2:00 - 2:15 pm	BREAK	
	Paving Operations Jarrett Welch, Quality Paving Consultants	2-8
	HMA Compaction Operations Greg Harder, Asphalt Institute	2-9
4:30 - 5:00 pm	Day 2 Review / Q&A FAA and AI Engineers	

### November 16, 2017 - Day Three

#### Construction (continued)

8:00 am	Runway Surface Considerations Greg Cline, FAA HQ, Washington DC	3-1
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#### Pavement Management and Preservation

	Pavement Management Concepts Wayne Seiler, All About Pavements (API)	3-2
9:45 - 10:00 am	BREAK	
	Airport Pavement Preservation Greg Cline, FAA HQ, Washington DC	3-3
	Surface Treatments for Airport Pavements Eric Reimschiessel, American Pavement Preservation	3-4
	Crack Sealing of Airport HMA Pavements Tom Pfluelb, Crafc0	3-5
12:00 - 1:00 pm	LUNCH	
	Full Depth Asphalt Patching Greg Harder, Asphalt Institute	3-6

#### Pavement Rehabilitation

	Rehabilitation of Concrete Pavement with HMA Mark Buncher, Asphalt Institute	3-7
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#### Innovative Technologies

2:15 - 2:30 pm	BREAK	
	Warm Mix Asphalt for Airports Ron Corun, Associated Asphalt Products	3-8
	Fuel-Resistant Asphalt Mixes Ron Corun, Associated Asphalt Products	3-9
	Day 3 Review/Q&A FAA and AI Engineers	
4:30 pm	Certificates and Adjourn	

# Airport Pavement Technical Workshop

Asphalt Pavement Design, Construction and Maintenance

November 14-16, 2017 | Baltimore, Maryland



## Registration Form

### Professional Development Hours (PDH)

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

### Workshop Contacts

**John Duval, P.E.**  
**AI Consultant/Workshop Manager**  
Pavement Services, Inc.  
6026 NE 112th Avenue  
Portland, OR 97220  
503.235.0377  
[john@psipdx.com](mailto:john@psipdx.com)

**Guillermo Felix, P.E.**  
**Civil Engineer**  
Eastern Region, Airports Division  
1 Aviation Plaza  
Jamaica, NY 11434  
[guillermo.felix@faa.gov](mailto:guillermo.felix@faa.gov)

**Mark Buncher, Ph.D., P.E.**  
**Director of Engineering**  
Asphalt Institute  
2696 Research Park Drive  
Lexington, KY 40511  
859.288.4972  
[mbuncher@asphaltinstitute.org](mailto: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 \$1,195 per person. The registration fee for FAA personnel is \$795. \$995 State Aviation Officials. The fee covers all workshop materials and costs including 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 00-2             | Advisory Circular Checklist                                  |
| • FAA AC 150/5320-6E      | Airport Pavement Design and Evaluation                       |
| • FAA AC 150/5370-10G     | 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](http://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.

- \$1,195  \$795 (FAA Personnel)  \$995 (State Aviation Officials)  
 Check  MasterCard  Visa  American Express  Discover

Card Account Number \_\_\_\_\_

Card Security Number \_\_\_\_\_ (3 digits on back of card) Exp. Date \_\_\_\_\_

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