

Asphalt Institute Update

AMAP Annual Meeting

February 10, 2009

Sedona, AZ

AI Leadership for 2009

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Chairman

Ralph Shirts, ExxonMobil, (Fairfax, VA)

Vice Chairman

Bill Thorpe, Paramount Petroleum,
(Paramount, CA)

Vice Presidents

Bob Dohmen, BP Bitumen (Portage, WI)

Bill Kirk, Associated Asphalt (Roanoke, VA)

Bob Redd, U.S. Oil Trading Co (Tacoma, WA)



AI Training Courses in Early 2009

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- Asphalt Academy at AI HQs (Jan–Mar)
 - Binders, 3 & 4 day courses
 - Mix Design, 4-days
 - Bailey Method, 3-days
- Away from HQs
 - Intro. To Bailey Method, 1-day
 - Several forming
 - Quality Construction, 1-day
 - Four western cities (Early Summer)



Airport Pavement Workshops

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Airport Pavement Workshop

Asphalt Pavement Design, Construction, and Maintenance

October 7 - 9, 2008 | Seattle, Washington
(Day 1 Start Time 8:00 a.m.)

The goal of this workshop is to provide up-to-date information for those designing, constructing, and managing asphalt airport pavements. This will include a review of current specifications and advisory circulars and detailed descriptions of materials as well as pavement design, construction, and preservation practices for airports.

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

Conference Location and Lodging
Holiday Inn Sea-Tac Airport
17338 International Blvd.
Seattle, WA 98188
Reservations: (877) 573-2522
Reservation Deadline: Sept. 8, 2008
Room Rate: \$116*/Night + Tax

*Please request Airport Pavement Workshop Rate

To Register
\$895 per person | \$545 for FAA personnel
For questions, contact the Seminar Coordinator at
(859)288-4964.
Register on-line at www.asphaltinstitute.org

Sponsored by the FEDERAL AVIATION ADMINISTRATION and the ASPHALT INSTITUTE

Highlighted Topics
▲ FAA Thickness Design
▲ Pavement Evaluation
▲ Maintenance and Rehabilitation Methods
▲ Materials and Construction
▲ Quality Control and Assurance
▲ P-401 and Superpave Specifications

*“Wonderful selection of instructions—clearly industry experts—great contacts made—my personnel will be in attendance at future courses.
Overall, great course and highly recommended.
The training materials are some of the best I’ve seen compared to other conferences.”*



- Rotate in FAA Regions
 - April 7-9, 2009 in Rosemont, IL
 - Fall offering TBA
- Airfield Specific Topics
 - Materials
 - Structural Design
 - Construction & Rehab
 - QC/QA
 - Pavement Management
 - Preservation & Maintenance
 - Region Specific Issues

Examples of Private Training

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- Customized Sessions
 - For member companies, contractors and agencies
 - half day to multiple days
 - U.S. and abroad
- State Technician Certification Programs
- Intro to Bailey Method
- Pre-con Workshops for Airfield Projects
- 1-Day Program at NPE-East
- ½-Day Program at NPE-West

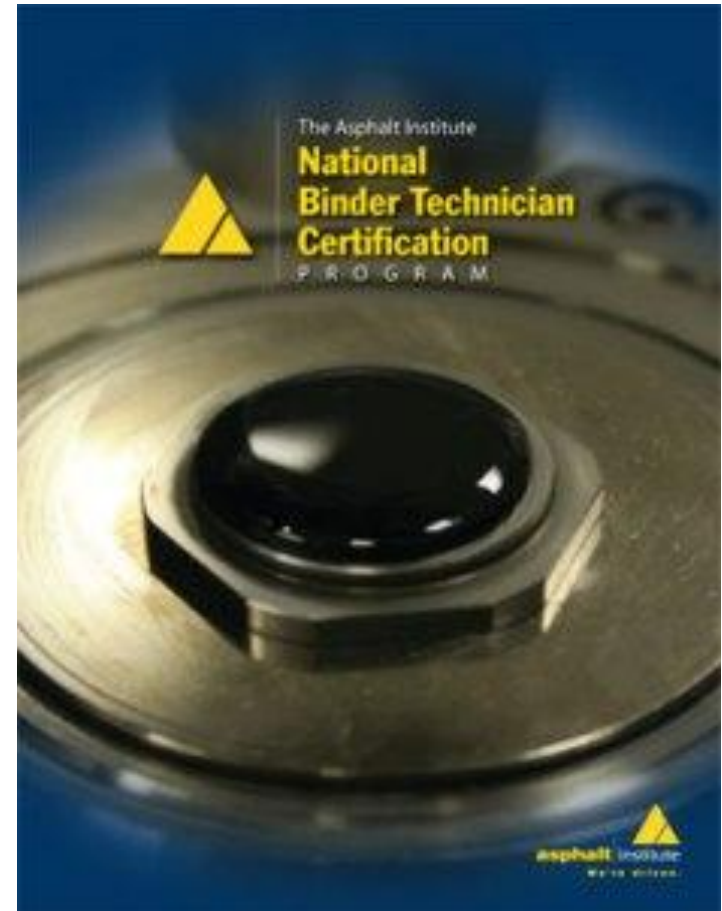


National Binder Technician Certification (NBTC) Program

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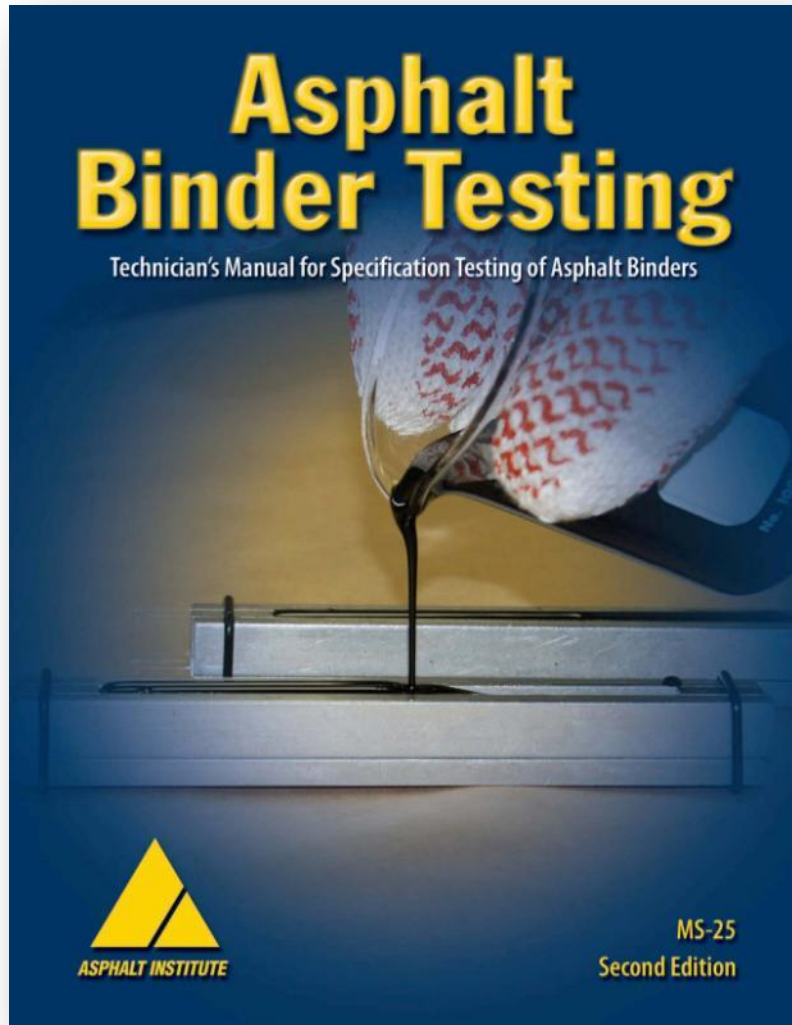
AI Certification Vision

To provide a consistent nationwide means of ensuring that asphalt binder technicians are knowledgeable and fully qualified to produce valid specification compliance and quality assurance data.



MS-25

Asphalt Binder Testing (2nd ed.) asphalt institute



- New Edition
 - Released early Jan '09
 - Price: \$130
- Updated Content
- Primary text for AI's National Binder Technician Certification (NBTC) program



Implementation of MSCR

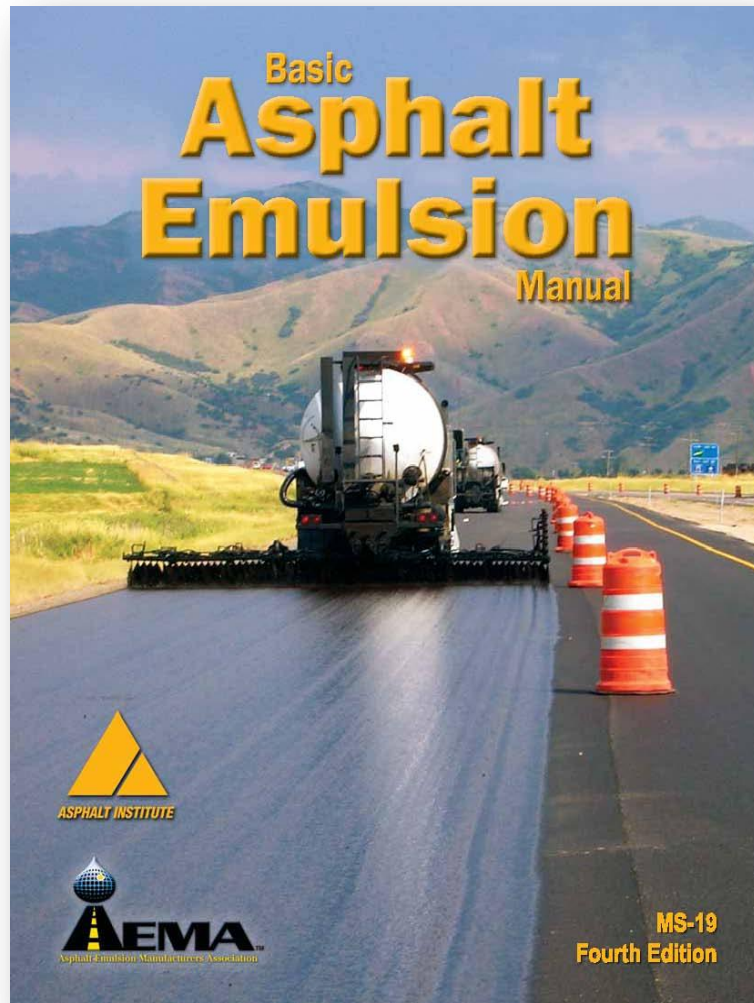
- AASHTO M320 Table 3
 - New Table in PG Binder Specification
 - Uses MSCR Test to Replace $G^*/\sin \delta$
 - Non-recoverable creep compliance, J_{nr}
 - After RTFO aging
 - Uses DSR (i.e., no new equipment)
 - Proposed as Result of Research by FHWA, Binder ETG

Assisting FHWA and Binder ETG with Implementation

- Precision Study
- Informational Brochure
- Educational Seminar
- Mixture Validation

Basic Asphalt Emulsion Manual

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- MS-19; New Edition
 - Released early Jan '09
 - Price: \$60
- AI, AEMA co-publishers
- Joint AI and AEMA Technical Writing Team
- Complete Rewrite of Content



AI Regional Engineer Offices and User Producer Groups

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Alaska

Dave Johnson

Sandy Brown

Carlos Rosenberger

Mark Blow

Wayne Jones

Bob Horan

Bob Humer

AI HQs
& Lab

Danny
Gierhart

Hawaii



Regional Engineer “Research”

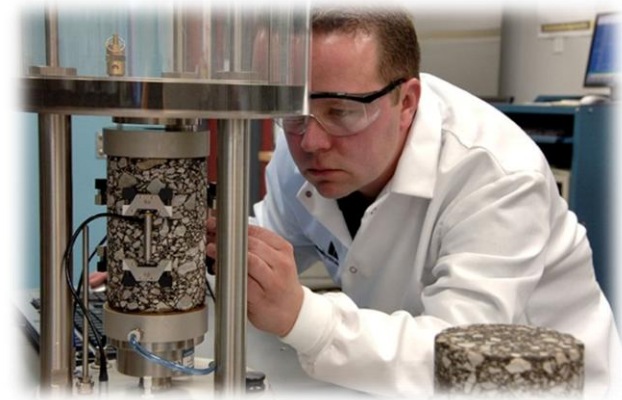
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- Intelligent Compaction Implementation
 - FHWA Co-op agreement
- AAPTP 06-05: Utilization of State Specs for Airfield Pavements
 - Developing a “Guideline Document” for converting a state spec for highway pavement into a state spec for airport pavement.
 - Addresses critical elements and criteria required for airfields
 - On track for 1st Qtr 2009 completion



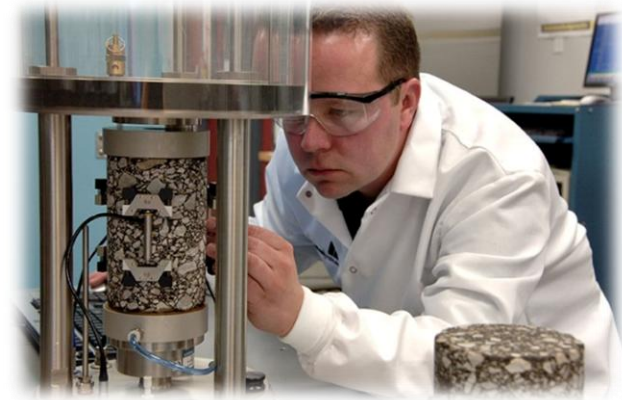
Current Research at AI Performance Lab

- **Research, Member and non-member testing with the following tests**
 - Beam Fatigue
 - Dynamic modulus (E^*)
 - Flow number
 - Simple Performance Test
 - Repeated shear at constant height for rutting
 - Shear Modulus (G^*) Frequency Sweep for stiffness



Current Research at AI Performance Lab

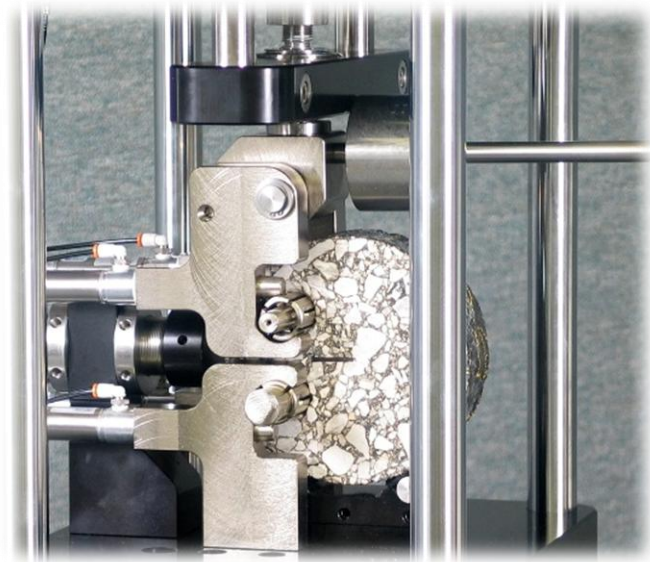
- **Completed UK Density Study, Phase 1 in June 2008**
 - Measures air void effect on rutting, fatigue, and modulus
 - Report available
 - Possible Phase II in 2010
- **Completed AAPTTP, Phase 1 on May 31, 2008**
 - Evaluated lab aging effect on two asphalt mixtures and DC(t) energy mix test
 - Report available



New for 2009

- **AAPTTP Lab Aging Study, Phase 2**

- Larger study is evaluating environmental aging effects on air field pavements
- AI is subcontractor to AMEC (Doug Hanson)
- What mix test can be used to predict non-load cracking in air field pavements?
- Includes binder and mix testing



Industry Health Studies Review

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- Sponsored by IARC Preparation Steering Committee
- **Internal**, in-depth review of recent, key health-effect studies
- 2 programs;
 - 1 in US in May (AI hosts)
 - 1 in Europe in September



Industry Health Studies Review

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- *AI sponsored studies*
- **Internal**, in-depth review of recent, key health-effect studies
- 1day program
- May 6, 2009
- Chicago, IL
- AI/AREC Skin Painting
- Potentially others



Industry Health Studies Review

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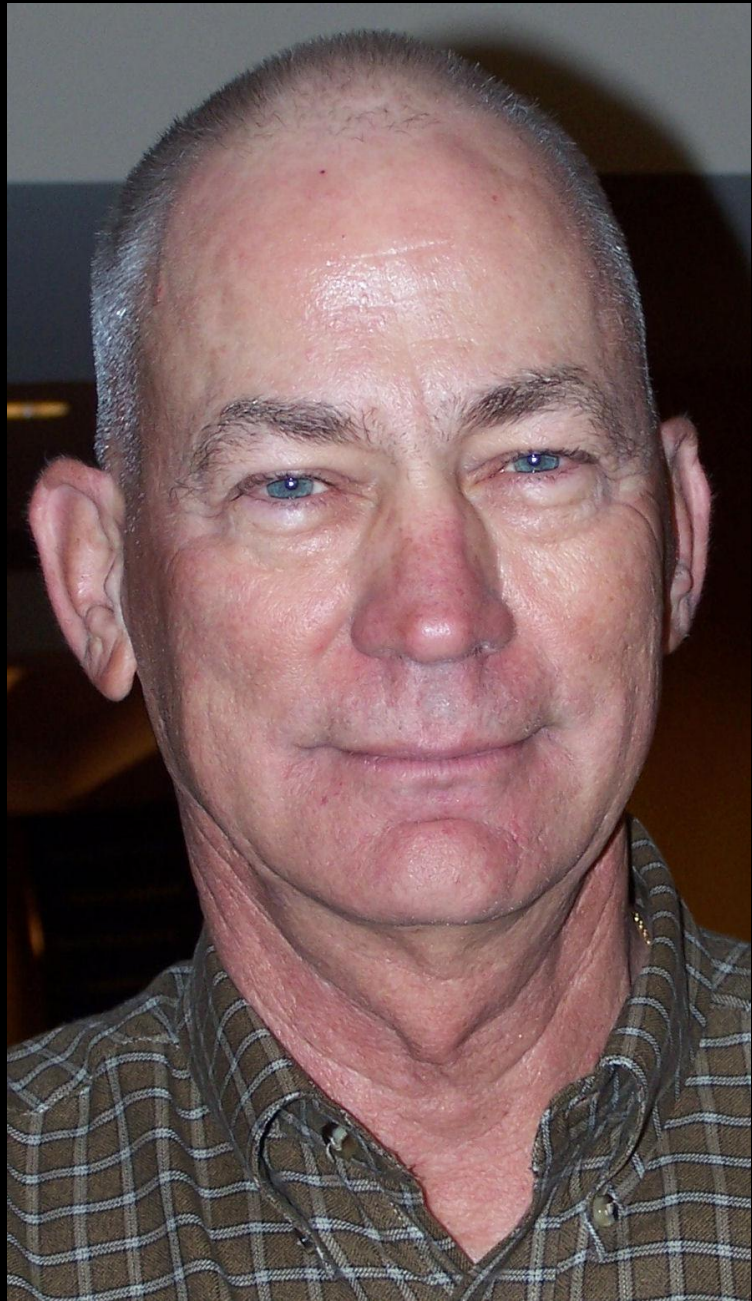
- Sponsored by IARC Preparation Steering Committee
- **Internal**, in-depth review of recent, key health-effect studies
- 1-1/2 day program
- September 16-17, 2009
- Rome, IT



Honoring 2008 Chairman

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Roll of Honor – Dave Jones

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Roll of Honor – Knut Sorras

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AI 2009 Spring Meeting

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April 15 – 17, 2009

Williamsburg Lodge in Williamsburg, VA



AI 2009 Summer Meeting

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Hyatt Tamaya in Santa Ana Pueblo, NM
August 5 – 7, 2009



AI 2009 Board Meeting

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Annual Meeting



December 2 - 4, 2009

Hyatt Regency Coconut Point

5001 Coconut Rd.

Bonita Springs, FL 34134

Ph: 239-444-1234

Room Rate - \$199 Single/Double

www.coconutpoint.hyatt.com

Bonita Springs, FL



Recent APA Events



- APA Strategy Session;
Philadelphia, PA April 20 – May 1
- APA Steering Committee Meeting;
BWI Airport May 13
- APA Team Leader's Meeting
Louisville, KY July 8
- APA Steering Committee Meeting;
Orlando, FL Nov 19

Developed Strategic Goals

- Proactively build a strong, positive **BRAND** identity for asphalt pavements
- Strengthen the **ECONOMIC** case for asphalt pavements
- Educate the public and decision makers about the **ENVIRONMENTal** sustainability of asphalt pavements
- Develop resources to further the **ENGINEERING** excellence of asphalt pavements

Budget



- APA's budget was reduced to \$200K total for 2009; large cash position in account
- Reduce the trade shows, reduce advertising, nothing "new"
- Budget was not approved by Steering Committee
- SC requested that E-teams prepare cost estimates for priority new items and submit for budget review

APA future directions



- Desire is to keep the momentum going
 - A lot of sweat equity in the E-Teams
- What budget items could be further reduced or cut for new initiatives? Additional funding options?
- Must still refine and present '09 APA budget for Steering Committee approval
- Will involve continued Brand/Image – 3E team work

New Challenges



- Concrete industry communications campaign
 - Radio spots in local markets, press releases
- PCA's report "*Paving: The New Realities*"
- APA took bigger view
 - *Asphalt Pavement: Meeting The Challenge For America*
 - *Price and Supply of Asphalt - Setting the Record Straight*

MEMBER COMPANIES



AFFILIATE MEMBERS

