

SUMMARY
TRB A2D05 – “General Issues in Asphalt Technology”
Indianapolis, Indiana
April 7-9, 2003

Prepared by Bob Horan, District Engineer, Asphalt Institute

The Asphalt Institute provides funding for this TRB committee which is one of the only ones that does not hold its annual meeting during the TRB Annual meeting in January in Washington, D.C. AI members that serve on the Committee are Frank Fee, Citgo Asphalt Refining Company, Gayle King, Koch Pavement Solutions and Gerry Huber, Heritage Group (Asphalt Materials). The Heritage Group hosted the meeting and provided a tour of their facility and a visit to Indianapolis Motor Speedway. On the first day, fourteen members and twelve guests were present. Guests were from INDOT, North Central Superpave Center, Purdue University and the Heritage Group. Highlights of the meeting follow:

- **Committee membership** – currently only 2 of 20 members are DOT representatives. Chairman Button invites suggestions on names of candidates for additional DOT members. **Any suggestions from AI staff or membership?**
- **Review of 2003 TRB Annual Meeting sessions/workshops sponsored or co-sponsored by A2D05**
 - Workshop: “Long-Term Warranties on Asphalt Pavements”
 - Session: “Rehabilitation of HMA Using CIR and Reclamation”
 - Session: “Performance-Related Testing Procedures for HMA Mixes and Pavements”
 - Session: “Recent Developments in Asphalt Concrete Mixture Testing”
 - Session: “Long-Term Performance of HMA Containing Modified Binders”

All were well attended and addressed the subjects well. Scott Shuler and Gayle King will work on another session on warranties for the 2004 meeting.

- **Proposed sessions/workshops to be sponsored by A2D05 during 2004 TRB annual meeting**
 - Workshop “Warranties on Asphalt Pavements”
 - Session “Importance of Aggregate Structure on HMA Performance”
 - Session “Black Side Up – HMA Construction”
 - Session “Integration of Mix Design into Mechanistic Pavement Design”
 - Session: “Racetrack Pavement Design and Construction”
- **Proposed National Cooperative Highway Research Program (NCHRP) Syntheses sponsored by A2D05 and authors**
 - “Speed of Construction” – Denis Donnelly (proposal submitted last year)
 - “Improving Fatigue Criteria within Superpave to Ensure Longer-lasting Pavements” - Gayle King
 - “QC/QA State of the Practice” – Gerry Huber
 - “Tack Coats for HMA Overlays” – Joe Button and Skip Paul
- **Proposed Circulars, State-of the Art Reports and TR News Articles and authors:**
 - Circular: “Performance Tests for HMA” – Frank Fee
 - TR News article: “Warm Mix” – Dave Newcomb
 - TR News article: “Pavement Noise” – Joe Button, Don Watson (Doug Hanson, Larry Scofield)
- **Research Needs Statements to be submitted by A2D05:**
 - “Tack Coat for HMA Overlays” – Joe Button, Jim Sherocman and Skip Paul
 - “Performance Life of Asphalt Pavements” – Denis Donnelly
 - “Low Cost, High Quality HMA & Mix Design for Asphalt Overlays” (two may be combined) – Ron Collins
 - “Compaction of HMA” – Ron Collins, Frank Fee, Jim Sherocman
 - “Avoiding Moisture Susceptible Asphalt Mixtures” – Barry Takallou
- **Presentations by Agencies and Organizations** included one of special interest for AI given by Gayle King on sulfur asphalt and the renewed effort by the Sulfur Institute to promote this material as an asphalt extender. The issues of concern are possible exposure to H₂S and recycling the sulfur extended asphalt at the end of its life. Since the AREC is currently involved in this discussion with the Sulfur Institute, it was decided that no action was needed by this Committee. Bob Horan’s “AI Update” presentation is attached.

- Please call Bob Horan @ (804) 537-5293 for more detail on specific items.