

Association of Modified Asphalt Producers

APA Update

Orlando, FL

February 14, 2006

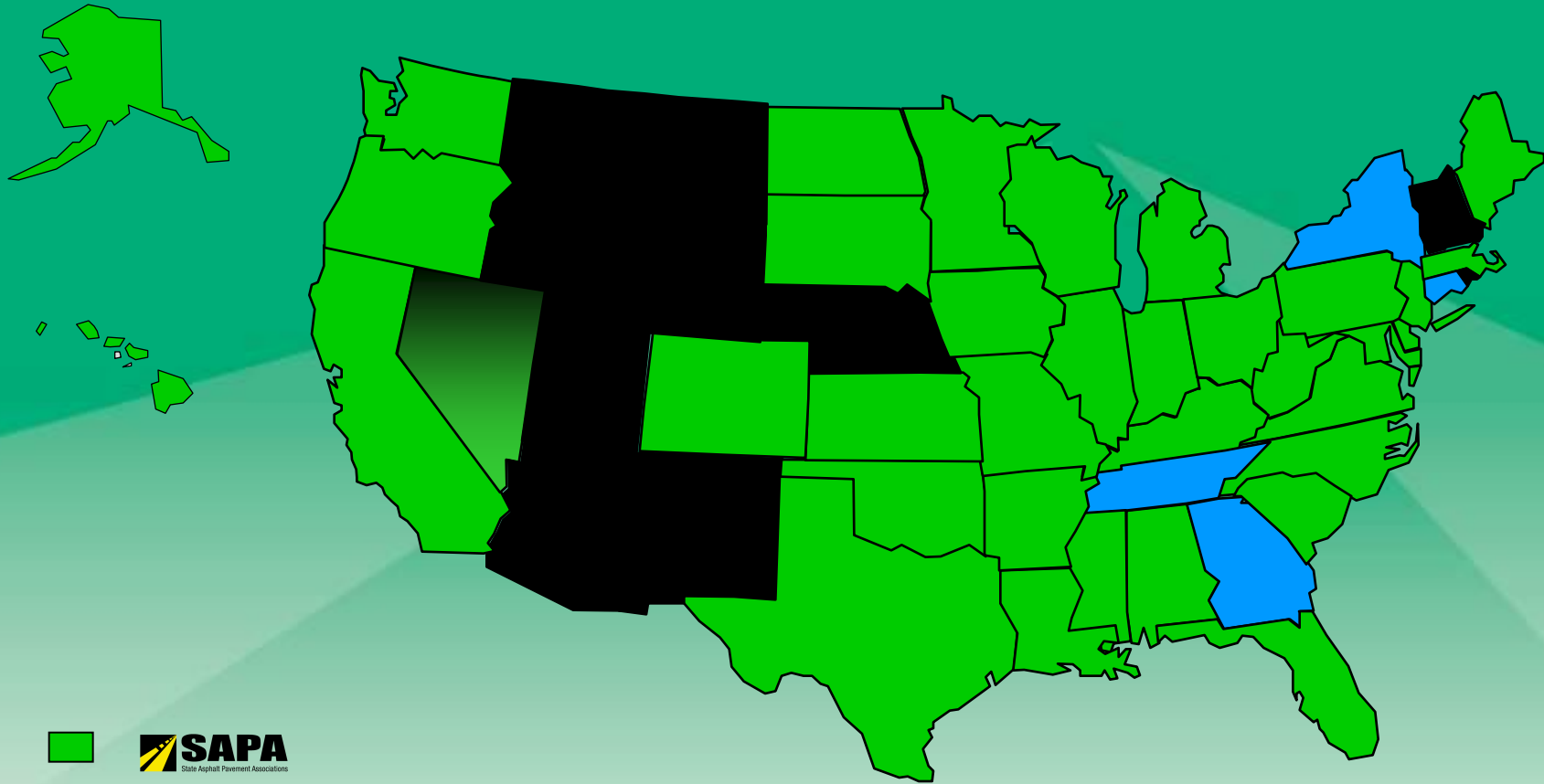
APA Partners



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State APA's



SAPA
State Asphalt Pavement Associations



Other state organizations

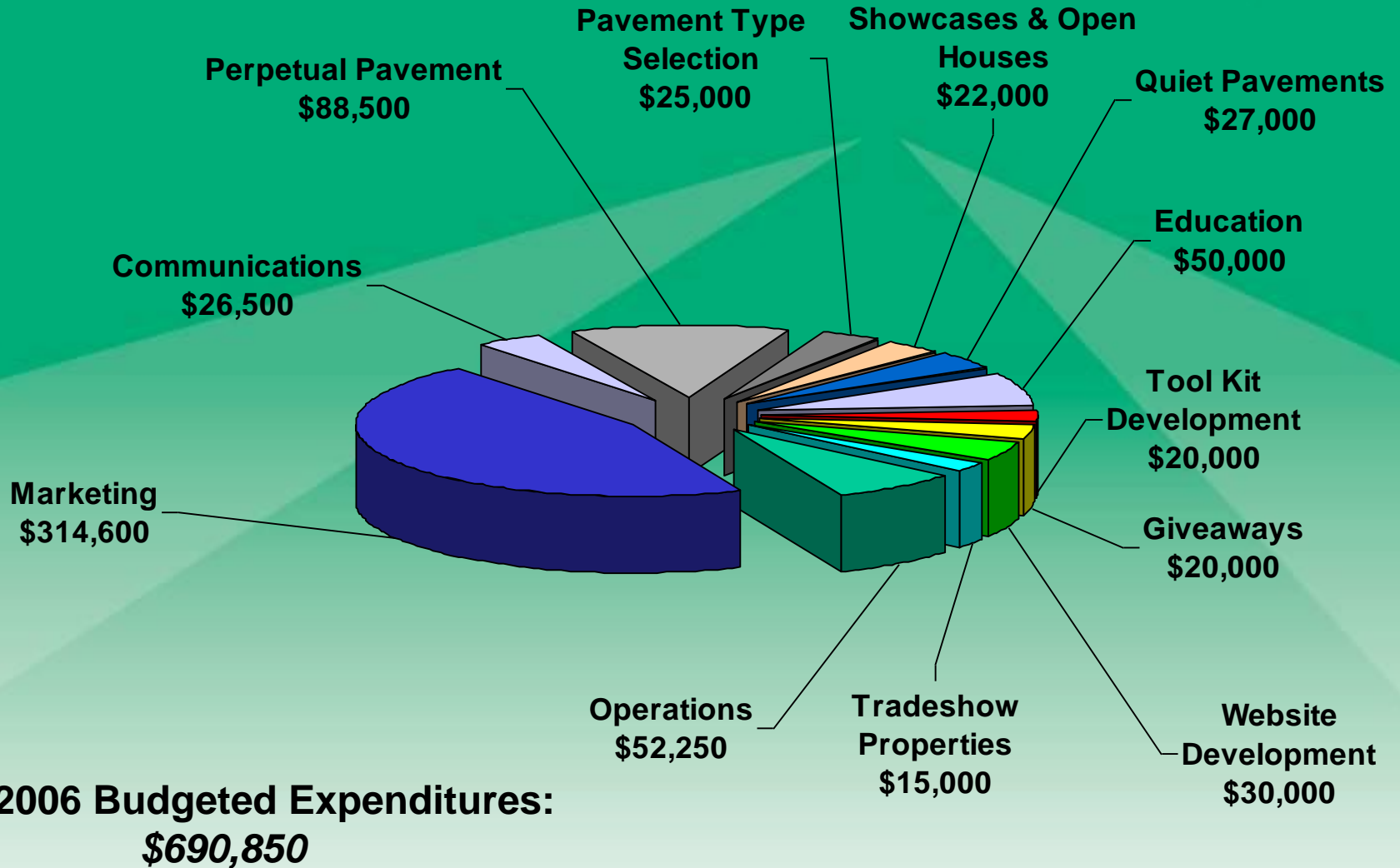


No state associations

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2006 APA Budget



Top 10 Selling APA Items

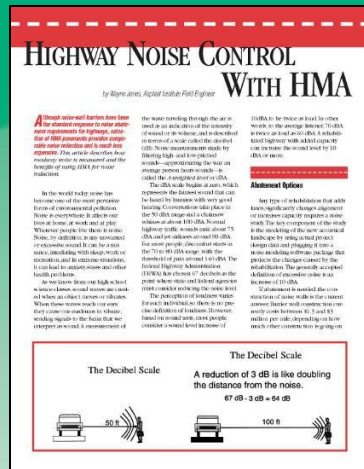


1. Hard Hat Decal
(1,717)

2. Bumper Sticker
(1,535)

3. Button
(1,397)

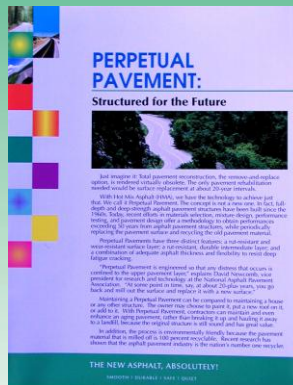
5. Bumper Sticker
(451)



6. ASPHALT reprint
(203)



7. Tradeshow Bag
(200)

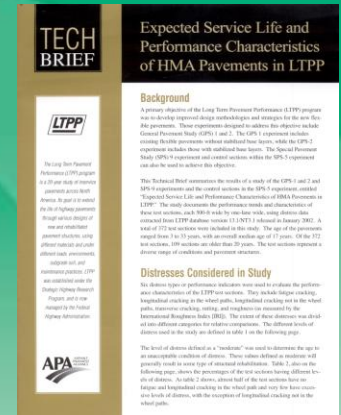


8. Perpetual Pavement
Brochure
(189)

4. Construction Barrel
Stress Reliever
(577)



9. New Asphalt Brochure
(186)



10. Tech Brief
(169)

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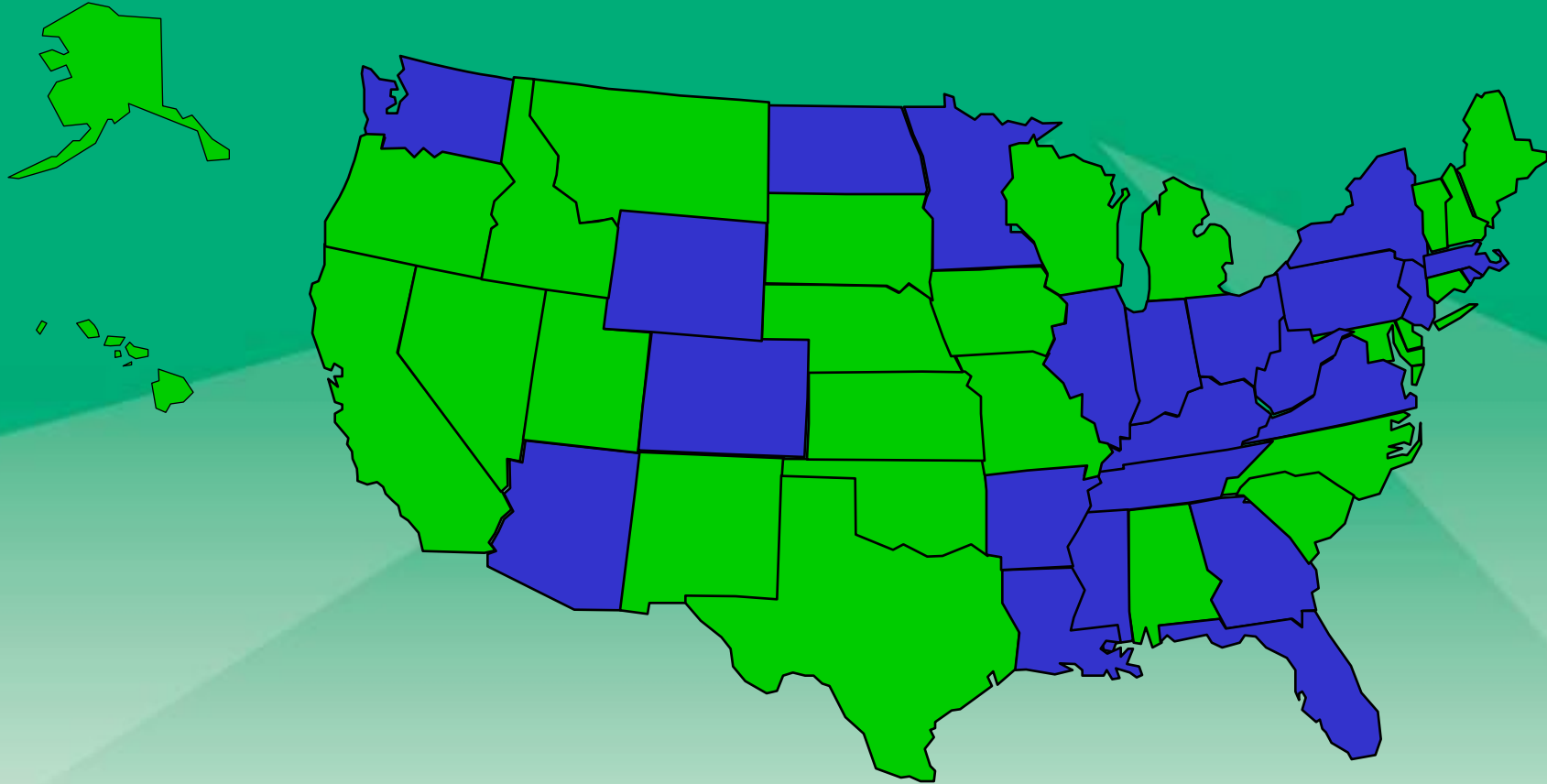
Magazine Ad/Website Requests



- **APA receives request for more information from readers of the following trade journals and location:**
 - Roads & Bridges
 - Public Works
 - CE News
 - Better Roads
 - APA Website
- **Most requests come from (1st) APA website and (2nd) Roads & Bridges**
- **Most requests are for more information on:**
 - Quiet Pavement
 - The New Asphalt
 - Perpetual Pavement
- **Most requests come from:**
 - CA, FL, NY and TX

***The APA received
over 250 ad and
website requests for
more information in
2005!***

Where was the APA in 2005?



States hosting APA supported events in 2005

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2006 Trade Show List (tentative)



(NCUPG) North Central Asphalt User/Producer Group

(SASHTO) Southeastern Association of State Highway and Transportation Officials Quality Conference

(NACE) National Association of County Engineers Annual Conference

Tri-Service (Military) Transportation Systems Workshop

Southeastern Pavement Management & Design Conference

Association of State Highway Engineers (ASHE)

(AASHTO) American Association of State Highway and Transportation Officials Value Engineering Conference

(WASHTO) Western Association of State Highway and Transportation Officials Annual Meeting

(NCSL) National Conference of State Legislatures Annual Meeting & Exhibition

(SASHTO) Southeastern Association of State Highway and Transportation Officials Annual Meeting

(AASHTO) American Association of State Highway and Transportation Officials Annual Meeting

(APWA) American Public Works Association Annual Conference

(ICMA) International City/County Management Association Annual Conference & Educational Expo

TRB Noise Committee ADC40 Summer Meeting

Southeastern User Producer Group (SEAUPG) Meeting

(NLC) National League of Cities Congress and Expo

New Trade Show Booth



Full Booth Set

- (1) 10 X 10 Display
- (2) Podium Counter
- (3) Literature Rack
- (4) 10 x 10 Logo Floor
- (5) Media Case
(Monitor & DVD Player goes on top of podium)



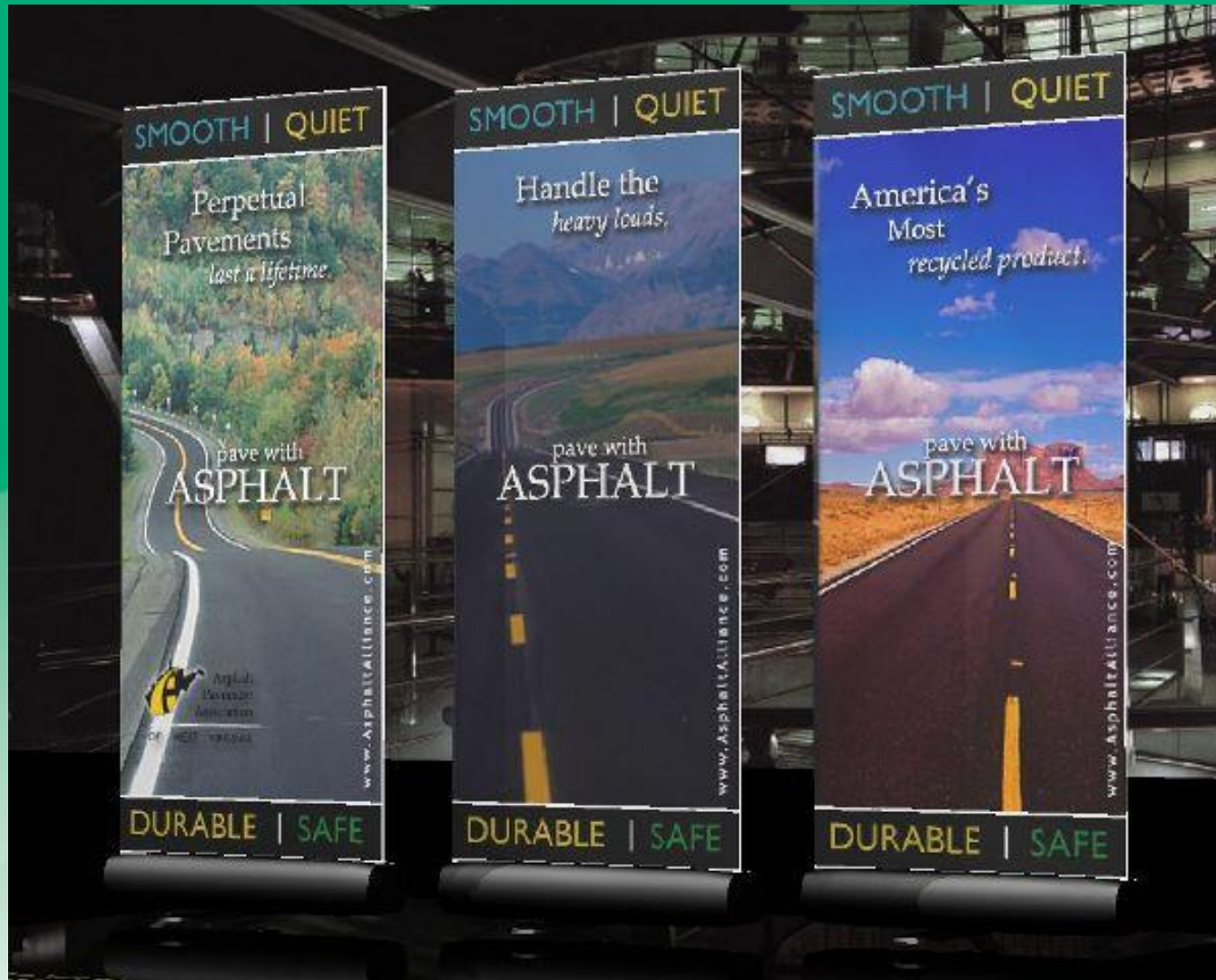
Properties can be ordered per piece or as a full set.

New Tabletop



- Requires 6 ft. table
- Can be used with:
 - *Banners*
 - *Logo Floor*
 - *Podium*
 - *Literature Rack*
 - *APA Materials*
 - *Media Case*

New Banner Ups (in progress)



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APA's presence counts



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New Tradeshow Program Options



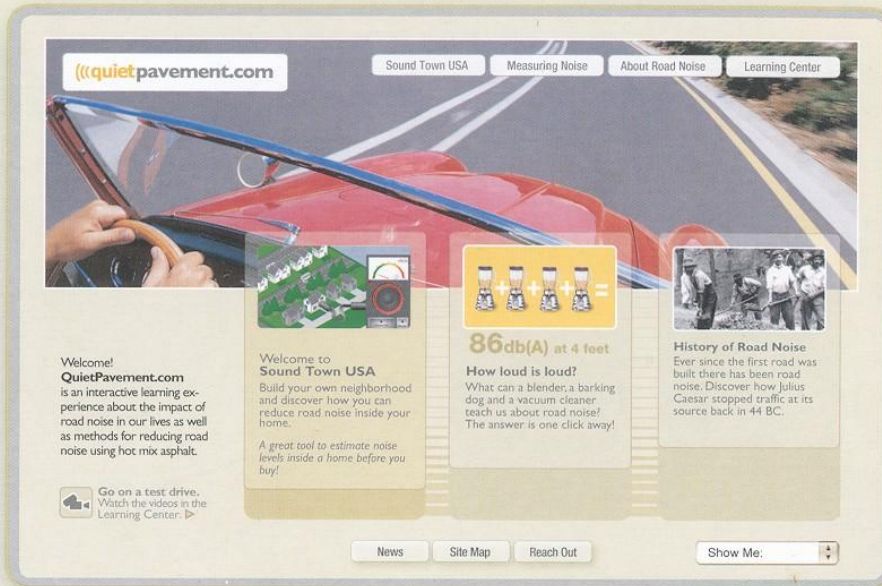
- Order a set of 3 banner-ups of their choosing (including their logo)
- Lease the new APA booth, banners or tabletop from the APA
- Purchase existing properties

Using APA Properties



- See APA website for tradeshow property options, reservation information.
- APA tradeshow vendor (Opera) direct ships booths to the tradeshow event.
- Opera provides a 24 hour toll-free service line will be available for assembly questions and/or shipping instructions.

How can quiet pavement technology reduce road noise?



Learn more at www.quietpavement.com

Award Winning...



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...7 Awards Received to Date



Best of Show, Judges Choice and Gold ADDY

- (3 awards) Lexington Ad Club

Webby Worthy

- 2005 Web Awards, The International Academy of Digital Arts and Sciences



Outstanding Web Site

- Web Marketing Association

Award for Interactivity

- Construction Writers Association

Gold Award for Interactive Learning Experience

- Association TRENDS



Perpetual Pavement Awards



Winners Include:

- Alabama DOT - 2005
- Arizona DOT
- California DOT
- Colorado DOT
- Connecticut DOT - 2005
- Erickson AFB Airport Runway
- Illinois DOT
- Iowa DOT
- Maryland DOT - 2005
- Minnesota DOT - 2005
- Mississippi - 2005
- Missouri DOT
- Montana DOT - 2005
- Nebraska DOT
- New Jersey DOT
- Oklahoma DOT
- Ohio DOT
- South Carolina DOT - 2005
- Tennessee DOT - 2005
- Texas DOT- 2005
- Washington Reagan Airport
- Don Valley Parkway-CANADA



*APA Perpetual
Pavement
Award*

“This award honors asphalt pavements that were designed and built with outstanding care and exceptional quality. The result is a long-lasting pavement, one that serves the traveling public well, provides true value to the taxpayers, and demonstrates both the convenience and the quality of asphalt pavement”



2004 Award Recipients

Regional Meetings



- One regional meeting this year:
 - Scranton, PA
 - April 4, 2006
 - Future details will be placed on APA website



Specialty Conferences



- **Asphalt Pavement Conference**
“Superpave”

March 17 – 19, 2003
Nashville, Tennessee

- **Asphalt Pavement Conference**
“21st Century Construction

March 15 – 16, 2004
Nashville, Tennessee

Coming...

- **Asphalt Pavement Conference**
“Environmental Innovations in Asphalt”

March 13 – 14, 2006
Orlando, Florida



*The APC conference is held in conjunction
with the World of Asphalt Show & Exposition*

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Showcases / Open Houses

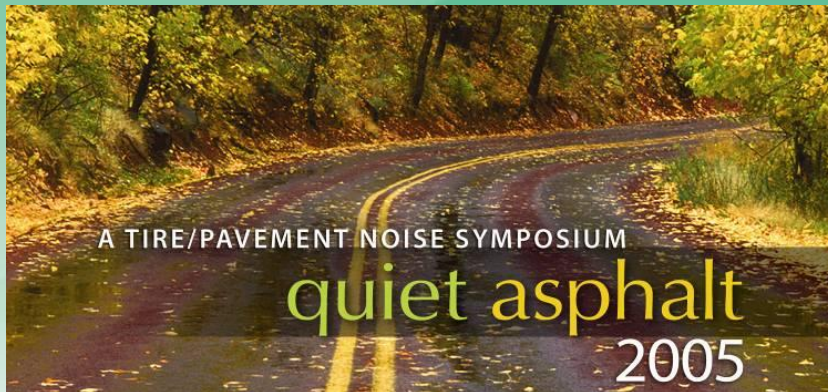
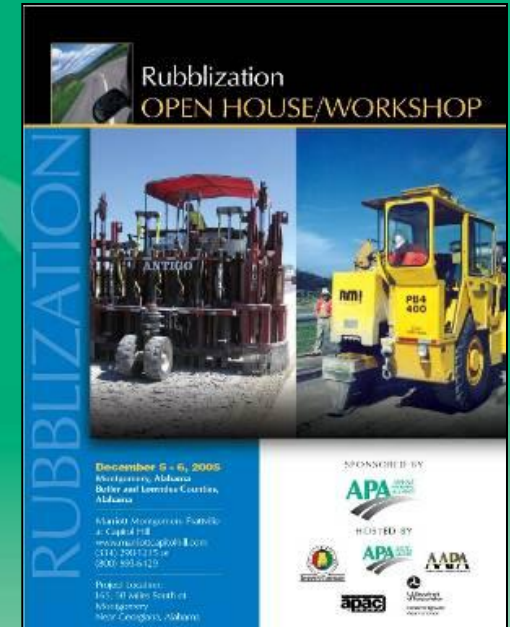


Kansas Perpetual Pavement Open House/Workshop
June 2005

Iowa Perpetual Pavement Open House/Workshop
October, 2005

Quiet Asphalt Symposium
November, 2005

Alabama Rubblization Workshop
December, 2005



- Hands on demonstrations
- Learning opportunities
- Facility tours

Fulfillment Activities



Barb Day
2696 Research Park Drive
Lexington, KY 40511
1-877-APA-0077
bday@asphaltinstitute.org

- Order Processing
- Tradeshow Property Scheduling
- Daily Operations
- Inventory Control
- Administrative Functions
- Website Maintenance
- Monthly Reporting
- Product Development
- Website Maintenance

Available APA Reports



- **Tradeshow Event Report:**
 - List of upcoming events where APA property will be displayed.
 - Complete details of the event
- **Magazine Ad Requests Report:**
 - Request from the APA website are also tracked on this report.
 - Great resource for creating mailing lists.

For APA Reports, contact Barb Day: (bday@asphaltinstitute.org)

2006 Public Seminars at AI HQs

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Mix Design Technologies

Jan. 30 – Feb. 3

Feb 27 – March 3

Asphalt Binder Technology

Jan. 10 – 13

Feb. 14 – 17

Achieving Volumetrics and HMA Compactability (Bailey Method)

Jan. 17 – 19

Feb. 7 - 9

March 7 - 9



Airport Pavement Workshops in 2006

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Airport Pavement Workshop
Asphalt Pavement Design, Construction, and Maintenance
October 25 - 27, 2005
Philadelphia, Pennsylvania

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.

Conference Location and Lodging
Embassy Suites Hotel
Philadelphia International Airport
900 Bristow Avenue
Philadelphia, Pennsylvania 19153
(800) 352-2779 • (215) 365-4500 • (215) 365-3195 FAX

To Register
\$745 per person
\$445 for FAA personnel
To register or for more information, contact the Seminar Coordinator at (859) 288-4964, or register on-line at www.asphaltinstitute.org

HIGHLIGHTED TOPICS
• **FAA Thickness Design**
• **Pavement Evaluation**
• **Maintenance and Rehabilitation Methods**
• **Materials and Construction**
• **Quality Control and Assurance**
• **P-401 and Superpave Specifications**



Sponsored by the
FEDERAL AVIATION ADMINISTRATION
and the ASPHALT INSTITUTE



- **Apr. 4 – 6, Dallas**
– see brochure
- **Nov 14 – 16, Boston**
- **Topics covered:**
 - **Materials**
 - **Design**
 - **Construction**
 - **QC/QA**
 - **Preservation practices**
- **Specific to Airfields**

Available for Private Training

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- Customized Agenda
 - Wide range of possible topics
- Classroom and/ or Field
- Some Recent Past Clients
 - Red Horse Units
 - Air Force Bases
 - MAJCOMs



State Binder Specs

Description: The Asphalt Institute and PRI Asphalt Technologies have collaborated to develop this binder specification database. Available below (as downloadable pdf files) are individual documents for each of the 50 state highway agencies summarizing their respective asphalt binder specifications. A few additional agencies are also provided. A standardized format is used to list specification methods and criteria, PG-plus tests and requirements, typical grades, exclusions, and the agency's website where specifications can be found.

Updating: AI and PRI will periodically contact the Binder or Materials Engineer listed on each document to review the agency's information for accuracy. Corrections or comments may be e-mailed to us by using the link below. Changes will only be made after confirmation by the individual listed for that agency.

Disclaimer: While care has been taken to provide the most accurate and current information, users are warned that there may be inaccuracies and recent specification revisions may not be reflected. **To ensure the most accurate information, the particular agency should be contacted.**

Click [HERE](#) to fill out the form for corrections or comments.

All documents are in Adobe PDF format. You need the free Adobe Reader to view these files. If you do not have the reader you can download by clicking on the Get Adobe Reader button.



Alabama	Alaska	Arizona	Arkansas	California
Colorado	Connecticut	Delaware	Florida	Georgia
Hawaii	Idaho	Illinois	Indiana	Iowa
Kansas	Kentucky	Louisiana	Maine	Maryland
Massachusetts	Michigan	Minnesota	Mississippi	Missouri
Montana	Nebraska	Nevada	Nevada (Clark County)	New Hampshire
New Jersey	New Mexico	New York State	North Carolina	North Dakota
Ohio	Oklahoma	Oregon	Pennsylvania	Rhode Island
South Carolina	South Dakota	Tennessee	Texas	Utah
Vermont	Virginia	Washington	Washington DC	West Virginia
Wisconsin	Wyoming			

State: COLORADO	Materials: Re: Section 702 SUPERPAVE PG Binders, CDOT's Standard Specifications for Road & Bridge Construction
Date Last Reviewed: 4-4-2005	Web Address: www.colorado.gov
Materials Engineer: Tim Aschenbrener	Contact Info: tim.aschenbrener@dot.state.co.us

ASPHALT BINDER:

702.01 (b)	Description:	Supplier must be certified in accordance with CP 11. Samples of PG Binder for acceptance shall be sampled on the project as stated in the Schedule of Field Materials Manual.
702.01 (a)	PMA's	None stated.
	Exclusions:	Asphalt shall not be Acid or Alkaline modified. Shall not contain any used oils that have not been re-refined or reprocessed. No modifiers shall be added that do not comply with Environmental rules and regulations including 40 CFR Part 261.6(a)(3)(v) and 266/Subpart C. Modifiers shall not be carcinogenic.

PROPERTY		Test Method AASHTO or Other	Requirements by Performance Grade, PG (Common Grades)				
			58-28	58-34	64-22	64-28	76-28
ORIGINAL:							
Flash Point, °C		T 48	230 min.				
Rotational Viscosity, Pa Xs	135°C	TP 48	3.0 max.				
Dynamic Shear, kPa (G* /sin *. 10 rad./sec.)	At grade temperature	T 315	1.0 min.				

Pages

PROPERTY		Test Method AASHTO or Other	Requirements by Performance Grade, PG (Common Grades)											
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ORIGINAL:														
Flash Point, °C		T 48	230 min.											
Rotational Viscosity, Pa Xs	135°C	TP 48	3.0 max.											
Dynamic Shear, kPa (G* /sin *, 10 rad./sec.)	At grade temperature	T 315	1.0 min.											
RTFOT RESIDUE:														
Mass Loss, %		CP - 2215	1.0 max.											
Dynamic Shear, kPa (G* /sin *, 10 rad./sec.)	At grade temperature	T 315	2.2 min.											
PAV RESIDUE:		R 28	100°C; 20 hrs; 300 psi											
Dynamic Shear, kPa (G* • sin *, 10 rad./sec.)	At grade temperature	T 315	5,000 max.											
Creep Stiffness	At grade temperature	T313	19°C	16°C	25°C	22°C	28°C							
			Stiffness 300 max. MPa & m Value 0.300											
Direct Tension, (1mm/min.), % Strain ¹	At grade temperature	T 314	-18°C	-24°C	-12°C	-18°C								
			1.0 min. - referee test											
			-18°C	-24°C	-12°C	-18°C								
PG PLUS REQUIREMENTS: YES														
ORIGINAL:														
Ductility, (5 cm/min.), cm		T 51	--	--	--	50 min.	--							
Toughness	Toughness, N-m	CP L 2210	--	--	--	110 min. (12.4)	--							

1 of 1

Pages

Group	At grade temperature	T313	-18°C	-24°C	-12°C	-18°C
Direct Tension, (1mm/min.), % Strain ¹	At grade temperature	T 314	1.0 min. - referee test			
			-18°C	-24°C	-12°C	-18°C
PG PLUS REQUIREMENTS: YES						
ORIGINAL:						
Ductility, (5 cm/min.), cm	4°C	T 51	--	--	--	50 min.
Toughness & Tenacity	Toughness, N-m	CP L 2210	--	--	--	110 min. (12.4)
	Tenacity, N-m		--	--	--	75 min. (8.5)
Acid or Base Modification ²		CP L 2214	Pass			
RTFOT PROPERTIES:						
Elastic Recovery, %	25°C	CP L 2211 A	--	--	--	50 min.
Ductility, cm (5 cm/min.)		T 51	--	--	--	20 min.
Notes:						
1. Direct Tension measurements are required when needed to show conformance to M 320.						
2. The Department will test for acid and alkaline modification during binder certification process. Thereafter, the Department will randomly test for acid and alkaline modification.						

ments

CO Page 1 of 1



Disclaimer: "To ensure the most accurate and current information, the specific agency should be contacted."



SW-1 Thickness Design Software

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Pavement Design for:

[\$400]

- Highways
- Airports
- Heavy Wheel Loads
- Parking Lots
- Advanced Structural Analysis using DAMA



*Based on familiar Asphalt Institute Methods:
MS-1, MS-11, MS-17, MS-23, and other manuals*

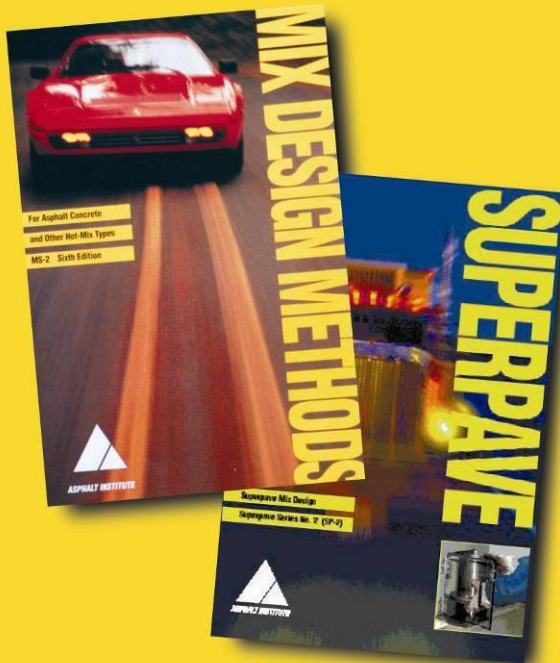


SW-2 Mix Design Software

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Asphalt Institute

Mix Design Program SW-2



Featuring:

Superpave Mix Design
Superpave Trial Blending
Marshall Mix Design
Marshall Trial Blending

*Designed in
conformance with
MS-2 and SP-2*



Asphalt Institute MIX DESIGN PROGRAM SW-2

See case insert
for installation
instructions.

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APA Update

