

# Maryland Asphalt Association, Inc.



Brian Dolan President  
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2408-G Pepper Mill Drive  
Glen Burnie, MD 21061  
Phone 410-761-2160  
Fax 410-761-0339  
E-mail:office@mdasphalt.org

## Asphalt: Safe, Smooth, Quiet, Durable, and 100% Recyclable

### Hot-Mix Asphalt Pay Factor Partnering Team

Members of the Maryland Asphalt Association and Maryland State Highway Administration continue to meet monthly to have open discussion about short term and long term issues that relate to the Asphalt Industry in Maryland. Some of the topics of discussion are:

The Outsourced Laboratory Contract – accuracy and timeliness of test results

Open Graded HMA mixtures for highway safety concerns

Implementation of the new HMA pay factor system for new contracts

Warm Mix Asphalt implementation

Federal Highway Administration recommendations and the industry impact

Tack Coat specification for the future

If you would like to attend a monthly meeting please contact Brian Dolan at 410-761-2160 or Jeff Withee at 443-572-5269.

### Paving Smarter With Asphalt Conference

October 5-6, 2009 in Atlanta, Georgia

The National Asphalt Pavement Association in conjunction with the Federal Highway Administration brings you the combined knowledge of the best practitioners in the industry on the topics of RAP, Asphalt Rubber, Perpetual Pavements, Warm Mix, Intelligent Compaction, Recycling, Energy Saving at the Plant, Thin Lifts and more. This program is for contractors and their partners looking for ways to improve their business through cost savings, product competitiveness and to expand their knowledge base of the asphalt products at their disposal. DOT and agency personnel can learn why there are more choices than ever in the asphalt pavement tool chest to better manage their roads and highways.

For information you may link to the website at [www.hotmix.org](http://www.hotmix.org).

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## **National Center for Asphalt Technology (NCAT)**

### **RAP Study**

State agencies typically allow up to 15–20 percent reclaimed asphalt pavement (RAP) in surface mixes. Using higher percentages of RAP can result in cost savings, but there has been little documentation of field performance for high-RAP mixes. High-RAP mixes were defined by the FHWA expert task group as mixes containing 25 percent or more RAP. Six sections of the test track have been devoted to evaluating the construction and performance of mixes with moderate (20 percent) and high (45 percent) RAP contents. To compare the effects of virgin binder grade on RAP mixes, the sections were designed using three different binder grades (PG 52-28, PG 67-22, and PG 76-22). As expected, binder stiffness influenced the compactability of the mixes. Although greater compactive effort was required for the 45 percent RAP sections with PG 76-22, target density was achieved for all sections.

The RAP sections performed very well in the field, showing excellent rut resistance despite some sections having low air voids and high voids filled with asphalt (VFA). The mixes were also tested in the lab using the Asphalt Pavement Analyzer (APA), which gave similar rut measurements. Most of the RAP sections exhibited no cracking and the minor cracking that occurred in two sections was attributed to factors other than the mix. Results at the track indicate that high RAP mixes can perform successfully and that the use of softer virgin binder grades in high-RAP mixes is not necessary. Further lab tests are ongoing, and it is likely that many of these RAP sections will remain in place through the next phase of testing at the track.

### **The New HMA Specification - Calculating Density Pay Factors**

Marshal Klinefelter, Quality Control Manager for David A. Brambles, Inc. has created a spreadsheet that calculates the density pay factor under the new 2008 HMA specification, Section 504. The complexity of the specification requires a sequential step by step process to achieve an accurate and reliable result for the contractor and SHA. In addition, proper rounding of resulting data at each step is essential and can make a difference in final Payment. If you are interested in obtaining a copy of this all important software please contact Marshall at: [hotmix@davidabrambleinc.com](mailto:hotmix@davidabrambleinc.com)

### **The District 4 Office has Relocated**

The SHA District 4 staff previously located in the Lutherville office has moved into their new building in Hunt Valley, Maryland. District 4 manages the activities for all SHA contracts in Baltimore County and Harford County.

The new District 4 address and phone numbers are shown below.

State Highway Administration  
District Four Office  
320 West Warren Road  
Hunt Valley, MD 21030

Phone: 410-229-2300  
Toll Free: 866-998-0367  
Fax: 410-527-4690



## Hot-Mix Asphalt Projects Move Forward in Maryland to Stimulate the Economy

Hot Mix Asphalt Paving Projects have provided a quick and efficient means to put Maryland's economy on the road to recovery. In recent press releases by the Maryland Department of Transportation many Hot-Mix Asphalt resurfacing projects have been identified. Below is a list of some of these all important projects which promote economic stimulus in Maryland.

### June 2009 Press Releases

SHA BEGINS STIMULUS RESURFACING PROJECTS IN TALBOT COUNTY

SHA BEGINS STIMULUS RESURFACING PROJECTS IN QUEEN ANNE'S COUNTY

SHA BEGINS STIMULUS RESURFACING PROJECTS IN KENT COUNTY

SHA TO BEGIN STIMULUS RESURFACING PROJECTS IN CAROLINE COUNTY

SHA TO BEGIN RESURFACING PROJECTS IN EASTERN AND SOUTHERN PRINCE GEORGE'S COUNTY

SHA BEGINS STIMULUS RESURFACING PROJECTS IN ST. MARY'S COUNTY

SHA TO BEGIN RESURFACING ALONG MD 193 BETWEEN VEIRS MILL ROAD AND ARCOLA AVENUE IN MONTGOMERY COUNTY

### July 2009 Press Releases

SHA TO RESURFACE NEARLY 13 MILES OF ROADWAY IN FREDERICK COUNTY

SHA TO RESURFACE A SECTION OF US 219 NORTH IN GARRETT COUNTY

SHA TO RESURFACE A SECTION OF US 219 NORTH IN GARRETT COUNTY

SHA TO RESURFACE TEN MILES OF ROADWAY THROUGHOUT CARROLL COUNTY

SHA BEGINS STIMULUS HIGHWAY RESURFACING PROJECT ALONG I-83 IN BALTIMORE COUNTY

SHA TO RESURFACE SECTION OF US 50 IN EASTON, TALBOT COUNTY

SHA TO RESURFACE TWO MILES ALONG MD 214 IN CAPITOL HEIGHTS

SHA TO RESURFACE NINE MILES OF ROADWAY IN HOWARD COUNTY

STATE HIGHWAY ADMINISTRATION TO RESURFACE I-495 (CAPITAL BELTWAY) BETWEEN THE AMERICAN LEGION BRIDGE AND I-270 IN MONTGOMERY COUNTY

SHA BEGINS STIMULUS HIGHWAY RESURFACING PROJECT ALONG US 40 IN HARFORD COUNTY

These Press Releases can be read at [www.e-mdot.com/News/press2009](http://www.e-mdot.com/News/press2009)

NAPA President Briefs Congress On Breakthroughs In Sustainable Asphalt Technology

NAPA President Mike Acott testified on March 31 before the U.S. Congress that the asphalt pavement industry is on the verge of several major breakthroughs in sustainable asphalt pavement technology. Acott briefed the House Science and Technology Subcommittee on Technology and Innovation about how asphalt reuse/recycling, warm mix, Perpetual Pavement, and porous asphalt will help pave the way to a more sustainable future. The focus of the hearing was on the role of research in mitigating the impact of transportation infrastructure on the environment, with an emphasis on climate change. The Committee on Science and Technology will write the research portion of the next transportation authorization bill.



“The hearing addressed a broad range of options for addressing climate change and improving water quality,” said Acott. “The asphalt pavement industry has a history of taking steps proactively to reduce impacts on the environment. The products we have developed – warm mix, reuse/recycling, Perpetual Pavement, and porous asphalt – are ready to be adopted even more widely. An accelerated deployment program could lead to big changes within five years.”

You can read NAPA’s full testimony at [www.hotmix.org](http://www.hotmix.org)

**PLEASE HELP SAVE MY JOB**

Don’t Delay Enactment of a Transportation Authorization Bill with Increased Funding for Highways! A sample letter or petition is included to encourage a permanent resolution to highway funding for Maryland rather than a bandaid. Please use this as a guide for you and your employees.

Dear Maryland Congressional Delegation,

On September 30, 2009, the nation’s core surface transportation programs will expire. We urge you to use this critical opportunity to improve existing programs and increase investment in America’s highways, roads, and bridges. Continuing with the status quo is not an option as current federal resources cannot support the existing Maryland highway program in 2010 and beyond. Without a multi-year surface transportation bill with increased funding for highways, **our jobs are at risk.**

Adequate transportation infrastructure and reliable cost-effective transportation services are essential to improve economic growth, increase productivity, and maintain the competitiveness of American businesses. Moreover, passage of a well funded multi-year transportation bill will create jobs across the transportation construction industry.

**An extension of the highway program at current funding levels will result in job losses in my industry that the Economic Stimulus Bill was enacted to prevent.**

Please do not defer enactment of a multi-year bill. We need your help and leadership on this important issue.

Name	Address	City	State	Zip
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## **HELPING SENIORS DRIVE SAFELY** **(Reprinted from AAA World Sept/Oct 2009)**

As we baby boomers speed down life's highway toward becoming senior drivers, a whole new set of traffic safety issues arises. And those of us fortunate to still have parents alive and active are likely already concerned with the growing issues of senior driving and traffic safety.

Today, an estimated 20 million licensed drivers are age 70 or older. Every year that number is expected to climb; by 2025, people age 65 and older will account for 25% of U.S. drivers. While driving is a function of ability, not age, driving ability is affected by natural changes to our bodies over time.

Thus, the challenge for AAA is clear: how can they help older drivers stay behind the wheel longer and more safely? AAA has been working to help seniors continue their driving safely because they know seniors like all drivers cherish their mobility and they understand the significant impact changes in lifestyle and loss of freedom that generally accompany the loss of driving privileges.

As part of their efforts, they have recently launched a new website for senior drivers and their families: [AAASeniors.com](http://AAASeniors.com). They expect you will find the site to be packed with vital information, expert advice and helpful links. The site is just one of many resources for seniors and their families. Also check out the following:

Mature Operators Program, an inexpensive one-day class taught by professionals, provides seniors with many tools to address common driving issues for older drivers.

Roadwise Review is a computer program that seniors can use in the privacy of their homes to evaluate their skills and help improve areas identified as needing more work.

CarFit is a program in which trained administrators review a driver's "physical fit" in his or her car. The program has 12 components that are evaluated to maximize the car's fit for its drivers.

DriveSharp, their newest entry is an educational computer program that helps to improve response times for seniors involving vital driving skills.

AAA wants all drivers to be able to drive - and to do so safely - for as long as they wish. Learn more at [AAASeniors.com](http://AAASeniors.com) and [AAA.com](http://AAA.com)

# CALENDAR OF EVENTS

OCTOBER 13 8 AM EXECUTIVE COMMITTEE MEETING

OCTOBER 15 9 AM PAY FACTOR TEAM MEETING

OCTOBER 23 1 PM LEADERSHIP TEAM MEETING

OCTOBER 27-29 AIRPORT PAVEMENT WORKSHOP "ASPHALT PAVEMENT DESIGN, CONSTRUCTION AND MAINTENANCE" LOCATED AT THE HOLIDAY INN INNER HARBOR.

REGISTER ON-LINE AT [WWW.ASPHALTINSTITUTE.ORG](http://WWW.ASPHALTINSTITUTE.ORG) OR CALL 859-288-4964

OCTOBER 27 9 AM RECYCLE MATERIALS TASK FORCE MEETING