



VAA Asphalt News

The Newsletter for Members and Friends of the Virginia Asphalt Association

Issue 1 - 2012

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2012 REGIONAL VDOT ASPHALT SEMINARS BEGIN

Since 2010, VAA and VDOT have hosted a series of asphalt seminars across the Commonwealth. Initially developed to educate VDOT, Contractor, municipal and Consultant personnel on the changes to the asphalt program which resulted from the Blueprint, these seminars have evolved into a forum for various asphalt-related topics.

On February 21st, the first seminar was held in Fredericksburg. The seminar began at 9:00 am, included a lunch and breaks, and concluded at 3:00 pm. During the five hour period, the following topics were discussed:

- ♦ 2012 General Specification Changes
- ♦ 2012 Asphalt Related Specification Changes
- ♦ Status of the Materials Certification School Changes
- ♦ Pavement Program Changes
- ♦ HMA Web-Based Application
- ♦ IARC Monograph Report
- ♦ Updates on the Quiet Pavement Program
- ♦ Quality Asphalt Initiative Task Force
- ♦ Pavement Recycling Specifications and Guidelines
- ♦ Paving Inspection Reminders
- ♦ Field Quality Assurance Program

At the conclusion of the seminar, VAA and VDOT personnel participated in a panel discussion to answer questions from the audience.

In addition to Fredericksburg, seminars are sched-

uled in Richmond (March 1) and Blacksburg (March 6).

To register for either the Richmond or Blacksburg seminar, visit the VAA website at www.vaasphalt.org; VDOT personnel register on VDOTU.

Richard Schreck Appointed to NCAT Board

On February 3, 2012, VAA Executive Vice President Richard J. Schreck was named to the National Center for Asphalt Technology's (NCAT) Board of Directors. As an Auburn graduate and professional in the asphalt industry for over 30 years, Schreck will serve as a representative for Auburn University on the Board. Founded over 25 years ago, NCAT is one of the leading asphalt research facilities in the world.



61st VAA Annual Meeting Approaches

For the 61st straight year, the VAA will be holding it's spring Annual Meeting. This year, the VAA will be visiting the historic and beautiful Greenbrier Resort in White Sulphur Springs, West Virginia. The meeting will start on Thursday April 12th and conclude at noon on Saturday April 14th.



Since the VAA's last visit to The Greenbrier in 2006,

the resort has undergone numerous changes including the addition of a casino. While gambling is available, there are many more things to do at this exclusive resort. Take time to play golf on one of the three courses or go for a hike. If the weather is a little chilly, indoor activities include a tour of the bunker, billiards, bowling and spa treatments to name a few.

The meeting begins with a reception, to be held on Thursday evening, that welcomes the delegates and VDOT attendees. On Friday morning, Bill Kirk—2011-2012 President of the Asphalt Institute and

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Dover Hosted QAW

The Delaware Department of Transportation (DelDOT) hosted the 45th Annual Quality Assurance Workshop in Dover. Attended by over 300 transportation professionals and 25 vendors, QAW sessions covered topics ranging from asphalt materials and maintenance to soils and metals.

Numerous asphalt related topics were discussed. Dr. Brian Diefenderfer, P.E., of VCTIR gave an overview of the in-place pavement recycling project on I-81. Dr. Nelson Gibson, P.E., of FHWA's Turner-Fairbank research facility covered measured and predicted performance impacts for asphalt. Other presentations covered development of PG rubber specifications, HMA acceptance issues in Pennsylvania, and warm mix asphalt.

In February 2013, VDOT will be hosting the 46th Annual QAW in Williamsburg.

NAPA Annual Meeting Held in January

This year NAPA held its 57th Annual Meeting at the JW Marriot in Palm Desert, California for four days of educational sessions and networking events. Among the 750 attendees there were more than 70 first-timers who were able to experience a proper introduction to the Annual Meeting with the first-ever orientation meeting for first-timers.

Highlights of the meeting's general sessions included the passing of the gavel from current NAPA Chairman Kim Snyder of Eastern Industries to the new Chairman Kurt Bechthold of Payne & Dolan. This session also included an inspiring keynote address by former New York City Fire Chief Richard Picciotto, who was the highest ranking firefighter to survive the World Trade Center col-

lapse and the last fireman to escape the devastation. Also in these sessions, NAPA President Mike Acott provided a briefing on the positive results from the IARC monograph. In addition, the Asphalt Pavement Alliance (APA) was restructured as a stand-alone entity, with its own Board of Directors and dedicated staff with Mike Kvach serving as Executive Director.

Other topics discussed at NAPA included RAP and RAS, the new AASHTO mechanistic-empirical pavement design guide, alternate bid, life-cycle cost analysis and OSHA's new silica standard.

The 58th Annual Meeting will be February 9-13, 2013 in Scottsdale, Arizona.

11,000 Turn Out for TRB Annual Meeting



Ever been to a meeting with over 11,000 participants? That was the estimated number of people at the 91st Annual Transportation Research Board meeting held in Washington, D.C. from January 22-26, 2012.

This meeting included thousands of presentations at three different hotels as well as informative workshops on Sunday January 23 and Thursday January 26. Many of the presentations

and workshops dealt with completed research or research underway. The VAA was represented at TRB, on Sunday afternoon, by Trenton Clark who made a presentation on "Best Practices to Construct a Smooth Pavement" in workshop 157. This presentation was based on a paper co-authored by David Helmick—Superior Paving and Kevin McGhee—Virginia Center for Transportation Innovation and Research which will be included in a future TRB circular.

In addition to this paper and presentation, VAA participated in other papers and presentations either as co-authors or based on work they had performed as part of research. VAA members were co-authors on presentations/papers dealing with the per-

formance of stone matrix asphalt in Virginia and the SM-4.75 installation at the Turner-Fairbank Research Facility.

For the 2013 meeting which will be held from January 13-17, VAA members are involved in research related to higher RAP percentages and recycling that may be featured. Virginia is seen as a leader in research and innovation through the partnership between VAA members, VDOT and FHWA.



Annual Meeting from Page 1

President & CEO of Associated Asphalt, Inc. will speak regarding the future of liquid asphalt prices. The remainder of the morning will be spent discussing various transportation topics with VDOT Executive Staff. On Friday evening, a reception and banquet dinner will be held at Kate's Mountain Lodge.

Secretary of Transportation Sean Connaughton and VDOT Commissioner Greg Whirley will join us on Saturday morning. They will be discussing the Governor's Transportation Initiatives and the outcomes of the 2012 General Assembly Session. Concluding the Saturday morning session will be a VAA Members Only Meet-

ing. VAA will host a hospitality suite in the Congressional Suite from 9:00 pm to midnight on Thursday & Friday. Take time to stop by and relax with others in the industry.

To sign-up for the Annual Meeting, visit the VAA website or contact the VAA office. Meeting registration ends April 5, 2012 and the hotel room block deadline at The Greenbrier is March 12, 2012.



VAA Annual Meeting Golf Tournament

Ready for some golf? April rings in the golf season with the Masters Tournament and the VAA Golf Tournament. This year's tournament will be held on the Meadows Course April 13th, at The Greenbrier Resort. Each team has the opportunity to select their own members or you can let the VAA staff place you in a foursome. The VAA has reserved 12 tee-times for 48 golfers. This will be a straight-up golf tournament with no handicapping or other equalization provisions. The winning team will be featured in the next *VAA Asphalt News*.

To join in the fun, sign-up through the VAA web-



site: www.vaasphalt.org or by contacting the VAA office. The cost per player is \$175.

If one day of golf just isn't enough, the VAA has reserved 4 additional tee times for play on the Greenbrier Course. These tee times are on Saturday, April 14th, and begin at 1:03pm. Each will be assigned on a first come, first served basis. So, make sure you get your registration in Early!

2012 Plant Mix Schedules—What is New In the Specifications?



During the Summer and Fall of 2011, VAA members and staff worked with VDOT to review, revise and develop new special provisions and supplemental specifications for incorporation into the 2012 plant mix schedules and applicable construction projects. Much of this effort was completed during the statewide Asphalt Cooperative (Co-Op) Meetings and through special project teams established by the Co-Op committee.

At the Annual Fall Asphalt Conference held in Richmond, these revisions and new specifications were outlined to attendees. Two presentations were made—General Changes and Asphalt-Related Changes. The following paragraphs outline the modifications for 2012 in each area.

General specification changes were related to 1) milling, 2) loop detectors, 3) temporary pavement marking, 4) notice to proceed dates, and 5) asphalt tie-ins. Many of these changes were a result of joint meetings between VDOT Executive Management and VAA Executive Board Members in a effort to improve production and reduce overall cost to VDOT.

Several changes were made to the milling special provisions. The main changes dealt with increasing the milling distances allowed to be opened to traffic and the removal of the requirement to square-up milling prior to weekends. At the contractor's options, multiple lanes may be milled prior to initiation of paving operations. When the pavement is left open to traffic, temporary pavement markings may be

required based on traffic volume and time before initial paving begins. In addition to increased distances and multi-lane milling, all run-on situations for high speed routes must be addressed. The contractor can address these situations by squaring up the milling or by providing a taper mill to allow for a safe transition.

An issue for several districts has been in the installation of loop detectors at intersections. The revised special provision allows the contractor 96 hours to replace a damaged loop. Additionally, the new loops may be installed in either the milled surface or in the final pavement surface.

New for 2012 will be payment for temporary pavement markings. These markings can be the tabs or paint. Temporary markings can be

installed at the discretion of the contractor or at the direction of the VDOT engineer. Temporary markings can be used for up to 14 days. If the marking is deemed ineffective during that 14 day period, then the contractor must either install the permanent markings or refresh the temporary markings (at their expense).

In the past, the notice to proceed date for plant mix schedules was April 1st. In 2012, once the contractor is notified regarding VDOT's intention to award the contract, then the contractor is encouraged to submit their paperwork and the final signed contract as soon as possible after receiving. VDOT will complete the contractual process and the contractor will be given a notice to proceed date.

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Quiet Asphalt Surface Plans for 2012

With the passage of the Quiet Pavement legislation in 2011, VAA and VDOT have been working together to respond to the legislation. The first major response was the construction of three quiet pavement test sections in the Fall of 2011. These sections are now under evaluation in terms of noise generation, skid resistance and ride quality. Initial results will be presented in the regional VDOT Asphalt seminars.

For 2012, the Quiet Pavement Task Force will be involved in four initiatives—continued monitoring of the 2011 sites, construction of the NCAT test sections, development of an interim project report, and construction of two



new test sections. Two test sections will be constructed this summer at NCAT. One section will be a single layer PFC-9.5 and the other will be a double layer of PFC-9.5. NCAT will monitor the functional and structural performance of these sections over a three year period.

Currently, two different Virginia sections are being considered for construction in 2012. The first section will utilize a new SMA-4.75 mix. This mix will have a similar gradation to that used in Germany. The second section will be compared to the double layer PFC-9.5 section constructed at NCAT. These sections, if constructed, will be in the NOVA district.

Finally, VDOT is required by law to provide an interim report to the General Assembly. The report will cover the work completed to date, the results, and work still to be completed.

Kvach Leads Asphalt Pavement Alliance

Mike Kvach was named the first Executive Director of the Asphalt Pavement Alliance (APA) in late 2011 and will report to a newly formed APA Board of Directors. Kvach will be working with NAPA, the Asphalt Institute and State Asphalt Pavement Associations to promote the use of asphalt and to increase the overall market share of asphalt. These three institutions provide the funding for the APA. Richard Schreck serves on the Board of Directors for the APA.

Kvach previously held the position of Vice President of Product Deployment for NAPA. Prior to NAPA, he was the Executive Vice President of the Asphalt Paving Association of Iowa.

Since its inception, APA has provided various materials for the asphalt paving industry, government officials and the public. Materials vary from economics, engineering, policy and the environment.

APA has a staff of three including Kvach. Recently, APA added Mrs. Robin Klinefelter as Director of Marketing and Communications. Ms. Karen Faber is the Office Administrator. Learn more at Asphaltroads.org.

David White Named NAPA State Director



David White, General Manager for the Superior Paving Corporation located in Northern Virginia, has been named the NAPA State Director for Virginia. White replaces Burton P. Short III, President of B.P. Short and Son Paving Co., Inc., who has served as the State Director for many years.

White joined Superior Paving after graduating from Gardner-Webb in 2001. He has served in various roles within the company including operations manager.

White has been very active in NAPA. Currently, he

participates in the Young Leaders Committee. This committee is focused on developing the next generation of leaders within the asphalt paving industry.

As State Director, he will represent Virginia at NAPA meetings and conferences as well as report back to the Virginia Asphalt Association Board.



HMA Web-Based App. Almost Ready



VDOT is currently finalizing the development of a new database for submitting, approving and tracking of all asphalt mixture data to include: job mix formulas, acceptance data and quality assurance data.

Contractors providing asphalt mixtures to state projects will now be able to submit and track all JMF's and QC data in real time via the internet.

No software other than Internet Explorer and an internet connection from the QC Lab will be required. From this system a contractor will be able to: track the status of

all their submitted JMF's, lot data on per project or mix type basis, send and receive notifications to the district materials office, and assign users based on their certification level.

Users will also be able to print and save all reports and forms as well as download raw data to MS Excel for internal review and analysis.

Starting in early March, contractors will be contacted by their local VDOT District Materials Section or by VDOT's Central Office Materials Division to begin training on the new system.



Frank Caldwell IV Appointed to VAA Board



Frank Caldwell IV, Operations Manager for Sawyer Paving, was appointed to the VAA Board of Directors at the De-

ember 2011 meeting. Caldwell has been an employee with Boxley since 2011. Prior to joining Sawyer Paving, he worked for a ready mix concrete company in Roanoke. A Roanoke native and 1999 graduate of the Citadel, Caldwell is very familiar with the local paving market. Please

join us in welcoming Frank.



Other News and Notes

In 2011, the VAA Board of Directors created a new contractor category that recognized central cold plant recycling and cold-in-place recycling. Both processes utilize RAP and asphalt binding agents to produce a new asphalt concrete base material. With the addition of this category, a **new tonnage form** was introduced with January 2012 tonnage reports. Con-

tact the VAA office with any questions in completing the new form.

2010 was a challenging year for **pavement marking materials**. Shortage of raw materials lead to shortages in some paint and thermo-plastic products. To address this issue, the VDOT Materials Division issued a memo allowing the temporary use of non-VDOT approved

products on VDOT projects. The memo issued in the Summer of 2010 was extended to December 2011. In a note issued on the VDOT website on January 24, the allowed use of non-VDOT approved materials was sunset. Based on discussions with VDOT, they will continue to monitor the marking supply issue and will take the appropriate steps if warranted.

Member News

Sawyer Paving, a Boxley Company, has earned the Diamond Achievement Commendation for Excellence in Asphalt Plant/Site Operations from the National Asphalt Pavement Association. The Diamond Achievement Commendation addresses six essential facets of the asphalt plant/site: appearance, operations, environmental practices, safety, permitting and regulatory compliance, and community relations. Those who have earned the commendation must demonstrate a dedication to responsible operational practices and continuous improvement. Sawyer Paving is committed to conducting our business safely and responsibly," said Stan Puckett, president of Sawyer Paving. *"The Diamond Achievement Commendation*

is a great honor that underscores our ongoing commitment to excellence."

Welcome Dominion Paving & Sealing, Inc. a new associate contractor member in the milling category.

Welcome APAC—Atlantic, Inc. a new associate contractor member in the placement category.

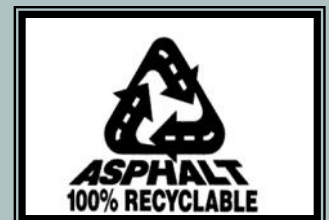
2012 VAA Sponsorship Program was a great success thanks to our members. As can be seen on Page 2 of VAA News, over 20 companies are Platinum sponsors. In addition to Platinum, many companies signed up to be Gold, Silver and Bronze level sponsors. These sponsors will be featured at all VAA functions. Thanks again to our Sponsors!

JVR ENVIRONMENTAL

Welcome to our newest consulting member JVR Environmental. JVR Environmental is owned by John V. Roland, former Director of Environmental Affairs for VAA. John has extensive knowledge of the various environmental issues related to the asphalt industry. JVR Environmental will be providing services directly to the VAA such as attending the various Department of Environmental Quality meetings as the VAA representative. Additionally, JVR Environmental will be providing services to asphalt companies and others through individual contracts. JVR Environmental can be contacted at jvrenv@hotmail.com. Or on John's cell phone at 804-305-6826.

Mark Your Calendar

- ♦ VDOT Asphalt Seminar
Feb. 21, 2012
Fredericksburg, VA.
- ♦ VDOT Asphalt Seminar
March 1, 2012
Richmond, VA.
- ♦ VDOT Asphalt Seminar
March 6, 2012
Blacksburg, VA.
- ♦ World of Asphalt
March 13-15, 2012
Charlotte, NC.
- ♦ AAPT Annual Meeting
April 1-4, 2012
Austin, TX
- ♦ VAA Annual Meeting
April 12-14, 2012
White Sulphur Springs, WV
- ♦ NAPA Mid Year
July 16-18, 2012
- ♦ Fall Asphalt Conference
October 1-3, 2012
Richmond, VA.
- ♦ VAA Invitational Golf Tournament
October 3, 2012
Independence GC
Richmond, VA.



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Pavement Recycling

In the summer of 2011, State Materials Engineer Andy Babish established a Pavement Recycling Committee. This committee was composed of VDOT engineers, VCTIR scientists and Industry (asphalt and aggregate) members. *The two primary charges for the committee were to revise the current specifications based on lessons learned from recently completed projects and to develop guidelines for VDOT and non-VDOT engineers to use in selecting future recycling projects.*

At the kick-off meeting in August, various issues were discussed and it was decided a smaller task force was needed to propose revisions and guidelines to the larger committee. The work of this task force was completed in early February and recommendations were forwarded to the Committee Chair Dr. Mohamed Elfino—Assistant State Materials Engineer. Future issues of **VAA News** will detail the new special provisions and pavement recycling use guidelines.

2012 Plant Mix Schedules

February 2, 2012 was one of the largest asphalt letting days in VDOT's history. Based on the apparent low bids for approximately 100 schedules, almost \$350 million was advertised for asphalt and asphalt paving related work. Projects ranged from secondary road paving to major

interstate rehabilitation. In addition, VDOT advertised one project in the Richmond District that included full depth reclamation and AC overlay.

On February 22, VDOT will open bids for additional work that will include major resurfacing of the Fairfax County Parkway and a full-depth reclamation/AC overlay project in the Salem District. These and other pro-

jects will bring the total asphalt related maintenance/resurfacing work for 2012 near \$400 million. Many of these contracts will get underway once the final contracts have been signed and notice to proceed has been issued.

This will be a busy season for VDOT inspectors and contractors.

New VDOT Faces

The Virginia Asphalt Association would like to welcome two new people to VDOT. Mr. Ken Connors, P.E. was named the new District Construction Engineer for the Culpeper District. Dr. Syed Haider, P.E. joined the Materials Division Pavement Design and Evaluation Section as a Senior Pavement Engineer. While not new to VDOT, VAA would like to congratulate Mr. Jamie Surface of Scheduling and Contracts Division for his new role. He is leading the Contract Proposal Section.

Quality Initiative Task Force Formed

What is the one criteria most of the traveling public uses to evaluate a roadway—ride quality. But as a member of the transportation and paving community, you know many other criteria are used to evaluate the quality of a roadway and pavement. VDOT has numerous criteria, including ride, to evaluate quality and condition. Some of these criteria during paving include the uniformity of the surface texture, mixture consistency, proper tacking, and compaction. However, well before the paving operation begins, overall quality hinges on selecting the right treatment for the right road at the right time. *Understanding these details and the desire to continually improve the overall condition of the VDOT network, a joint VDOT-VAA task force was formed to provide recommendations that would increase the service life of pavements.* The initial work and recommendations of this task force will be featured at the regional VDOT Asphalt Seminars.

Specifications

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The approach to improve the transition from old to new pavement, at bridges and under bridges has been addressed in the asphalt concrete overlay transition (ACOT-1) detail and associated modifications to the milling and placement of AC overlays special provisions. These changes layout when ACOT-1 applies and how the transitions are to be constructed.

For 2012, only one new special provision was included in

the plant mix schedules for asphalt materials—SM-4.75. This SP describes the material, construction and acceptance



processes. With the introduction of SM-4.75, Table II-14A in Section 211 was modified to include this new material.

With the move to 8 acceptance samples per lot

and lessons learned over the years, the SMA SP was modified for 2012. The design sieve ranges from the SMA-9.5 and SMA-12.5 were adjusted to reflect the tighter production tolerances. In addition to the sieves, SMA mixes must use two coarse aggregate sizes to improve mix control and consistency.

The use of shingles in asphalt mixes is slowly increasing, especially where RAP quantities are low. The primary change to the RAP SP was a blending table for mix

binder bumping.

Other asphalt materials changes include clarification of the BM-25.0D High Modulus mix design procedure, reinserting the asphalt patching density frequency language, clarifying the use of VST cores in acceptance, and continuation of the Non-Tracking Tack use dates.

Finally, modifications were made to pavement marking material Type B Class VI and the addition of Type B Class VII material Polyurea.