

The

READY-MIXER

Virginia Ready-Mixed Concrete Association

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newsletter

November 2006

David Dillon Wins 1st Place in VRMCA Truck Rodeo, Chris Johnson Wins 2nd

The 3rd Annual VRMCA Truck Rodeo was again a hugely successful event that gave professional drivers a chance to meet and fellowship with one another, as well as the opportunity to show off their expertise and knowledge regarding safe driving in the concrete industry.

The rodeo took place on November 1st at the Richmond International Raceway and was well-attended with 21 drivers.



VRMCA Associate Director Barrett Hardiman (left) with 1st place winner David Dillon of Chandler Concrete.

Scoring was based on three major components—a written examination covering the essentials of safety, a pre-trip inspection and the driving test. The written test was 20% of the total score, with the pre-trip and driving tests 40% each.

This year, the driving portion of the test was based on accuracy. Speed only became a factor if there was a tie between drivers. Drivers were penalized for knocking down cones and/or barrels and were marked accordingly.

Although the driving test is entertaining to watch, the primary goal of this event is to promote safety. The event is overseen by the VRMCA Safety Committee and all participating drivers are CDL licensed.

David Dillon, of Chandler Concrete in Roanoke, won first place and was awarded a \$500 cash prize. He will receive an expense-paid trip to the 2007 VRMCA Spring Convention at The Homestead, where he will be presented with a die-cast mixer truck trophy.

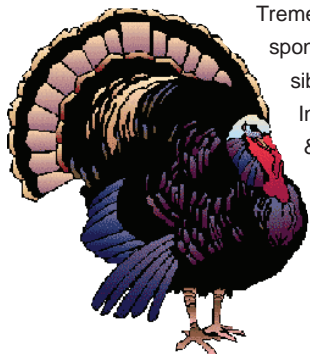
Chris Johnson of S.B. Cox Ready Mix, Inc. in Glen Allen took second place and received a \$250 cash prize.

Two Virginia State Police Motor Carrier officers, Chip Rosemond and T.H. Maxwell, Jr., scored the pre-trip inspections while other members graciously donated their time to serve as judges on the driving course.

These individuals include: Edward Thomas, Phil Sabo, Tina Harvey, Ricky Collins, Neil Logan, Aaron Wil-

liams, Todd Shenk, Danny Wilson, Chas Capitano, Matt Crabbe, Jason Landes, Ron Yankey, Gary Woolard and Jim Progar.

Tremendous gratitude is extended to the following sponsors, whose support helps make this event possible: Allied Concrete Company, Capital Concrete, Inc., Cardinal-Virginia Concrete Company, Crider & Shockey, Inc., Florida Rock Industries, S.B. Cox Ready Mix, Inc. and Titan America. We would also like to thank Truck Enterprises, Inc. and Peterbilt of Richmond for providing the ready-mixed trucks for the competition. ❖



Truck pulling up to front bumper barrier—one of the challenging components of the obstacle course.



Drivers observing the obstacle course.



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Announcement

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For safety related links,

please visit the safety committee section of the VRMCA website:

www.vrmca.com/about/



Workplace Health

by Becky Meade, Virginia Ready-Mixed Human Resource Consortium

In a volatile work environment where lots of things create demands in the daily routine, is it worth the effort to try to prevent the cold and flu season from keeping employees out of work?

It is estimated that between five and twenty percent of the general population contracts influenza, or seasonal flu, mostly during the fall and winter months. The figures are hard to estimate because not everyone who gets the flu goes to the doctor. A flu shot is everyone's best preventive measure, even though in any given year the newly produced vaccine might not be completely effective. The vaccine manufacturers are making an educated guess about which strain of flu will impact us during the upcoming flu season because it takes about six to eight months to produce a new vaccine.

The Centers for Disease Control has identified those they recommend get vaccinated for seasonal flu as people with chronic disease, such as asthma, and the elderly because the flu can be life-threatening. By getting a flu shot, people are less likely to contract seasonal flu and stay healthier. The healthier a person the better likelihood that a person is able to fight off avian flu should a pandemic occur. Experts in infectious disease say it isn't a matter of IF it will happen but WHEN it will happen.

Say you're not in any of the high-risk groups and you hate shots. What's wrong with just taking your chances? It's not just about you. If you have the flu, chances are, you're going to transmit it to others—and then those people pass it on, and so on. One of the reasons immunization is recommended is to limit the spread of the virus. The flu isn't just about health, either; a flu epidemic has a financial impact as well. The effects of the flu on the workforce can cause loss of income, loss of revenue, and an increase in health care costs. Getting the flu can have a significant community effect.

Here are some steps that companies can take to help with the flu season in the workplace:

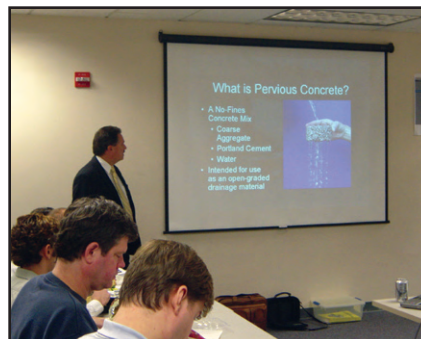
1. Offer company paid flu shots to employees.
2. Offer to pay for a portion of the flu shot.
3. Have a company come to the workplace to give flu shots whether company-paid or employee-paid to help with convenience to the employee and try to get a discounted rate.
4. Provide hand sanitizer in high traffic areas for folks to use and encourage employees to wash their hands and cover their mouths when coughing.
5. Consider if it is cost-effective for employees to be at work when they are sick or should they be sent home.

Please contact Becky Meade at 804-364-0500 or bmeade@coxreadymix.com to find out more about our group. ❖

Note of Appreciation

by Hessam Nabavi, R.A., Director of Industry Services, Northern Virginia

As part of VRMCA's commitment to educate the design professionals about ready-mixed concrete, VRMCA recently had an opportunity to organize a presentation about pervious concrete at Michael Baker Corporation in Alexandria.



Phil Kresge, National Resource Director with NRMCA.

Michael Baker Corporation is one of the leading national and international engineering and architectural firms with five offices in Virginia and many offices around the globe.

More than twenty engineers and architects attended this presentation.

Phil Kresge, National Resource Director with NRMCA, conducted this presentation. Mr. Kresge's presentation was very informative and raised many questions.

VRMCA would like to send our gratitude to Mr. Kresge for his time and effort. ❖

Targeted Marketing at Builders Trade Show at Dulles Expo Center: Northern Virginia Advisory Council

by Hessam Nabavi, R.A., Director of Industry Services, Northern Virginia

The Builders Trade Show at Dulles Expo Center, held in Chantilly, Virginia, on October 25, 2006, hosted hundreds of developers and builders. As I have reported in some of the previous articles, this year NVCAC has decided to participate in the trade shows which are more targeted towards the decision makers and specifiers such as developers, builders, architects and engineers, rather than just the general public. Design DC and the Builders Show are two examples of this decision.

This year was the first time for NVCAC to experience the Builders Trade Show, and I am happy to report that it was a very effective show which we should participate in regularly.

The show gave us an opportunity to meet many builders and developers and have one-on-one conversation with them. Our display was inviting and informative, offering good visibility. A pervious display tank and ICF wall drew the most attention and raised more questions.



From left to right: Tom Yendall of Titan Virginia, a builder, David Acott of Titan Virginia, an engineer and Tom Evans of Maryland Ready Mixed Concrete Association.



From left to right: Two builders with Art Nettle of Lafarge North America and Tom Yendall of Titan Virginia.

We saw a great deal of curiosity and interest in learning about pervious concrete. The credit for organizing this successful event goes to Tom Yendall of Titan Virginia Concrete, who is also the residential committee chairman.

Also many thanks to Duane Laughlin with Crider and Shockey Concrete, David Acott with Titan Virginia Concrete, Tom Evans with Maryland Ready-Mixed Concrete Association, Don Cooper with Aggregate Industries and Art Nettle with Lafarge North America for participating in this effort. Their time and effort to promote concrete are greatly appreciated. ❖



From left to right: Don Cooper of Aggregate Industries and a group of engineers.

ACI Examination Proctors in Hampton Roads Hold Luncheon for Richard Steele

by J. Keith Beazley, Director of Industry Services, Central Virginia and Hampton Roads

The VRMCA held the Concrete Field Testing Certification Examination on October 30th at the Titan America facility in Hampton. The class was a special event in that this was the last class in Hampton that Richard Steele, P.E., will administer before his retirement from the program this year.

The Hampton Roads Council has been a major site of ACI certification for many years and companies and individuals have supported the program serving as proctors, supplying concrete, and helping with locations for the testing. The proctors invited Richard Steele to a special luncheon after the testing to thank him for his service and to wish him well in his future endeavors.

Individuals serving as supplemental examiners for the period were: Jim Holland, Titan America; Steve Pinner, Titan America; Bill Denison, Titan America; Marie Derby, Essroc; Lee Flemming, Lafarge; Frank MacConochie, Schnabel Engineering; and Keith Beazley and Bob Nablo, VRMCA.

The time and service donated by the volunteers is very much appreciated. The new schedule for the ACI testing for 2007 will be published soon on the VRMCA website and next newsletter; check for a location in your area. ❖

**Mark Your
Calendar!**

**2007 Spring Convention
May 20-22, The Homestead**

**2007 Fall Convention
September 9-11, Hilton
Virginia Beach Oceanfront**

LABOR LAW UPDATE:

The What, Why, and “How Much to Whom” that Employers Need to Know

by John G. Kruchko, Esq. and Kevin McCoy, Esq. *

Labor law articles (and legal articles in general) tend to offer lengthy, mundane discussions of obscure legal issues that are often confusing (even to other lawyers) and decidedly unsatisfying for those business owners and HR professionals trying to digest and use the information. However, there is no reason why such articles cannot be more “user friendly.” Thus, we have gathered some important, but succinct, tidbits of recent labor happenings that could affect your business.

A. New Independent Contractor Test

If it were possible, every company would hire “independent contractors” instead of traditional “employees.” The former requires far less attention, is governed (usually) by a straightforward agreement, and requires no financial outlay for office space, sick leave, or health insurance. However, as most business professionals know, distinguishing between an employee and an independent contractor for payment purposes, especially overtime, can be critical. Historically, many employers and attorneys have utilized the IRS’ “twenty factor” test to determine whether a worker should be classified as an employee or an independent contractor. Recently, the IRS revised the “twenty factor” test in an effort to simplify and refine the analysis necessary to make the determination. The new test has been organized into several factors, which have been consolidated under three main headings:

1. Behavioral Control—Facts that show whether the business has a right to direct and control the manner in which the worker performs the task(s) for which he or she was hired. The more behavioral control, the more likely the worker is an employee. An employee is generally subject to the company’s instructions about when, where and how to work—including what workers do what tasks, what tools to use, and what order or sequence to follow. An employee also typically receives training or education from an employer on how to perform the designated tasks. An independent contractor is typically not subject to these types of behavioral controls.

2. Financial Control—Focuses on

whether the company has a right to control the business aspects of a worker’s job. Factors used in this analysis include: (a) the extent to which the worker has unreimbursed business expenses; (b) the extent of the worker’s investment in the equipment, facilities, and/or resources used to perform the work; (c) the extent to which the worker markets his or services to other companies in the community; (d) how the company pays the worker—i.e., regular payroll payments vs. “fee for service” arrangement; and (e) the extent to which the worker can realize a profit or loss on the work performed.

3. Type of Relationship—Tries to identify the nature and type of relationship the parties have entered. Relevant considerations include: (a) whether the business provides the worker with employment benefits, such as sick leave or vacation; (b) whether the relationship is considered permanent as opposed to a specific duration or until the completion of a specified project; (c) the extent to which the worker performs services that are a key aspect of the company’s regular business; and to a lesser degree (d) whether the parties’ relationship is governed by a written contract.

While the IRS has organized the criteria differently, many of the old ones remain. Unfortunately, the new test does not alleviate the need to apply the factors carefully to every individual situation. A complete version of the revised IRS test can be found in the 2006 Edition of IRS Publication 15-A.

B. The OFCCP Rescinds its Equal Opportunity (EO) Survey

The EO Survey has gone the way of the wind. Federal contractors have often complained about the burdensome gathering of employee data and, apparently, the OFCCP was not all that thrilled about processing the avalanche of information it received. The survey required government contractors to submit various personnel data broken down by race, ethnicity, and gender. In January 2006, an outside consulting firm concluded that the survey was of little value, finding no correlation “between the predictive variables generated from the EO Survey and determinations of noncompliance,” and that the survey “did not provide sufficiently useful data for enforcement targeting purposes.” The OFCCP agreed with the findings, determined the survey lacked enough utility to justify the

burden to contractors and to the OFCCP itself, and decided the best course was to eliminate it. Whether the OFCCP reincarnates the survey requirements in some fashion remains to be seen.

C. A New Way to Calculate Overtime?

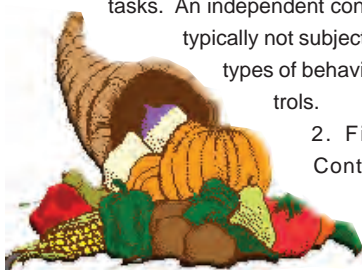
Most HR and business professionals know that employers are required by federal law to pay their non-exempt employees time and one-half their regular rate of pay for all hours worked in excess of forty (40) in a given week. However, a new method has taken hold in a few jurisdictions called the “fluctuating workweek” method. It may, depending on how various federal courts treat it, become widespread. Under this approach, employers who meet certain requirements may pay non-exempt employees a fixed weekly salary for all hours worked, but then pay them at one-half (1/2) their regular hourly rate of pay for any hours worked in excess of forty (40) in a given week. Two federal courts (one in Illinois and one in Ohio) have recently upheld this approach.

However, before the employer can utilize this new method, several conditions must be met: (a) the employee must know the salary covers all hours worked; (b) the employee must be paid a fixed salary regardless of the number of hours worked in any particular week; (c) the hours the employee works must fluctuate from week to week, (d) the weekly salary must be high enough to ensure the employee never earns less than the minimum wage; and (e) the employee must be paid “half time” for all hours worked over forty in a given week.

The rationale for this approach is that paying a salary, plus “half-time” for hours over forty (40), costs less than simply paying “time and a half.” Whether that is true turns, not surprisingly, on employees’ weekly salaries and how much “overtime” is routinely worked. Employers should calculate overtime using both methods to determine which is more cost-effective. Also, before implementing this new method, companies should make sure the jurisdiction(s) in which they have employees has not disapproved this method.

D. New Hire Reporting Made Simpler

Every employer should be familiar with employers’ general duty, under the personal Responsibility and Work Opportunity Reconciliation Act of



Architecture Exchange East 2006 Held in Richmond by Virginia AIA

by J. Keith Beazley, Director of Industry Services, Central Virginia and Hampton Roads

The Virginia Society AIA, founded in 1914, is a professional organization representing more than 2,000 Virginia architects. The Virginia Society is comprised of five local Chapters: Blue Ridge, Central Virginia, Hampton Roads, Northern Virginia and Richmond.

Three degree architectural programs are offered in Virginia by Hampton University, University of Virginia, and Virginia Tech; the Virginia Society membership support the programs at each of these learning institutions.

The Architecture Exchange East is the annual conference and expo offered by the Virginia Society of the American Institute of Architects in Richmond each November.

This conference was the 18th year

of the convention and VRMCA participated as a sponsor of the event.

The Association conducts a series of technical and educational seminars at the annual event and features programs of interest to architects that provide detailed information on concrete systems and programs. Architects attend three-day program from each area of Virginia.

VRMCA offered two programs this year at the convention that generated great interest and attendance. The programs were entitled "Paving Green with Pervious Concrete" and "Concrete in Sustainable Development" and were presented by Phil Kresge of NRMCA.

Phil is a National Resource Director for the National Ready Mixed Concrete Association and is the Virginia representative. His duties include promotion and development of concrete markets to national accounts located in the Northeast United States.

The program pertaining to pervious concrete paving generated a very large crowd and special

meetings and mailings will be conducted as a result of the seminar session. Pervious concrete paving is becoming a very large marketing segment for the Association.

The class on concrete and LEED points and credits also generated a large attendance and additional information will be given to individuals attending the session on concrete and the environment. Concrete usage provides credits

to LEED certification on architectural

projects; usage will satisfy requirements in many areas.

VRMCA has developed and purchased a new display booth and the convention was an opportunity for the booth and display to be presented. The booth, complete with a new background and lighting, represents the Association well and the opportunity to display the market areas of promotion is very good.

VRMCA was represented by Keith Beazley, Bob Nablo, and Hessam Nabavi who worked on the convention floor and each of the seminars. ❖



VRMCA display and pervious demo.



NRMCA's Phil Kresge speaks to architects.

Blue Ridge Council & Rockingham Redi-Mix Support MTC Scholarship Fund

by Bob Nablo, Director of Industry Services, Western Region

For the second year, the Blue Ridge Council, following the lead of member, Rockingham Redi-Mix, helped sponsor a scholarship fund-raising hot dog cookout for the Skills USA program at Massanutten Technical Center. This annual event raises money for vocational school programs such as the construction trades, and augments the donation made each year by the Blue Ridge Council.

Perhaps more importantly, each year Rockingham Redi-Mix offers the use of its mixer drum-style grill, and sends employees to do the hot dog cooking. This year Don Morris and Dirck Pence ran the portable grill, preparing more than 100 "dogs".

This event grows in popularity as word spreads, and the Blue Ridge Council looks forward to continued success for the event and greater funding available for scholarships. ❖



Participants of the Skills USA program.

NRMCA Pervious Concrete Contractor Certification Offered in Williamsburg

by J. Keith Beazley, Director of Industry Services, Central Virginia and Hampton Roads

A pervious Concrete Contractor Certification program is to be offered to contractors in Williamsburg the second week in January 2007. The NRMCA Pervious Concrete Contractor certification is modeled after ACI's Flatwork Finisher certification. The program is designed to be administered with planned training sessions or demonstrations of pervious concrete placement.

The Pervious Concrete Technician Certification Course will be the first course offered and an advanced course will offered at a later date.

The Pervious Concrete Technician certification requires passing a written exam. A pervious concrete technician is a person who is knowledgeable about proper procedures to place, consolidate, finish, edge, joint, cure and protect pervious concrete pavements, but lacks the sufficient work experience to qualify as a pervious concrete craftsman.

The Contractor certification will provide the concrete contractor, general contractors, concrete industry management and salespersons with the knowledge of the placement of pervious concrete. The course brochure and registration form will be emailed and hard copies distributed to the membership for contractors to attend. Ready-mixed producers should encourage concrete contractors who will be bidding and placing pervious to attend the course. A list of contractors who have completed this course will be made available for reference from the VRMCA for distribution to customers, engineers and architects who need the services of a pervious contractor.

The Contractor Training course is the second part of the Pervious Concrete Technology Symposium held in Williamsburg in November. The combined committees of Central Virginia and Hampton Roads Councils are sponsoring the training course after the very successful conference. ❖



Labor Law Update

Continued from page 5

1996, to report all new hires to the federal New Hire Registry via a designated state process for reporting. The reporting requirement is designed to identify and locate custodial parents who are delinquent in child or medical support payments and to assist the government in locating those who have defaulted on student loans. Employers who have employees in different states are generally required to comply with the state reporting requirements where the employee works.

However, complying with each state's reporting requirements does not mean filing a report with each state. Indeed, multi-state employers may report to a single state for all its employees—even those working in other states. In order to utilize this option, employers must register with the Department of Health and Human Services and keep their registration current.

Thereafter, employers must submit updated reports electronically or magnetically twice per month, usually two to three weeks apart. To register with the Department, employers may either send a registration form via regular mail or fill out the application online at the Department's website.

The convenience of reporting to one state can alleviate a lot of red tape for multi-state employers. Plus, different states require different categories of information to be collected and reported. By reporting to a single state, an employer need only focus on one set of reporting requirements for all its employees.

82006 Kruchko & Fries

* John G. Kruchko is a partner with the Management Labor & Employment Law Firm of Kruchko & Fries in McLean, Virginia. Kevin McCoy is an Associate with the Firm.

For more information, please contact Mr. Kruchko or Mr. McCoy at (703) 734-0554 or jkruchko@kruchkoandfries.com, or kmccoy@kruchkoandfries.com. This article is published for general information purposes, and does not constitute legal advice. ❖

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VRMCA Supports ACI Level 1 Class For Bristol VDOT

by Bob Nablo, Director of Industry Services, Western Region

On November 14, VRMCA assisted with the first-ever special ACI Field Testing Technician Level 1 class and exam for employees of the Bristol District VDOT. Richard Steele instructed the class and supervised the written and practical exams, while VRMCA members, other VDOT employees, and employees of the Bristol-based Permatile Concrete Products Company acted as supplemental examiners for the practical exam.

VRMCA member, Lakeside Ready Mix of Abingdon, donated the sample concrete for the testing stations, and the Bristol VDOT District gave maintenance bay space to set up the testing stations. Robert Marek of Roanoke Cement Company and Bob Nablo represented VRMCA, with Larry Johnson and Gail Weston of the Lynchburg District VDOT Materials Division also traveling to far Southwest Virginia to help. Gary Taylor, Brian Truelove, Paul Hicks and Brian Cole from Bristol VDOT served as examiners, and Mitch Rainero, Mickey Arnold and Hunter Land of Permatile filled out the group of proctors. Thanks to all of these individuals for volunteering their time and energy, ensuring that this unusual ACI certification was a success. ❖



Examiners test VDOT employees of the Bristol District.

"WHEN IT RAINS, IT DRAINS": Pervious Concrete in Action

by Hessam Nabavi, R.A., Director of Industry Services, Northern Virginia

The NVCAC Commercial Committee and VRMCA recently sponsored a seminar and demonstration about pervious concrete. The purpose of this event was to briefly introduce the use and benefits of porous concrete to the contractors.

With the help of NVCAC membership, a good number of contractors and various county officials were present at this gathering. Art Nettle of Lafarge North America, who is also the commercial committee chairman, conducted this presentation entitled, "When It Rains, It Drains, A Pervious Concrete Conversation."

Teck Chua, President of Concrete Engineering, Inc., which is a division of Florida Rock Industries, Inc., was also invited to offer his expertise and to answer the technical questions. In his presentation, Art addressed many important topics covering the reasons and methods. He talked about pervious concrete for managing storm water runoff, cost saving for developers and municipalities, environmental effects of pervious concrete, mixed design, placing, screed, compacting, jointing, curing, freeze-thaw resistance, and the maintenance and limitations involved. At the end of the presentation, there were many questions which were answered by Teck, Art and other NVCAC members.

The seminar was followed by a demonstration at the Cardinal-Virginia Dulles Concrete Plant. Two pervious concrete sample pads were placed some time ago at the plant to be used for this demonstration. Mr. Mike Newman with Cardinal-Virginia Concrete had organized this part of the show by making sure the pads were ready and a ready-mixed truck with several hundred gallons of water was available. We could not have selected a better day to demonstrate what pervious concrete is capable of, as it was pouring rain.



Group of contractors and producers watching the pervious demonstration.



Art Nettle of Lafarge North America conducting his "When It Rains, It Drains, A Pervious Concrete Conversation" presentation.

Most everyone who attended the seminar that morning came to see the demonstration. People were standing under their umbrellas watching this event in total disbelief.

A concrete truck was pouring gallons of water over the pervious concrete pads and it was also raining very hard, but amazingly enough, water was disappearing as fast as it was hitting the porous concrete. This group had never seen anything like this, but here it was right in front of their eyes. It was working. They saw pervious concrete in action. They saw a great solution for storm water management. They saw truly what it means when we say, "WHEN IT RAINS, IT DRAINS." ❖



Teck Chua of Concrete Engineering answering questions.

Pervious Concrete Technology Symposium in Williamsburg Attracts Large Crowd and Interest in Pavement

by J. Keith Beazley, Director of Industry Services, Central Virginia and Hampton Roads

The Pervious Concrete Technology Symposium, held in Williamsburg in the first week of November, attracted a very large crowd and was highly successful. The seminar included the basics of pervious concrete: mechanical properties, hydrologic designs, construction guidelines, production and quality control and applications.



300 gallons of water being dumped on pavement.

A demonstration of placed pervious pavement was held at Busch Gardens in Williamsburg and participants had an opportunity to view the concrete in a practical application.

The seminar attracted over 100 individuals and included architects and engineers, city and county officials, state and local regulatory agency officials, builders and developers, and concrete industry management and personnel. Each of the attendees received a package of special reference materials of the most recent information on pervious concrete and paving.

The first session, "Introduction to Pervious Concrete

and Application," was presented by Phil Kresge, the National Resource Director for the NRMCA. This session introduced the audience to basics of pervious concrete—applications, and mechanical properties. Successful projects were introduced and opportunities for pervious were explored.

The second session featured the Assistant Director of the Storm Water Management Program for the Commonwealth of Virginia, Carlton Lee Hill. Hill presented the regulations for water management, requirements for localities, best management practices and current regulations.

Hill also talked about ways pervious concrete may meet requirements and become part of best-management practices for projects. Lee is very interested in the application of pervious concrete as a solution for problems concerning the Chesapeake Bay Act. Hill's responsibility include erosion and sediment control and storm water management programs for the Commonwealth. Pervious concrete will play a very large role in this program.

The third session was presented by Everette Knight, P.E., of McKin & Creed Engineers. This firm, with over 500 engineers, is located in North Carolina and Virginia and specializes in storm wa-

ter services. Knight was chief engineer on the University of North Carolina Center Park project, the largest porous pavement parking lot in North Carolina. Knight's topic was drainage analyses, storm water management studies, and detailed designs for pervious pavements.



Speakers Phil Kresge (left) and Everette Knight discuss the program.

Alan Sparkman, Executive Director of Tennessee Concrete Association, presented the fourth session on concrete mix designs, pervious applications and construction techniques. Sparkman talked of special usages and techniques for pervious and "what to do and what not to do with pervious concrete".

His practical experience was very good and his presentation could have filled the afternoon.

A special section of pervious was installed at Busch Gardens, and after the presentations were finished, the symposium was moved to view the installed section. A concrete mixer truck with three hundred gallons of water was dumped on the surface and the water disappeared into the concrete. The pervious section performed with a rainfall amount that would be equal to over 2,000 inches of rainfall per hour.

The symposium was a special project of the Hampton Roads and Central Virginia Advisory Councils. The Councils developed a special committee from each group to develop and manage the seminar. The combined committee is planning a special session on Contractor Training with certification later in January. This certification will be part of the NRMCA Contractor Certifying Program for Pervious Concrete. Information will be mailed with an application to attend this session. Ready-Mixed producers are encouraged to send their best contractors to the event in January. ❖



Alan Sparkman, Executive Director of Tennessee Concrete Association.



Carlton Lee Hill of the Virginia Department of Conservation and Recreation.

The VRMCA Technical Committee is developing a series of Technical Bulletins in order to address various issues of interest to the ready-mixed concrete industry.

Technical Bulletins 1-4 are now available and posted on the website. Please visit the VRMCA website at www.vrmca.com to download electronic versions. You may also contact the Association Headquarters at 434.977.3716 for printed copies.

Please make every effort to distribute these to contractors, engineers, and testing labs in your area.

Special Concrete Project for Pervious Symposium Committee

by J. Keith Beazley, Director of Industry Services, Central Virginia and Hampton Roads

The pervious concrete section at Busch Gardens provided an exciting challenge for the steering committee of the Pervious Symposium. The goal was to provide a section of pervious concrete pavement for the attendees of the conference to examine, as well as see the pavement perform with a large amount of water placed on it.

The Director of Quality Control for TCS Concrete, Shelley Sheetz, was asked to provide the mix design and concrete for the project. Trial batches were developed, and Jim Tanner, of Deaton Concrete Services, donated his time and expertise to have sample pavements installed for the committee to see before the final product was produced. The samples were incorporated into parking spaces for the company office. These samples are attractive components of the parking lot and are of

very high-quality finish and design.

The corporate offices of Busch Gardens in Williamsburg were asked if the special section could be placed in a parking lot across the host hotel for the participants to view.

Suzanne Cheely, P.E., the Director of Engineering was very supportive of the project and a site and the opportunity for the park to view and test pervious pavements were selected for the placement. Steve Kerr, Jim Pratt, and

Keith Beazley worked with the Busch Gardens personnel for the paving application.

The design of the pervious section was comprised of six inches of stone and six inches of pervious concrete. The existing pavement was cut by Deaton Concrete and the cut was made for the stone base.



Placing the concrete.



Curing the concrete.

Po Walker, Vice President of Denton Concrete, volunteered to supervise the work crew and the previous concrete was placed. The section was a 10' X 50' area. After the placement was completed, the concrete was covered by curing blankets; control joints were sawn into the concrete after the initial cure.

On the day of the symposium, a mixer truck was filled with three hundred gallons of water. The truck backed on the section and all water disappeared into the pervious concrete. Engineering estimates have figured over 2,000 inches of rain would need to fall to equal this amount of water. The crowd attending the demonstration was very pleased with the performance of the concrete and the demonstration. This was the first opportunity for people to actually see pervious concrete at work. The demonstration was very worthwhile and the effort by the committee was very beneficial. ❖



Six inch rock storage bed.

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