



Hard Facts

Newsletter

Summer 2010 - August

Vol. 13, No. 1

President's Message



Don Anger
Americast, Inc.

The Precast Concrete Association of Virginia is dedicated to the growth of the precast concrete industry. We pursue that purpose by educating and partnering with specifiers, installers and end users on the advantages and proper utilization of our products and systems. The association will represent its members in the Commonwealth of Virginia.

The last few years have been very challenging for the precast industry to say the least, and this year will continue to be difficult. In these times, the strength of our association will be more important than ever. VDOT has made drastic cuts in personnel. Old friends have retired and we need to develop relationships with the new, reorganized VDOT. Our joint PCAV/VDOT meetings in March and September will help us develop and strengthen these

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Hy-Span® by Permatile helps improve Roanoke River Greenway Crossing



Before the new bridge was installed, little could pass beneath it. Since the new bridge (above) was installed, people can enjoy boating and the fish population is being restored.

The upper low-water bridge on Wiley Drive in Roanoke, Virginia had spanned the Roanoke River with nine small round culverts and a concrete apron for more than 50 years. The bridge connects three public parks and is a vital link in the new Roanoke River Greenway. While the old bridge provided a river crossing for pedestrians, vehicles and bikers, its closed design was an impediment to fish passage and recreational boaters and often hindered flood flow during heavy rainstorms.

The project to replace the aging bridge was spearheaded by the Virginia Partners for Fish and Wildlife Program and the National Fish Passage Program and was funded under the American Recovery and Reinvestment Act

(ARRA) by the FishAmerica Foundation, the U.S. Fish and Wildlife Service, City of Roanoke, VA and USDA Natural Resources Conservation Service.

Permatile Concrete Products Company of Bristol, VA and Hammond-Mitchell Contracting Inc. of Covington, VA worked together to

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Americast, Inc.

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Hanson Pipe & Precast

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PCAV Happenings



Mark Singer
PCAV
Exec. Director

PCAV's Annual Conference was held May 11th and 12th in Roanoke, and although the turnout was a bit subdued, the involvement and enthusiasm of attendees were not.

The conference began with a round of golf at the newly opened Ballyhack Golf Course. Ballyhack is rated one of the most difficult courses in Virginia and on a brisk and windy day, it lived up to its course rating and reputation. Congrats to the winning foursome of John McConnell, Patrick and Steve Rodgers, and Scott Landers. The conference formally opened that evening with a reception and sit-down dinner allowing maximum networking opportunities for Associate and Producer Members. The next morning committees met, and then a meeting of the Associates was held, followed by a full meeting of the PCAV Board of Directors.

Congrats to the newly-elected PCAV leadership which consists of Don Anger (Americast) as President and Don Wagner (Hanson Pipe and Precast) as Vice President. The newly-elected Associate Representatives to the Board are Weldon Mitchell (Trelleborg, NPC) and Craig Whitten (East Jordan Iron Works). Outgoing President Mimi Rainero Coles (Permatile Concrete Products) was also honored with a plaque recognizing her leadership and commitment to the goals of the association during her two-year

term as President.

The final General Session of the conference featured the newly-appointed NPCA Director of Sustainability, Mr. Kyle Kerstein, who provided a valuable oversight into the area of LEED certification, and important trends that in the future will dictate that precasters will simply have to become more "green" if their businesses are to grow and succeed.

Immediately upon adjournment of the conference, two of the Association's Past Presidents, Hank Gottschalk and Mimi Coles, and current President Don Anger participated on a computer link with representatives of the Northeast Cement Shippers Association and the Portland Cement Association regarding marketing support for the PCAV's efforts in the coming months. Thanks to Hank, Mimi, Don and others who prepared content for this presentation.

Plans are already underway to continue the highly successful Joint VDOT/PCAV meetings next year in March and September in Richmond. There are also ongoing discussions to determine both the level of interest and the logistics associated with incorporating advertising into future editions of this newsletter.

PCAV is happy to note that producer member Smith-Midland Corp. is celebrating their 50th anniversary. That is quite an accomplishment and on behalf of all of the members of the PCAV, congratulations and best wishes for 50 more years!

Finally, let me say that I, and the PCAV Board of Directors, understand how difficult the current economy is for most of our members. And while the tendency is to cut back on expenditures and hunker down until this storm blows

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PCAV Happenings

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over, I suggest that would be precisely the wrong direction to take as it applies to membership and participation in the PCAV. Now more than ever, each member needs the support of his or her peers. Now more than ever the networking opportunities with members, VDOT, design professionals and others mean so much more than in good times. And now more than ever the PCAV needs your membership support in order to continue to tell the “precast story.” Thanks for your continued support in these difficult times. They will get better!

~Mark Singer

President’s Message

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relationships. We will continue these meetings and meet with districts, residencies, and individual departments on an as needed basis.

Educating and marketing efforts by very dedicated and hardworking members have been successful and we need to continue these efforts and expand on them. By aligning with the National Precast Concrete Association and American Concrete Pipe Association we can use their available resources and materials to expand our efforts.

I will convene the board of directors in the near future for a planning session. We need to be proactive in our efforts and I call on all members or interested persons to contact me, or any board member, with ideas on how we can best serve the **association** and the **industry**.

I look forward to serving as president and working with everyone this year.

~Don Anger, Americast, Inc.

Pipe Inspection Demos Coming Soon

Be on the lookout for a Pipe Inspection Demonstration near you. The PCAV is partnering with a local pipe inspection team and will be providing demonstrations on post installation pipe inspections at several locations across Virginia. These demonstrations will

showcase current inspection equipment, and will be done in an environment where attendees can see firsthand issues with the unaided eye and through the “eyes” of the inspection equipment.

~Hank Gottschalk, Hanson Pipe & Precast



Pipe inspection demonstration gives a “hands on” look at post-installation inspection techniques.



Guests gather for a pipe inspection demonstration at Hanson’s facility in Manassas, VA.

ACSE Virginias Conference

The 2010 ASCE Virginia's Conference, hosted by Catholic University of America, was held April 8–10. Six teams from Virginia, West Virginia and Washington, D.C. competed in the Concrete Canoe Competition.

Each team was charged with designing, building, and racing a canoe of identical exterior dimensions and exterior hull shape, and the canoe had to be made from concrete. Each team was also charged with utilizing recycled materials in their mix designs.

Catholic University's entry, "Divine Dreadnaught," had an estimated weight of 290 pounds and a concrete unit weight of 54 pounds per cubic foot.

Virginia Military Institute's entry, "The General Page," had a unit weight of 98 pounds per cubic foot and was built using recycled crush concrete cylinders and recycled asphalt.

West Virginia University Institute of Technology's craft, "Paddle Faster I Hear Banjos," had a unit weight of 61.2 pounds per cubic foot using polystyrene beads, crushed glass aggregates, glass bubbles and ceramic spheres.

West Virginia University's "Pioneer" weighed in at 310 pounds, had a unit weight of 59.8 pounds per cubic foot, and a 28-day compressive strength of 1481 psi.

Virginia Tech's entry, "The Rolling Stone," weighed approximately 290 pounds and had a unit weight of 51 pounds per cubic foot. The team tried crushed walnut shells in the mix and this appeared to hurt the concrete strengths they were trying to achieve.

The University of Virginia's entry, "Fly Like Ash," had a total weight of 324 pounds and a unit weight of 104 pounds per cubic foot. The team



Fairmont State swamp testing their canoe, "The Privateer."



VMI paddling their canoe, "The General Page."

utilized recycled building material from the campus dormitories.

Fairmont State's entry, "The Privateer," proved to be the overall winner of the concrete canoe

competition. The team is headed to the national competition and we wish them the best of luck.

~Hank Gottschalk, Hanson Pipe & Precast

Roanoke River Greenway

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provide the owners with the most economical and hydrologically efficient design for the bridge.

Once the existing concrete apron, culverts and large scour pad were removed, the contractor built the two end piers and two instream cast-in-place footers on which the precast concrete HY-SPAN bridge units were placed. The 120 lf crossing was completed with a triple span bridge consisting of 24 total bridge units. Each of the three sections of bridge was built with eight units of 40' span x 8' rise rigid frame span on a 30-degree skew. The sections were post tensioned and grouted. Total project time, including demolition of the original bridge, instream work and installation and completion of new bridge, was six months. The precast concrete bridge sections were installed in three work days. The use of precast greatly helped the contractor stay on schedule, especially since much of the work was in the water and there were several delays due to the snowy winter weather of January and February 2010.



The old bridge on Wiley Drive was falling apart and did not allow fish or boats to pass beneath it.



Besides providing a better link for the Roanoke River Greenway, the new bridge promotes wildlife biodiversity along the Roanoke River through fish passage restoration by eliminating the concrete bottom and creating a mud line for fish to progress up and down stream. The larger hydraulic openings in the precast rigid frame bridge spans help to minimize the footprint of the bridge in the water, provide less obstruction for recreational boaters, ease local flooding and aid in recovery of native fish like the federally listed endangered Roanoke log perch.

~Mimi Coles, Permatile

VDOT Pipe Backfill Requirements

The Virginia Department of Transportation mandates different backfill requirements for Thermoplastic pipes (HDPE & PVC) than for Reinforced Concrete Pipe (RCP). Because VDOT's requirements are not located in one central location, there are misunderstandings on what really is needed to provide a proper VDOT pipe installation.

The PCAV has developed a one page "Quick Fact" sheet to help contractors, inspectors and designers understand VDOT's pipe installation requirements. The "Quick Fact" is included in this copy of Hard Facts as a quick reference.

For Concrete Pipe, select backfill labeled "Class I Backfill Material" is to be installed up to the springline (centerline) of the pipe. "Regular Backfill Material" is then used from the springline up to the grade, completing whatever is being built above the pipe-line.

For Thermoplastic pipe, VDOT requires that "Class I Backfill Material" be used all the way up to 12" above the top of pipe, fully encasing the Thermoplastic pipe.

Note that an open grade stone like #56, #57, or #78 is not allowed by VDOT for use as "Class I Backfill Material." Only a well graded material

with proper compaction is allowed by VDOT. The acceptable well grade material as listed in VDOT Road and Bridge Specifications, are shown on the "Quick Fact" sheet.

It is important to note that VDOT requires that "Class I Backfill Material" be included in the bid item for installed pipe, and there is no additional pay for the increased amount of "Class I Backfill Material" required when installing plastic pipe.

For any addition information, contact the PCAV office and they will get you in touch with a member of the PCAV Pipe Committee.

PCAV Member Directory

A. L. Patterson Inc.
300 Ben Fairless Dr.
Fairless Hills, PA 19030
800-332-7090
www.patterson-online.com

A-LOK Products, Inc.
P.O. Box 1647
Tullytown, PA 19007
800-822-2565
www.a-lok.com

American Step Company
P.O. Box 137
830 E. Broadway
Griffen, GA 30224
1-800-988-step (7837)
asc95@msn.com

Americast
11352 Virginia Precast Rd.
Ashland, VA 23005
804-798-6068
www.americastusa.com

BASF Admixtures, Inc.
609 Global Way, Suite 100
Linthicum, MD 21090
800-988-7837
www.basf.com

Boral Material Technologies
730 S. Scales St. Suite C4
Reidsville, NC 27320
336-274-1140
www.boral.com

Capitol Foundry of Virginia Inc.
2856 Crusader Circle
Virginia Beach, VA 23453
757-427-9431

CONAC Concrete Accessories, Inc.
2725 Northwoods Pkwy. A-2
Norcross, GA 30071
770-417-1110
www.concacweb.com
victorb@centurytel.net

Concrete Sealants, Inc.
9325 State Rt 201
Tipp City, OH 45371
800-332-7325
www.conseal.com

Contractors Precast Corp.
3200 Patuxent River Road
Davidsonville, MD 21035
301-261-4730
www.contractorsprecast.com

East Jordan Iron Works, Inc.
P. O. Box 29308
Richmond, VA 23242
804-513-0674
www.ejiw.com

Essroc Cement
617 Sheepside Rd.
Laneview, VA 22504
800-624-8986
www.essroc.com

Fullerton & Knowles, P.C.
12644 Chapel Road, Ste. 206
Clifton, VA 20124
703-818-2600
www.fullertonlaw.com

Grace Construction Products
440 Bennett Cerf Drive
Westminister, MD 21157
540-220-8159
www.gcp-grace.com

Hamilton Form Co.
7009 Midway Road
Fort Worth, TX 76118
817-590-2111
www.hamiltonform.com

Hamilton Kent, LLC
77 Carlingview Dr.
Toronto, ON M9W 5E6
978-376-9965
www.hamiltonkent.com

Hanson Pipe & Precast
2900 Terminal Ave.
Richmond, VA 23234
804-233-5471
www.hansonpipeandprecast.com

Holcim (US) Inc.
1260 Security Road
Hagerstown, MD 21742
301-739-1150
www.holcim.com

Insteel Wire Products
1373 Boggs Drive
Mount Airy, NC 27030
800-791-4108
www.insteel.com

Ivy Steel & Wire
P. O. Box 6855
Jacksonville, FL 32236
800-423-3206
www.ivysteel.com

Kaufman Products, Inc.
3811 Curtis Ave.
Baltimore, MD 21226
800-637-6372
www.kaufmanproducts.net

La Farge North America

100 Pratt Street
Chesapeake, VA 23324
757-545-2481
www.lafarge-na.com

Lehigh Cement Co.

675 Quaker Hill Road
Union Bridge, MD 21791
800-462-9071
www.lehighcement.com

M. A. Industries, Inc.

303 Dividend Drive
Peachtree City, GA 30269
800-241-8250
www.maind.com

Martin Marietta Aggregates

9513 Hull St. Rd., Suite A
Richmond, VA 23236
804-674-9517
www.martinmarietta.com

Meadow Burke Products

P. O. Box 960
Newington, VA 22122
800-550-0060
www.meadowburke.com

**Nansemond Pre-Cast
Concrete Co., Inc.**

3737 Nansemond Parkway
Suffolk, VA 23435
757-538-2761
www.nansemondprecast.com

Oldcastle Precast

5115 Massaponax Church Rd.
Fredericksburg, VA 22407
540-898-6300
www.oldcastleprecast.com

**Permatile Concrete
Products Co.**

100 Beacon Road
Bristol, VA 24203
276-669-5332
www.permatile.com

Press-Seal Gasket Corp.

P. O. Box 10482
Ft. Wayne, IN 46852
260-436-0521
www.press-seal.com

Rinker Materials

1751 Monocacy Blvd.
Frederick, MD 21701
301-698-7373
www.rinker.com

Roanoke Cement Co.

7097 Old Millstone Drive
Mechanicsville, VA 23111
504-798-3251
www.roanoke-cement.com

Smith-Midland Corporation

5119 Catlett Road
Midland, VA 22728
540-439-3266
www.smithmidland.com

Spillman Co.

P. O. Box 07847
Columbus, OH 43207-0847
800-443-6767
www.spillmanform.com

Swope & Associates, Inc.

10846 Courthouse Road
Charles City, VA 23030
804-829-5551

TEKA North America, Inc.

4104 Holland Blvd, Suite 105
Chesapeake, VA 23323
757-558-8846
<http://www.tekamixers.com/>

Trelleborg Engineered Systems

2638 Leslie Rd.
Mount Airy, MD 21771
800-626-2180
www.trelleborg.com

**U.S. Foundry and
Manufacturing Corp.**

7123 Brown Summit Road
Brown Summit, NC 27214
800-527-8380
www.usfoundry.com

Virginia Contractor Supply

9106 Owens Dr.
Manassas Park, VA 20111-4803
703-368-2950
mike@vcs-md.com

Vulcan Construction Materials

8856 Rixlew Lane
Manassas, VA 20109
703-368-2060
www.vulcanmaterials.com

**Winchester Building
Supply Co., Inc.**

2001 Millwood Pike
Winchester, VA 22602
540-667-2301
www.wbswinchester.com

FOR MORE INFORMATION ON ANY MEMBER OF THE PCAV, PLEASE GO TO www.gopcav.com

2010-11 Calendar of Events

DATE	EVENT/LOCATION
Aug. 28-Sept. 1	SASHTO 70th Annual Convention Little Rock, AR
Sept. 8-9	Virginia Engineer's Conference Williamsburg, VA
Sept. 23	PCAV/VDOT Meeting Marriott Richmond West 4240 Dominion Boulevard Glen Allen, VA
Oct. 21-24	45th NPCA Annual Convention Vancouver, BC/Canada
Dec. 8-10	Commonwealth of Virginia Governor's Transportation Conference Roanoke, VA
March 22	PCAV/VDOT Meeting The Place at Innsbrook 4036-C Cox Road Glen Allen, VA

PCAV/VDOT Meetings

At the PCAV/VDOT meetings listed above, there will also be numerous committee meetings held in conjunction with the meetings. Meetings run from 9:00 a.m. to 1:30 p.m. Please mark your calendar. Further information on these and future PCAV/VDOT meetings will be sent out 30 days in advance of each meeting.

Visit the PCAV website!
www.gopcav.com

We Want You!

We invite anyone interested in our organization or in the precast industry to contact a member in their area or our office. Are you ...

- A precast producer interested in what PCAV can do for your business?
- A contractor in search of products or installation information?
- An engineer in search of a manufacturer, product or design information?
- An architect interested building with precast concrete?
- A student interested in precast concrete information or a summer internship?

Contact Us!

Telephone: 804.377.2144

www.gopcav.com pcav@gopcav.com

PCAV Mission

The Precast Concrete Association of Virginia is dedicated to the growth of the precast concrete industry. We pursue that purpose by educating and partnering with specifiers, installers and end users on the advantages and proper utilization of our products and systems. The association will represent its members in the Commonwealth of Virginia.

PCAV Past Presidents

Bill Tichacek, Americast	1991-1993
Jim Richmond, CP&P	1993-1995
Kirby O'Malley, Hydro Conduit	1995-1996
Don Anger, CP&P	1996-1997
Richard Rotondo, Rotondo Precast	1997-1999
Scott Crumpler, Americast	1999-2001
Mimi Rainero Coles, Permatile	2001-2003
Stephen Rodgers, Contractors Precast Corp.	2003-2005
Hank Gottschalk, Hanson Pipe & Precast	2005-2008
Mimi Rainero Coles, Permatile	2009-2010

Hard Facts is a publication of the Precast Concrete Association of Virginia for its members. Submissions, story ideas, member kudos, letters to the editor and comments are welcomed. Contact the editor, Lois Carter Fay, at 800.203.8660 or lcf@marketingideashop.com.

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