



Maryland Chapter ACI Newsletter

www.aci-md.org

President's Message

By: Tom Evans

As my term begins to wind down as Chapter President, I must reflect on a very quick past two years. When I do, I recognize many individual efforts as well as an enormous amount of teamwork and communication across the concrete industry. Some Chapter highlights that come to mind are an ever growing and improving certification program; a student scholarship program; cooperation with the other associations and continued support of the Annual Excellence in Concrete Awards Program.

The Level I Training Video is finished and will be sent to all future examinee applicants. The motivation behind developing this video was to give the examinee a "visual" of all the testing procedures "before" they take the training class. The video is designed to help better prepare the examinee and also stresses how important it is to be proficient in the field. The video also points out the fact that, what the technician does in the field, does affect all concerned parties.

This year, we have received over 20 project nominations for the Annual Excellence in Concrete Awards Program. Award winning projects completed in 2009 will be recognized during the banquet scheduled for May 27, 2010 at the Engineering Society of Baltimore. Plus, for the first time, we will recognize and award a Maryland Engineering student by providing them a \$2000 scholarship.

If you are plugged in to the latest economic driver, you know it is Sustainability. More and more owners, developers, planners and design firms are going green with a triple bottom line that covers

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20th Annual Membership Golf Outing

Monday, May 3, 2010

Wakefield Valley Golf and Conference Center
1000 Fenby Farm Road, Westminster, MD
410-876-8787
8:00 a.m. Registration
9:00 a.m. Shotgun Start
2:00 p.m. Lunch and Awards

Registration Fee is \$100 per person
Hole sponsors are being accepted for \$85 each
Registration deadline April 22, 2010

CONTACT Mindy Green
301-694-4899

-or-

visit our website at www.aci-md.org

***Bonus-All registrants will receive a free greens fee for future play.**

Chapter Meeting Schedule

April 13 th	ACI Student Awards, College Park, MD
April 20 th	Concrete Repair Basics Seminar, Baltimore, MD
May 3 rd	Golf Outing, Westminster, MD
May 27 th	Excellence in Concrete Awards Banquet, ESB-Baltimore
Sept. TBD	Dinner Meeting, ESB- Baltimore Joint with Baltimore Engineering Societies
Nov. TBD	Breakfast Meeting, Frederick, MD
Dec. TBD	Tree Lighting Celebration, ESB-Baltimore

ACI Conventions

**Fall 2010 –Green Concrete in the Steel City
October 24-28**

The Westin Convention Center- Pittsburgh, PA

For more information:

Go to www.concrete.org or call (248) 848-3795

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Environmental, Social and Economic impacts. ACI, PCA, NRMCA and many others have joined the Concrete Joint Sustainability Initiative. This is an industry coalition dedicated to educating ourselves, our members, and the public about the role and responsibilities of concrete in sustainable development. Checkout www.sustainableconcrete.org for the latest information.

As we move toward more sustainable development, we hope to see more design firms choosing concrete products for their buildings, structures and pavements. Get ready for the next building cycle because concrete just might lead the way!

As your Chapter President, I really appreciate and enjoy the opportunity to serve the membership and the industry. At any time, about any concrete subject, to get the information and assistance you're looking for; please contact our office at 301-694-4899 or visit our website www.aci-md.org.

Thank you,

Tom Evans
President

ACI Maryland Chapter Library

Did you know that our chapter has a library available to our members which contains numerous ACI documents and publications? The library contains many standards & reports, special publications and some miscellaneous items. Any ACI Maryland Chapter member can utilize these materials. They are maintained at the McGraw-Hill Dodge building in Towson. The address is 1050 Cromwell Bridge Road (just inside the beltway, I-695). A list of the materials included in the library can be found at the library link at www.aci-md.org.

Library Hours: M-F 8:00-4:30 pm

Driveway & Pavement - Scaling

Exterior concrete surfaces exposed to freezing and thawing in the presence of moisture and/or deicing agents are susceptible to scaling. Surfaces scale when road salts are carried by vehicles and deposited on these surfaces in concentrated amounts, sometimes causing scaling only in the areas where the vehicles park or drive. Surfaces exposed to moisture for an extended period of time greatly increase the severity of freezing and thawing. The higher the moisture content, the greater potential for the development of disruptive hydraulic pressures during freezing. Some deicers, such as those containing ammonium nitrate and ammonium sulfate, chemically attack and disintegrate concrete.

Deicing chemicals, including chloride-based chemicals, should **never** be applied to concrete less than (2) years old. The National Ready Mix Concrete Association strongly recommends that deicing agents not be used, but to use clean sand for traction. Also recommended is the use of a penetrating sealer (silane) to protect the concrete, especially during the first winter when concrete is most susceptible to scaling.

Proper placing, finishing, and curing procedures are required for good, durable concrete. No finishing operations shall be performed when there is excess moisture or bleed water on the surface. No water shall be added to the concrete surface to assist in finishing. Steel troweling or overworking of the concrete surface is not recommended. Provide proper curing by using liquid membrane curing compound or by covering the surface of freshly placed slabs with wet burlap. Curing insures proper combination of cement with water known as hydration, which allows the concrete to achieve its highest potential strength.

ACI Concrete Repair Basics

Learn the best methods and materials for economic and effective concrete repairs from industry experts. Attend the one day seminar in Baltimore, MD on April 20, 2010 and earn 7.5 PDH units.

Registration – Kim Olesky (248) 848-3812

MD Chapter ACI Scholarship Program

The Maryland Chapter of the American Concrete Institute has approved a scholarship to be granted to a Maryland College or University student. The scholarship will be awarded to an individual pursuing a degree in civil or structural engineering, construction management, or architecture.

The recipient of the 2010 Scholarship will be announced at the May 27, 2010 Awards of Excellence Banquet held in Baltimore, MD.



ACI Field Testing Technician Certification Programs New Training Video

The Maryland ACI Level I Training Video is finished and will be sent to all future examinees who will be taking the exam with us. The video has been in the making for quite some time but we hope that it was worth the wait. The motivation behind this video is to give a “visual” of all the testing procedures “before” they take the training class. What the Maryland ACI Chapter has to offer should help better prepare the examinee and also help stress how important it is being proficient in the field. What differentiates this video is that before each procedure a brief perspective from a “common sense” angle is conveyed to the examinee. Such issues as to how vital it is to prepare before testing on the job (ex. making sure equipment is calibrated and in working order), the subjectivity of the slump test, the importance of the unit weight, etc. are all presented in an effort to help stress that technician performance in the field effects all concerned parties.

We believe that the video, the book, the emphasis on being prepared, the live training, the detailed power point hand out, plus another week to prepare after the training class and the chance to call the instructor before the exam, will give the examinee the best chance of passing. More importantly it will hopefully give the examinee a better perspective on just how important the job of testing concrete is to our industry.

Special thanks to Will Rafferty, Dean Plank, Tom Evans, Superior Concrete and Quality Film and Video in Manchester, Maryland for their efforts.

Excellence in Concrete Awards

Over 20 nominations were submitted for this year’s Excellence in Concrete Awards program to be held on May 27, 2010 at the Garrett Jacobs Mansion, which is home to the Engineering Society of Baltimore.

These projects showcase the best that concrete has to offer for projects completed in 2009 in the Maryland region. The banquet is always heavily attended and provides a chance for current and future ACI members to meet with the project owners, engineers, architects, contractors and suppliers.

Look for a meeting announcement flier for details.

ACI Level I Field Technician Test Schedule

April, May & June training dates are full

August 11 & 18-Frederick / Frederick
September 8 & 15-Frederick / Crofton
October 13 & 20 –Frederick / Frederick

Note: Group sessions can be scheduled for businesses or organizations- Approximately 2 months notice is required.

Contact Mindy Green – 301-694-4899

There are several other local and National organizations that have similar goals to ACI which is to promote the use of concrete through education.

The Maryland Ready Mix Concrete Association, The Maryland Asphalt Association and now the Maryland Transportation Builders & Material Association, (Recently merged Maryland Aggregates Association and Maryland Highway Contractors Association) have scheduled a Joint Spring Conference. The Conference is being held at Hyatt Regency Chesapeake Resort, Cambridge, MD from June 27 to 29, 2010.

Please visit www.marylandconcrete.com for details.

2009-2010 Chapter Officers

<u>President:</u>	Tom Evans MRMCA/MRMCP P.O. Box 617 Frederick, MD 21705	301-694-4899 301-694-4939 Fax tom@marylandconcrete.com
<u>Vice President:</u>	Dean Plank Superior Plus, LLC P.O. Box 692 Frederick, MD 21705	301-698-4030 dplank@superiorplusllc.com
<u>Secretary:</u>	Mindy Green MRMCA/MRMCP P.O. Box 617 Frederick, MD 21705	301-694-4899 301-694-4939 Fax mindy@marylandconcrete.com
<u>Treasurer:</u>	Kevin Clisham S&G Concrete Company 2110 Philadelphia Rd. Edgewood, MD 21040	410-679-0500 ext. 15 410-679-3293 Fax kevinc@flarock.com
<u>Directors:</u>	Will Rafferty Swope & Associates 185 Opal Drive Chambersburg, PA 17202	717-261-1161 717-261-1161 Fax williamrafferty@yahoo.com
	Ben Like, P.G. Schnabel Engineering 1504 Woodlawn Drive Baltimore, MD 21207	410-994-6170 410-994-1162 Fax BLIKE@schnabel-eng.com
	Daniel Bowers Bekaert Corporation 8417 Norman Court Fairplay, MD 21733	240-818-8187 Cell daniel_bowers@bekaert.com
	Tom Simon, P.E. Penniman & Browne, Inc. 6252 Falls Road Baltimore, MD 21209	410-825-4131 410-321-7384 tsimon@pandbinc.com
	Joe Bradik Lehigh Cement Company 2710 Shady Grove Drive Baldwin, MD 21013	410-692-9536 410-692-2042 Fax JBradik@LEHIGHCEMENT.COM
	Rebecca Penniman Penniman & Browne, Inc. 6252 Falls Road Baltimore, MD 21209	410-825-4131 410-321-7384 pres@pandbinc.com
<u>Past President:</u>	Marco Legaluppi Whitney, Bailey, Cox and Magnani 849 Fairmount Ave., Ste.100 Baltimore, MD 21286	410-512-4578 410-324-4100 Fax MLEGALUPPI@WBCM.com