



The **VOICE** of the Concrete Contractor
 AMERICAN SOCIETY OF CONCRETE CONTRACTORS

OCTOBER 2012

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Industry Calendar

ACI Fall Convention, Toronto, ON
October 21 – 25, 2012

World of Concrete, Las Vegas, NV
February 5 – 8, 2013

Concrete Executive Leadership Forum
 The Breakers, West Palm Beach, FL
July 25 – 28, 2013

Annual Conference, Columbus, OH
September 12 – 15, 2013

NEW MEMBERS

Welcome to our newest members.

- Evans Brothers Concrete & Block LLC, Atlantic City NJ
- Thermomass, Boone IA
- GFP Cement Contractors LLC, Newport DE
- TODDROSE Decorative Concrete, Inc., Lincoln NE



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projects and easier to interpret codes and specifications. It was not long after he joined ASCC that he became president, and created a vision of what the organization could become. His leadership, along with his cajoling and encouragement, created the right moment for ASCC to reinvent itself and begin moving forward to become the "Voice of the Concrete Contractor" that it is today. The term MRA (Moving Right Along) is synonymous with his style of managing. He also is respectfully remembered by many of us in the industry as a mentor for our careers and our involvement in the advancement of the industry. He was always teaching, analyzing, and encouraging others with no gain for himself. Gene will also be remembered for his seemingly bottomless archive of jokes, and a "Joke du Jour" became a must at the end of any meeting. I will remember Gene for all of these skills and traits. I will also remember him fondly as a friend, a very dear friend. He will indeed be missed.

EXECUTIVE DIRECTOR'S MESSAGE

Bev Garnant

Random Thoughts for October

Thanks to all of you who attended the Annual Conference and to our great sponsors! Congratulations, also, to those receiving safety awards, especially **Walbridge** and **Prus Construction Co.**, winners of the W. Burr Bennett Award for Safety Excellence. Our speakers across the board received great marks. The megademo, despite the chilly, windy weather, was educational and provides a good, non-classroom way to learn.

There was a lot of buzz at the Conference about young leaders. Several informal meetings started a great dialogue that will continue. Do you have a young person in your organization who should be involved in ASCC? Give it some thought.

PRESIDENT'S MESSAGE

Clay Fischer, ASCC President

We just wrapped up our 11th Annual Conference in Chicago, and what an event it was. It was nice to see some new faces among our "regulars" and get to know them. We say that if we can get someone to attend an ASCC event, they are hooked for life. There is so much sharing of knowledge and experience that one would be hard pressed to find anywhere else. Although I learn a lot from the seminars, to me the most valuable thing is the one on one interaction with my fellow contractor and global associate members. Through our membership in ASCC and our participation in events, I have been able to assemble an unbelievable list of industry contacts that can help me with almost any situation. Where else can you get that? The other thing that really struck me was the energy the DCC members (and Paul Albanelli) put into the Decorative Concrete Mega-Demo. It was evident that these folks are passionate about their craft and truly love what they do. It was inspiring to watch.

On a sad note, we lost our long time director and a past president Eugene H. Boeke, Jr. last week. Gene was very kind to me, and was always ready to help. He will be sorely missed.

Please be careful out there!

REMEMBERING EUGENE H. BOEKE, JR

Brad Inman, Past President



Gene Boeke was a giant of a man, physically, vocationally and compassionately. I knew Gene for over thirty years and there truly are not many like him. He started out as a water boy on construction projects in the Atlanta area, worked his way thru Georgia Tech and an engineering degree, worked most of his active career for Beers Construction in Atlanta, rising to corporate general superintendent. The skyline of Atlanta is to a great degree the efforts and accomplishments of Gene and his company. Gene became active in ACI and in ASCC. His dedicated work and contributions to ACI technical committees paved the way for more efficient, constructible concrete

According to Bill Palmer's latest editorial in *Concrete Construction*, the magazine is going a new direction with the CC Top 100. Rather than ranking contractors by sales volume, they will identify 50 "best" contractors based on qualifiers such as safety, industrial and community involvement, etc. Bill has asked contractors to let him know what they think the criteria should be at wpalmer@hanleywood.com. Or you can send me your thoughts and I'll pass them along. I encourage you to respond.

Congratulations to **Mike Schneider**, Chief People Officer at Baker Concrete Construction and a past president of ASCC. Mike received a Lifetime Achievement Award from the Spirit of Construction Foundation of Greater Cincinnati on Saturday, October 6. The Celebration of Construction 2012 was a lovely event I was privileged to attend. Well deserved Mike!

WOC is coming up sooner than you think. It starts on Super Bowl weekend so make your hotel reservations now. And don't forget to enter our A20 code when registering for the show. Think about something you might donate to the CIM auction.

Last but not least, the construction industry and ASCC lost a great leader when Gene Boeke passed away this week. Gene was a strong voice in ASCC and ACI, had a huge influence on construction in Atlanta, was a strong, innovative leader and loved dahlias! He will be missed by many.

W. Burr Bennett Award for Safety Excellence



Left to right: Andy Chirch, Prus Construction Co., Cincinnati, OH; Wayne Kirkland, CNA; Clay Fischer, ASCC president; Helen Prince, CNA; and Mike Dawson, Walbridge, Detroit. Prus and Walbridge are the 2012 winners of the W. Burr Bennett Award for Safety Excellence. Prus won in the specialty contractor category and Walbridge in the general contractor category.

DECORATIVE CONCRETE COUNCIL

Nicholas Adams, Decorative Concrete Council

Support Your Associate Members

After attending my committee meetings prior to the Annual Conference, I enjoyed six hours of "windshield" time during my drive home. This provided me the rare opportunity to think and reflect. One reflection was the genuine concern of the ASCC staff and membership to do business with the suppliers or "associate" members who support the organization. This was one of the attributes that drew me to actively participate and promote this organization. There are obvious business advantages in building relationships with so many concrete contractors. However, I have also learned a tremendous amount from my peer group of associate members. The talent, knowledge, relationships and assets that associate members have is overwhelming, and it is all open to You! I really encourage the membership to seek out the expertise existing within these supplier companies.

I was privileged in December of 2011 to participate in the development of the DCC's new Strategic Plan and to become a board member. The first goal was to "Facilitate the Education Process". This is supported by a strategy to "Refine the Delivery Method" with one of the tactics being "Utilize Associate Members". People often say, "They just want to sell you something", and of course, we do! That is how we support our businesses and livelihood so we in turn can support the association. Having stated this, what I really find in the supporting members is a genuine concern to help and enhance the capabilities of contractors and our industry. While there are many ways to interact with suppliers there is one common theme. We want to help you understand our products and services so you can make the proper choice to suit your needs. In doing so, we can provide you with two critical components to success: operational efficiency and total cost savings.

Please support the culture of ASCC by providing your supplier partners with a "fair hearing"; it really is all they ask. That way they can tell you about their business and open up their resources to you. Associate members can be a real asset in achieving the mission of the DCC in "Advancing Decorative Contractors Through Education and Networking."

CONCRETE CARES



ASCC member Brooks Construction, Sioux Falls, SD, recently completed this pink ribbon stamp at the Avera McKennan Fitness Center in Sioux Falls. The project was stamped concrete with a pink color hardener border and a polyaspartic ribbon with a reflective sand and etched edge. The project is part of Mike Murray's effort to have a pink concrete project in each of the 50 states by October 2013.

DOES ACI PROHIBIT EARTH-FORMED FOOTINGS?

Ward Malisch, Technical Director

Q. Is there any document that says footings must be formed and not trench poured? Is this part of any Code that you are aware of? We have a township official telling us this is an ACI requirement.

A. Show the township inspector the following excerpt from ACI 117-10, “Specification for Tolerances for Concrete Construction and Materials.”

3.5—Deviation from cross-sectional dimensions of foundations

3.5.2 *Unformed foundations cast against soil* Horizontal deviation from plan dimension.

Excavation shall be measured before concrete placement. Tolerance shall apply at all locations.

Where dimension is 2 ft or less+3 in.

.....-1/2 in.

If it’s an ACI requirement that footings must be formed and not trench poured, there would be no need for ACI tolerances for unformed foundations cast against earth. ACI 318-11, “Building Code Requirements for Structural Concrete,” and previous versions are silent on this matter, so it’s not a Code requirement that footings be formed with wood or other materials.

Also, page 9-4 of SP-4, *Formwork for Concrete*, 7th ed., states, that:

“In good, cohesive soils that stand up well, all possible excavation down to the top of the footing is done with trencher, backhoe, or other digger, and the footing outline is cut by hand or by specialized mechanical equipment to the exact size.”

Fig. 9-5 from SP-4 even shows a photo of a carefully excavated trench that serves as a form for footings that will be placed without wood forms.

ACI 301-10, “Specifications for Structural Concrete,” requires permission for earth forming as shown below:

2.2.2.3 Unless required or permitted, do not use earth cuts as forms for vertical or sloping surfaces.

Optional Requirements Checklist for 2.2.2.3

Specify if earth cuts will be permitted or required.

If ACI 301 is not cited in your specifications, you can still use the ACI 117 and SP-4 references for support of earth-formed trench footings. And because permission can be granted per ACI 301-10, the inspector is wrong when he says it’s an ACI requirement that footings must be formed and not trench poured. **Note:** The ACI documents cited can be purchased at www.concrete.org.

CHANGES TO LEED: VERSION 4

On October 2, 2012, the U.S. Green Building Council (USGBC) launched an unprecedented fifth public comment period of their LEED (Leadership in Energy and Environmental Design) green building rating system, LEED v4. Although not a code or standard, the LEED rating system has greatly impacted green building practices in the U.S. Historically, the USGBC increases the stringency of credit requirements with each iteration of LEED. In the fifth public-comment-period, many of the credits are finalized, but a few of the more controversial credits are still open for comment. I will highlight credits under the New Construction category that are still open for comment, and that are of interest to the concrete construction industry.

SS Credit: Heat Island Reduction

In LEED v4, roof and nonroof credits from LEED 2009 were combined into one credit category worth a total of two points. Significant changes include:

- Nonroof
 - Solar reflectance values (rather than solar reflectance index or SRI) are reported.
 - Site paving is included, but not hardscape, as allowed in previous versions.
- Roof
 - Roof materials must meet aged solar reflectance index (SRI) values, and no standard exists to calculate aged SRI for concrete.

MR Credit: Building Product Disclosure and Optimization—Environmental Product Declarations

This credit allows for up to two points to be awarded “to reward project teams for selecting products from manufacturers who have verified improved environmental life-cycle impacts.” Option 1 requires the use of 20 permanently installed products that have:

- Product-specific declaration,
- Industry-wide (generic) environmental product declaration (EPD),
- Product-specific Type III EPD, or
- Declaration from a USGBC-approved program.

Product value depends on the stringency of the product declaration, and declarations must come from a minimum of five different product manufacturers.

For Option 2, 50% of the value of permanently installed products (by cost) must have:

- Extended producer responsibility, or
- Reduced environmental impact (per USGBC program).

Products used to meet the criteria of Option 2 are also valued according to source location (similar to regional materials), and structure and enclosure cannot be more than 30% of the value of the compliant building products.

MR Credit: Building Product Disclosure and Optimization—Sourcing of Raw Materials

This credit allows for up to two points to be awarded, “to reward project teams for selecting products verified to have been extracted or sourced in responsible manner.” Option 1 requires the use of “20 permanently installed products from manufacturers that have publicly released a report from their raw material suppliers including the following:

- Raw material supplier extraction locations
- A commitment to long-term ecologically responsible land use
- A commitment to reducing environmental harms from extraction and/or manufacturing processes
- A commitment to meeting applicable standards or programs voluntarily that address responsible sourcing criteria

Products are valued depending on the stringency of the report, and products must come from a minimum of five different manufacturers.

For Option 2, 25% of the value of permanently installed products (by cost) must meet criteria related to:

- Bio-based materials,
- Recycled content, or
- New wood products,
- USGBC approved program.
- Materials reuse,

Products used to meet the criteria of Option 2 are also valued according to source location (similar to regional materials), and structure and enclosure cannot be more than 30% of the value of the compliant building products.

MR Credit: Building Product Disclosure and Optimization—Material Ingredients

This credit allows for up to two points to be awarded (one for each option), “to reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances.” Option 1 requires the use of “20 permanently installed products from manufacturers that use any of the following programs to demonstrate the chemical inventory of the product:”

- Manufacturer Inventory,
- Cradle to Cradle, or
- Health Product Declaration,
- USGBC-approved program.

Products must be inventoried to 1000 ppm, and products must come from a minimum of five different manufacturers.

For Option 2, 25% of the value of permanently installed products (by cost) must use one of the following to document material ingredient optimization:

- USGBC approved program,
- Cradle to Cradle v2 Certified, or
- GreenScreen v1.2 Benchmark,
- International Alternative Compliance Path – REACH Optimization.

Products used to meet the criteria of Option 2 are also valued according to source location (similar to regional materials) and level of participation in each program, and structure and enclosure cannot be more than 30% of the value of the compliant building products.

Let Your Voice Be Heard

The fifth public-comment-period draft of LEED v4 closes December 10, 2012. Industry stakeholders are encouraged to comment on credits that are still open. Public comment drafts are available at www.usgbc.org and the final draft is set to be voted on by the USGBC membership on June 1, 2013.

Emily Lorenz, PE, LEED AP BD+C, is an independent consultant in the areas of green building and sustainability. She can be reached at emilyblorenz@gmail.com or 312-402-2539.

Upcoming Webinars (webinars begin at 3:00 p.m. CST)		
Date	Topic	Presenter
Nov. 14, 2012	How to Photograph Decorative / Architectural Concrete Projects	Jim Brady, Architectural Photography
Dec. 12, 2012	Why Concrete Shrinks: What You Can and Can't Do About It	Dr. Ken Hover, Cornell University

Members no charge. Non-members \$35; MC, Visa, Amex only. Call 866-788-2722 to register.



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