



May 20

Chapter Meeting

Brookhaven College Ellison Miles

Geotechnical Institute

Registration - 2:30 p.m.

Meeting - 3:00 p.m.

Using New Technologies to Improve Concrete Performance

Jack Gibbons, Central Region Manager, CRSI

Architects, engineers, and contractors will benefit from this discussion on Jack Gibbon's experience in the development of high performance concrete. This presentation provides a background as to how new admixture technology was used to solve unique and specific concrete application problems leading up to the development of the ultra-high performance 16000 PSI self-consolidating mixes for the 100-story Trump Tower project in Chicago.

This program is a result of Mr. Gibbons' many years as Director of Technical Services for Central Ready Mixed in Milwaukee and Prairie Materials in Chicago. He is a long time member of the American Concrete Institute, serving on committees 302 "Guide for Concrete Floor and Slab Construction", 360 "Design of Slabs on Grade", 362 "Parking Structures", and recently 309 "Consolidation". Mr. Gibbons is also a past President of the Wisconsin Chapter of ACI.



Strength In The Storm

Reinforced concrete masonry walls survived hurricane Charley. The couple weathering the storm on the first floor were unhurt when the roof was lifted. After the eye passed the building, winds reversed direction, coming across a body of water and up a small escarpment from the right in the photo. The roof was found in the parking lot to the left of the photo.

(Photo: John Turner, 2004)

From the Editor

Now that winter is done, spring has sprung, and severe weather season is upon us. This week's storms in Oklahoma and Kansas remind us that what we do is important. As designers, suppliers, and contractors, we have a responsibility to building owners and occupants to provide a properly-built structure. Although current building codes do not generally require buildings to be tornado-resistant, a well built structure provides protection to occupants, even in extreme situations.

Local government buildings may serve as shelters and are critical to post-storm recovery. Places like fire stations and city halls house equipment and people needed for emergency response and continuity of services. Fire stations were damaged in each of the last two tornado outbreaks. FEMA 361 is a guide for community shelters which is finding more widespread use in all kinds of public structures.

Modern concrete construction methods such as insulating concrete forms (ICF), as well as tried and true methods like fully grouted, reinforced CMU, provide ways to put the strength of concrete into more kinds of structures. As the residential and light commercial construction markets recover, our segment of that market can grow using these methods, helping our companies recover while providing safer places in the face of storms.

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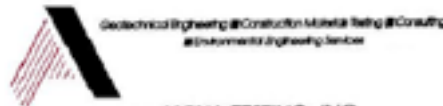
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PRESIDENT'S MESSAGE

I enjoyed the March presentation on pervious concrete. I am not sure adding additional water to our active clay soils would be a good idea in North Texas. The pervious concrete has some great applications and it will be a matter of time before it will be used more frequently in our area.

Our chapter was recognized as an "Excellent Chapter in 2009". This recognition is due to the quality of people in our membership and the work of our Board of Directors and Committees. As proof to that theory, two members were recipients of ACI Annual Awards at the 2010 Convention in Chicago. Vartan Babakhanian received the ACI certification Award for his efforts as our Certification Committee Chairman. Victor Villarreal received the ACI Construction Award for his paper "Internal Curing – Real World Ready Mix

Production and Applications: A Practical Approach to Lightweight Modified Concrete". If you have not already done so, be sure to congratulate Vartan and Victor the next time you see them.

As you can tell, the Matrix and the website have a new look. Thanks to John Turner for taking on the responsibilities of webmaster and Matrix editor. As John stated in the May Matrix, if you have any suggestions or comments on the website or newsletter, please contact him.

The May meeting presentation looks like another informative one. I look forward to seeing everyone on May 20th.

Sincerely,

Eric Cleveland, P.E.
Terracon

ACI Concrete Field Testing Technician Grade I Certification Examination

The North Texas Chapter of ACI will be conducting a certification examination on May 15th, 2010. This examination will be at the Hanson Technical Services Lab (Weather permitting). Training is on May 14.

To prepare for the examination, the certification committee needs everyone to take the exam to fill out a registration form. A check for \$280.00 per person must be sent in with the registration form before May 7, 2010.

There must be at least 10 applicants to hold this test. This fee covers the cost of the full examination (written and performance) and lunch. In the event you need to retake only one portion of the exam, see the brochure for the fee.

Remember that your certification expires five years from the date of your most recent successful examination and you must be re-tested before expiration of your current certification to retain it.

Check-in for examination will begin at 7:00 a.m. An ACI demonstration video will be shown from 7:00 to 8:00 a.m. From 8:30 to 9:30 a.m., the written portion of the exam will be conducted. From 9:30 a.m. to??? The performance portion of the exam will be conducted. We try to finish no later than 5:00 p.m. Examinee should bring at least two No. 2 lead pencils, an eraser, and a calculator. The exam requires a working knowledge of the following ASTM Standard Methods or Procedures C-172, C-143, C-231, C-173, C-138, C-3, and C-1064. If you have any questions, call

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US EPA & Coal Combustion Products - UPDATE

Directly from the US EPA website:

<http://www.epa.gov/osw/partnerships/c2p2/use/build/research.htm>

On May 4th, 2010, EPA proposed the first-ever national rules to ensure the safe disposal and management of coal combustion residuals from coal-fired power plants. While EPA is engaged in the rulemaking process, the Agency has suspended active participation in the Coal Combustion Products Partnership. EPA continues to believe that beneficial use of coal combustion residuals, when performed properly and in a safe manner, is beneficial to the environment.

[May 2010 coal combustion residuals proposed rule](#)

Please take time to review the proposal and comment, since public comments are the best way to shape these rules. We all have an interest in making certain that concrete remains competitive in price, function, and sustainability. Fly ash is an important ingredient in making concrete meet these needs.

ACI Northeast Texas

Established in 1964, the Northeast Texas Chapter of the American Concrete Institute covers northeast Texas, including the DFW metropolplex. Our Chapter conducts meetings in January, March, May, July, and September. Meetings are typically held the third Thursday of the month at Ellison Miles Geotechnical Institute, Brook Haven College, Dallas.

Membership

If you are interested in joining the Chapter, please visit aci-netx.com and click on the membership link.

If you need more information, contact Bob Henry at 817-723-9975 or henryrs@tx.rr.com

MATRIX

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