



NEWSLETTER

PRESIDENT'S MEMO

INSIDE THIS ISSUE:

<i>President's Memo</i>	1
<i>Spring Golf Tournament</i>	1
<i>Certified Finishers Wanted</i>	1
<i>Upcoming Events</i>	2
<i>Virgil D. Skipper Seminar</i>	2
<i>New Members</i>	2
<i>Membership Application</i>	3
<i>May Chapter Meeting</i>	3
<i>September Meeting Notice</i>	4

2002 BOARD OF DIRECTORS:

- President:
Kirk Deadrick, Lafarge
- Vice President:
Tobias Branson, MARTA
- Secretary/Treasurer:
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 - Mel Galinat, SI Concrete Systems
 - Lenny Moniz, Precision Concrete Construction
 - Jami Taylor, TUCCO—Tucker Concrete Company
 - Joe Wolfe, W.R. Grace & Company
 - Nick Maloof, Thomas Concrete Industries

September 11, 2002 - One year since the horrible terrorist attack. The thought brings back a sickening feeling. One year of healing and a country trying to keep their heads up. Who would have thought that we would ever experience something like this in our lifetimes?

What are we missing? Two towers, one 1,368 ft. and the other 1,362 ft. tall. Construction started in 1966 and was completed by 1973 (Tower One-1972, Tower Two-1973). They held the rank of the tallest buildings for 2 years. The owners were the Port Authority of New York and New Jersey and a new 99-year lease had been signed in 2001. The Architect was Minoru Yamasaki, with Emery Roth and Sons consulting. The Engineering firm was Worthington, Skilling, Helle and Jackson.

The uniqueness of these buildings was the design. The difficulty was building a structure that could withstand enormous winds loads and settlement loads due to the fact that the towers were built on 6 acres of landfill. Thus, each foundation extends more than 70 feet below ground level to rest on solid bedrock. The elected design was for a "tube building" that was actually a hollow tube with closely spaced steel columns with floor trusses extending across to a central core. The columns were 18 3/4" wide and set only 22" apart which made the building look as though it had no windows, although the actual windows were a "shoulder-width" wide.

Buildings this tall needed special elevators. How else would you get to the 110th floor? Certainly, not straight up. Otis Elevators designed an express and local system where passengers would change at "sky lobbies" on the 44th and 78th floors, thus cutting the number of shafts in half.

On September 26, 2002, in conjunction with ASCE and SEHE, our September luncheon meeting presentation will be, *World Trade Center-Twin Tower Structures and Collapse* by W. Gene Corley of Construction Technology Laboratories. This will be a fabulous opportunity to listen to an expert who is involved with investigating the collapse of the Twin Towers. Please make sure that you mark your calendars and bring a friend!

Kirk K Deadrick
President

CERTIFIED FINISHERS IN DEMAND

We were alerted by ACI International of the following: "We are seeing a growing number of specifications requiring the Flatwork Finisher & Technician certification language requiring the certification is pending for the next editions of the AIA Master Spec and the ACI 301 Specifications for Structural Concrete. Once this language is adopted you will probably see an increase in demand for the Flatwork Finisher & Technician Certification".

SPRING GOLF TOURNAMENT

The annual event held again at the Highland Golf Club on June 14, 2002, had 43 participants. The first place foursome consisted of Nike Maloof, Jim Chaffer, Chuck Matic and Frank Lennox. There was a three way tie for second place. How can this happen?

The three second place foursomes were: Rick Myers, Tim Moss, John Cook and Jay Howard; Kirk Deadrick, Mike Vereline, Rob Viola and Brian Bridges; Lenny Moniz, Mark Casey, Ward Gunn and Joe McGill.

There were ties for Closet to the Pin and Longest Drive as well. Merv Givens and Tommy Granade were "Closet to the Pin" and Rick Myers and Ward Gunn had the "Longest Drives".

NEW MEMBERS

August 2002

Jennifer Kline
Jordan, Jones & Goulding
Norcross, Georgia

Pete Needham
Atlanta Structural Concrete Company
Buchanan, Georgia

John Estep
Caldwell Concrete
Newnan, Georgia

Chad Caldwell
Caldwell Concrete
Newnan, Georgia

Lisa Woods
Jordan Jones & Goulding
Norcross, Georgia

Guy Marsh
Starzer Brady Fagan Ass.
Atlanta, Georgia

Abdi Kabadah
HTC Research & Support
Doraville, Georgia

Another Way to Place Concrete

New Jersey Transit has commissioned the renovation of its 4200 ft long North Bergen Rail Tunnel. URS Greiner/Sverdrup is the design engineer and Merco is the general contractor. One interesting aspect is the forming and application technique for the concrete walls for which Merco using EFCO equipment.

The tunnel is a horseshoe shape 21 ft high by 30 ft. wide, being first shotcreted, then finished with a concrete coat. EFCO supplied two 50-ft traveling forms, capable of hydraulically expanding to support the pumped concrete. Interior platforms support the concrete pumping system. With the two forms, Merco has been able to pour and move a single form on a two-day cycle, achieving a pour every day.

Features of the forms include inspection windows, concrete pump connections with shut off guillotines, work platforms, hydraulic adjustment laterally for minor alignment errors, and a roller system for easy transfer to the next 50-ft section.

(ENR 9/2/02)

UPCOMING EVENTS

GC&PA's Annual Convention

August 1-4, 2002
Ponte Vedra Inn & Club
Ponte Vedra Beach, Florida

Georgia Chapter ACI Luncheon Meeting

Thursday, September 26, 2002
Sheraton Buckhead Hotel Atlanta
Atlanta, Georgia

ACI Seminar

Supplemental Cementitious Materials

Tuesday, November 5, 2002
Sheraton Buckhead Hotel Atlanta
Atlanta, Georgia

ICBO/SEA Seminar

2000 IBC Structural Provisions
Thursday, September 19, 2002
Double Tree Guest Suites Hotel
Atlanta, Georgia

**For more information please contact
Olga DeVal @ (847) 291-9864**

ACI Seminar

318-02 Building Code
Thursday, October 17, 2002
Location TBA
Atlanta, Georgia

MAY CHAPTER MEETING

We had almost forty in attendance to hear a presentation by Gregory Halsted, Pavements Engineer for the Portland Cement Association. The title of Greg's program was "Full Depth Pavement Reclamation Using Cement." The program was received with mixed enthusiasm since it was about "resurrecting" asphaltic pavements with food ole portland cement. The FHWA statistics quoted were that travel on the secondary asphaltic pavements increased 100% from 1970 to 1995 while the traffic loading increased 450%! No wonder we get potholes! The PCA to the rescue. Greg described their program called "CRAB", an acronym for cement recycled asphaltic base. The CRAB operation utilizes a large material handling train and rips up the old distressed asphalt pavement, sizes the material and blends cement as it replaces the material back on grade. This technology suites the new "green" philosophy since it uses inisitu materials, saves energy and is environmentally friendly. For asphalt pavements of six inches or less the existing grade can be maintained.

The reclamation process produces a "semi-flexible" base course that is ready for a wearing course (which should be PCC). The cement addition ranges from 4 to 10 percent by weight of dry material to attain a 95% Procter value determined by ASTM D 558. The in-place cost of CRAB without a wearing course ranges from \$1,72 to \$4.71 per square yard. This would be compared to conventional removal and replacement costs of \$3.64 to \$28.43 per square yard.

2002 MEMBERSHIP APPLICATION

Name: _____
 Company: _____
 Title: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Office Phone: _____ Fax: _____
 Home Phone: _____ E-mail address: _____

Professional Category: (Check one)
 Architect
 Contractor
 Engineer
 Student - Name of School _____
 Affiliate
 Other: _____

Are you an ACI International Member: Yes No

If yes, date joined National: _____ If yes, Committee Membership: _____

Sponsored By: _____ Date Joined: _____

NEW MEMBER DUES RENEWAL

<p>Annual Dues: \$25.00</p>
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MEMBERS WANTED...

Members! We need more members. One of the sections on the Annual Report covers points for Membership. We did not lose any points for last year, but we did not gain any. Ask for your friends and fellow workers to join. We need to gain members this year.

Thank you.

Please complete application and mail with your \$25 check to :

Georgia Chapter, ACI
 100 Crescent Centre Parkway, Suite 110
 Tucker, Georgia 30084
 (770) 621-9324
 FAX: 770-621-9380

You may use this form to renew your dues for 2002 — or sign up a new member !



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We're on the web!
www.georgiachapteraci.org

SEPTEMBER MEETING NOTICE

PROGRAM: WORLD TRADE CENTER—TWIN TOWER
STRUCTURES AND COLLAPSE

SPEAKER: MR. W. Gene Corley, Ph.D.
Senior Vice President
Construction Technology Laboratories

DATE: Thursday, September 26, 2002

TIME: 11:45 a.m.— Registration
12:15 p.m.— Luncheon

LOCATION: Sheraton Buckhead Hotel
Atlanta, Georgia

PRICE: \$30.00 - Pre-registered
\$10.00 - Students
\$35.00 - Walk-ins and No-shows

RSVP: To RSVP, please call J'Que at (770) 621-9324 BEFORE
4:30 pm on TUESDAY, SEPTEMBER 24, 2002.

PLEASE NOTE: *If you fail to call in prior to the deadline, or do not show
for the luncheon, you will be charged \$35.00 .*

*Members and non-
members are welcome
to attend our meetings*