

March 2011

Concrete Conveyor

**AMERICAN CONCRETE INSTITUTE
SOUTHERN CALIFORNIA CHAPTER**



YOUR SOURCE FOR WHAT'S HAPPENING NOW!

MARK YOUR CALENDAR!

MARK YOUR CALENDARS!

**ACI Southern California Chapter
Presents:**

**Aggregate Plant Tour
Hosted By:**

Vulcan
Materials Company

**11401 West Tuxford Street
Sun Valley, California 91352**

Thursday 17 March 2011

Plant Tour	10:30 AM - 1:00 PM
Lunch Served (Joey's BBQ):	12:00 PM - 1:00 PM

Cost: \$30.00 (Member) / \$35.00 (Non-Member)

Make your reservations now!

More Details Enclosed

American Concrete Institute Southern California Chapter
P.O. Box 712740 ~ Santee, California 92072
Phone: (877) 562-2241 ~ Fax: (619) 258-5839 ~ Email: aciscc@cox.net
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PRESIDENT'S MESSAGE

President's Report March 2011

I would like to thank each of you that voted for me as the new president of the Southern California Chapter of the American Concrete Institute. I will strive to live up to your expectations and continue to make our chapter the guidepost for the concrete industry in Southern California to not only look up to, but to look for leadership and technical support for their concrete needs and quality.

I would also like to thank all our industry partners and company owners for allowing the time and expense for their employees to spend with the Southern California chapter. This time and expense allows their participation to work on committees and projects to benefit everyone in the Southern California construction industry.

I would also like to thank all the past committee chairman's for their service and time. During our past board of directors meeting this month, we had a very good meeting with the new committee chairs, co-chairs and committee members for the 2011 calendar year. I'm sure you will be pleased with the committee organization and we look forward to a more active, aggressive committee participation to enhance our Southern California chapter expertise and programs.

I look forward to interfacing with not only the Southern California chapter committees, but all of the membership as well. I will look towards the membership for guidance, participation and suggestions to increase our chapter's awareness to our members, as well as to all our industry construction affiliates.

I know our program chairman is planning some new and exciting programs, and I look forward to membership participation at all our upcoming meetings. Please feel free to call, fax or email any of our board members for information or to get involved. My email is Rgraine_2000@Yahoo.Com.

Most sincerely yours,

Rob Graine

ACI Southern California President 2010



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ACI Southern California Chapter 2011 Changing of the Guard / Sam Hobbs Service Award Dinner Reception

On January 27, 2011 ACI SCC held our annual Changing of the Guard / Sam Hobbs Service Award dinner reception. As a chapter, we recognized the services many members provide as committee members, board members and various chapter activities. We gave our thanks to out-going members of the Board of Directors and announced the results of our elections to fill the vacant positions.

We are pleased to announce our 2011 Chapter President: Robert Graine. Robert is only the second person in chapter history to hold the office of president for a second term; previously serving in 2005. He has been honored in the past as the recipient of our 2010 Sam Hobbs Service Award for his many years of dedication to the success and advancement of our chapter.

The highlight of the evening was the presentation of the Sam Hobbs Service Award. The award is made annually at the January meeting of “Changing of the Guard”, if, in the judgment of the Awards Committee, a qualified recipient is available. Members in good standing and not currently serving as an officer or director are eligible. The award is to recognize the individual’s service to both the chapter and the concrete industry. The recipient of the 2011 Sam Hobbs Service Award is Pasquale “Pat” Murena. Pat, a longtime member of various ACI chapters and an ACI National member, has served on numerous committees, served on the Board of Directors and served as President in 2009. His 25+ years of service and dedication to our industry and chapter defines the significance of this prestigious award. As the award was presented by our 2010 recipient Robert Graine to Pat, he was celebrated with a standing ovation from family, friends & colleagues in attendance.



Chris Forster, 2010 President (Left), passing on President's Gavel to our 2011 President, Robert Graine (Right)



Pat Murena (Left) receiving the Sam Hobbs Service Award from our 2010 award recipient, Robert Graine (Right)



Pat Murena (3rd from Left) surrounded by family members in attendance

What's Happening NOW!

Calendar of Up-Coming Events for 2011

March 17, 2011	Aggregate Plant Tour with Joey's BBQ Vulcan Materials, Sun Valley
March 2, 5, 9 & 12, 2011	Field Testing Technician Certification Old Castle Precast (Utility Vault), Fontana
March 15, 22 & 24, 2011	Concrete Strength Testing Technician Metropolitan Water District, La Verne
March 16, 19, 23 & 26, 2011	Field Testing Technician Certification National Ready Mix, Duarte
April 5, 2011	Laboratory Technician Level II Metropolitan Water District, La Verne
April 6, 8, 13 & 16, 2011	Field Testing Technician Certification Southwest Inspection & Testing, La Habra
May 4, 7, 11 & 14, 2011	Field Testing Technician Certification Twining Labs, Long Beach
June 15, 18, 22 & 25, 2011	Field Testing Technician Certification Chino Ready Mix, Chino
July 13, 16, 20 & 23, 2011	Field Testing Technician Certification Hilltop Geotechnical, San Bernardino
July 19, 26 & 28, 2011	Concrete Strength Testing Certification Metropolitan Water District, La Verne
October 4, 2011	Laboratory Technician Level II Metropolitan Water District, La Verne
November 8, 15 & 17, 2011	Concrete Strength Testing Technician Metropolitan Water District, La Verne

DON'T FORGET! ALL THIS INFORMATION & MORE IS AVAILABLE ON OUR WEBSITE!

Check out our calendar at www.acisocal.org frequently for updated Industry news!

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ACI PUBLICATIONS

For more information or to order any of the following publications call 248.848.3800.

350.1-10: Specification for Tightness Testing of Environmental Engineering Concrete Containment Structures (ACI 350.1-10) and Commentary

This Specification covers tightness testing of liquid and gaseous environmental containment structures designed to resist liquid or gaseous loads. These test methods give procedures and criteria for tightness testing of environmental engineering concrete structures. They are applicable to liquid and gas containment structures constructed with concrete or a combination of concrete and other materials. This document includes hydrostatic, surcharged hydrostatic, and pneumatic tests. Available in hard copy or PDF format. \$49.50 (ACI members \$30.00); Order Code 350110.EM.

369R-11: Guide for Seismic Rehabilitation of Existing Concrete Frame Buildings and Commentary

The guide provides recommendations for modeling parameters and acceptance criteria for linear and nonlinear analysis of beams, columns, joints, and slab-column connections of concrete buildings and the procedures for obtaining material properties necessary for seismic rehabilitation design. Available in hard copy or PDF format. \$68.50 (ACI members \$42.00); Order Code 36911.EM.

SP-15(10):Field Reference Manual: Specifications for Structural Concrete (ACI 301-10) with Selected ACI and ASTM References

An essential reference document, SP-15(10): Field Reference Manual contains ACI 301-10 Specifications for Structural Concrete in its entirety, along with 16 related ACI committee documents, including Chapter 3 through 7 of ACI 318-08 Building Code Requirements for Structural Concrete and six ASTM standards including C94 Standard Specification for Ready-Mixed Concrete. Also included in SP-15(10) are: ACI 117-10 Specification for Tolerances for Concrete Construction and Materials and Commentary; ACI 302.1R-04 Guide for Concrete Floor and Slab Construction; ACI 305R-10 Hot Weather Concreting; ACI 306R-10 Cold Weather Concreting; ACI 308R-01 Guide to Curing Concrete; ACI 347-04 Guide to Formwork for Concrete, and nine other ACI documents. \$222.50 (ACI members \$134.00); Order Code SP1510.EM.

MEMBER UPDATES

**ACI SOUTHERN CALIFORNIA CHAPTER
NEW & RENEWED MEMBERS FOR
January & February 2011**

Harrington	Don	Harrington Geotechnical
Bernard	Ernie	Arizona Pipeline
Orozco	Jacinto	Engineering Services
Sarmenta	Rodelio	Morley Builders
Moske	Walter	Retired
Beres	Attila	CRSI
Sannipoli	Fred	Sannipoli Corporation
Demaro	James	SIKA
Bach	Jeff	Davis Colors
Crans	JD	Morley Construction Company
Kripavicius	Ed	Standard Concrete Products
Perchez	Michael	Solomon Colors
Perrine	Keith	TXI
Sears	Ken	Calaveras Standard Materials, Inc.
Lynch	Neal	Cemex
Luce	Kevin	John R Byerly Inc
Romero	Dave	Albert Webb Associates
Resweber	David	Holliday Rock
Taylor	Kenneth	Standard Concrete Products
Throop, III	George	George L. Throop Company
Valenzuela	Louis	Concrete Specialist
Beeson	Bill	Beeson Masonry & Concrete
Lysek	Noah	Nova Engineering
Ferguson	Charles	Twining Labs
Fullam	John	Port of Los Angeles

**ACI SOUTHERN CALIFORNIA CHAPTER WOULD LIKE TO
THANK YOU FOR YOUR SUPPORT!**

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Concrete Q&A

Water Added On Site

Q. *We are placing a slab and want to maintain the slump within a fairly narrow range so that the finishing characteristics of the concrete will be relatively uniform. If we use a high-range water-reducing admixture (HRWRA), are we prohibited from adding water at the site?*

A. Concrete is often batched with less than the maximum allowable water content to avoid exceeding the maximum slump. In general, when the concrete arrives on site with a lower slump than specified, it's acceptable to add water, provided that the specifications don't prohibit it, the specified maximum water-cementitious materials ratio (w/cm) isn't exceeded, and the truck can accurately measure the water added.

ACI 304R-00, "Guide for Measuring, Mixing, Transporting, and Placing Concrete,"¹ states:

"If all the water allowed by the specification or approved mixture proportions has not been added at the start of mixing, it may be permissible, depending upon project specifications, to add the remaining allowable water at the point of delivery. Once part of a batch has been unloaded, however, it becomes impractical to determine what w/cm is produced by additional water. The production of concrete of excessive slump or adding water in excess of the proportioned w/cm to compensate for slump loss resulting from delays in delivery or placement should be prohibited. Persistent requests for the addition of water should be investigated."

ASTM C94-10² allows for job-site addition to a full load, and it provides for a preliminary sampling process to measure slump and air content so that a full load can be adjusted:

"A one-time addition of water is not prohibited from being several distinct additions of water provided that no concrete has been discharged except for slump or slump flow testing. All water additions shall be completed within 15 min from the start of the first water addition. Such additional water shall be injected into the mixer under such pressure and direction of flow to allow for proper distribution within the mixer. The drum shall be turned an additional 30 revolutions, or more if necessary, at mixing speed to ensure that a homogenous mixture is attained. Water shall not be added to the batch at any later time."

It should be noted that Section 4.3.2.1 of "Specifications for Structural Concrete (ACI 301-10)"³ prohibits the

addition of water to "concrete delivered in equipment not acceptable for mixing." It also states: "After plasticizing admixtures or HRWRAs are added to the concrete at the site to achieve flowable concrete, do not add water to the concrete." In this case, the concern is that if water is added to relatively fluid concrete, the extra water might cause segregation. But if the admixture was added at the plant and the conditions cause concrete to lose its slump prior to discharge at the job site, water addition should be fine with the other conditions stated previously. An admixture representative should be consulted as this might vary for different products.

Also note that in many cases the addition of water to air-entrained concrete will cause an increase in the air content. This is due to the nature of the air-entrainment



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Concrete Q&A

process: increased fluidity of the paste will allow more folding in the concrete, resulting in more bubbles. In concrete that already contains HRWRA, the air content may become quite elevated. It's important to check the air after adjusting the slump.

To summarize, you can add water at the site if the mixing water for the mixture has not been exceeded. You should be able to do this if the HRWRA was added at the plant. Adding HRWRA at the job site is trickier, as it has to be added accurately and mixed properly; and slump may not be very controllable. If you add HRWRA at the job site, avoid adding water after that. To be safe, you should raise the issue with the engineer, producer, and admixture supplier at the preconstruction meeting.

References

1. ACI Committee 304, "Guide for Measuring, Mixing, Transporting, and Placing Concrete (ACI 304R-00)," American Concrete Institute, Farmington Hills, MI, 2000 (reapproved 2009), 49 pp.

2. ASTM C94/C94M-10, "Standard Specification for Ready-Mixed Concrete," ASTM International, West Conshohocken, PA, 12 pp.

3. ACI Committee 301, "Specifications for Structural Concrete (ACI 301-10)," American Concrete Institute, Farmington Hills, MI, 2010, 77 pp.

Thanks to Ward Malisch, American Society of Concrete Contractors, and Kevin MacDonald, Cemstone Concrete Products Co., for helping with this question.

Questions in this column were asked by users of ACI documents and have been answered by ACI staff or by a member or members of ACI technical committees. The answers do not represent the official position of an ACI committee. Only a published committee document represents the formal consensus of the committee and the Institute.

We invite comment on any of the questions and answers published in this column. Write to the Editor, *Concrete International*, 38800 Country Club Drive, Farmington Hills, MI 48331; contact us by fax at (248) 848-3701; or e-mail Rex.Donahey@concrete.org.



New ACI Resources for Contractors and Craftsmen

Contractor's Guide to Quality Concrete Construction, now available in text and audiobook versions. Spanish text version coming soon!



Order Code: ASCC105.SBR (Text format)
ASCC105CD.SBR (CD format)
ASCC105MP3.SBR (MP3 format)
Price: \$68.50 (ACI members \$38.00)
Format: Text, 6-CD set, or MP3 (Both audio formats include a 75-page printed book of photos, figures, tables, and checklists)

Spanish text version coming soon!

The best-selling "Contractor's Guide to Quality Concrete Construction" is now available in CD and MP3 audio formats. Educate yourself or your employees on quality concrete construction techniques and practices while waiting in a vehicle, traveling to and from work, or running between projects.

Concrete Craftsman Series 1—Slabs-on-Ground

Order Code: CCS110.SBR
Price: \$35.00 (ACI members \$21.00)

This primary reference for the ACI Concrete Flatwork Finisher and Technician Certification programs was completely revised and rewritten in 2010. The third edition includes more of the up-to-date information that concrete craftsmen need to know to produce quality flatwork.

Spanish text version coming soon!



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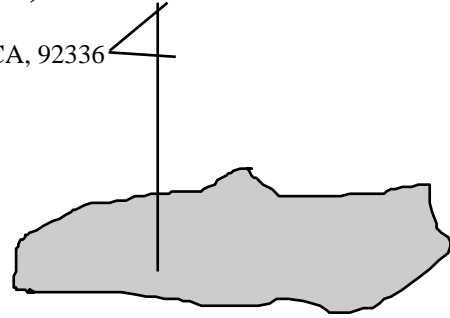
**SOUTHERN CALIFORNIA CHAPTER
AMERICAN CONCRETE INSTITUTE**

**HOWARD LUX MEMORIAL SCHOLARSHIP FUND
GOLF TOURNAMENT
THURSDAY, MAY 12, 2011**

LOCATION: SIERRA LAKES GOLF CLUB – 16600 Clubhouse Drive, Fontana, CA, 92336

TIME: Registration 9:00 AM
Shotgun Start 12:00 PM

FEES PER PLAYER: \$125.00 per person (includes golf w/cart, three drink tickets & dinner)
Sponsorship Cost see attached
PLEASE NOTE SELL OUT AT 100 GOLFERS



SPONSORS: (Reverse side of flyer) The Southern California Chapter, American Concrete Institute invite you to be a sponsor of our Annual Golf Tournament. You can be a sponsor, as well as play in the tournament. Your company will have sign recognition on the golf course the day of the tournament, **so be sure to send your business card with your sponsorship donation.**

PAYMENT: Check or Credit Card

FORMAT: Four Man Scramble
Hand Wedge is a free toss of the ball.

PRIZE: RAFFLE PRIZES

ATTIRE POLICY: Men must wear collared shirts. Golf shorts must be at least med-thigh in length. Please no cut-offs, blue jeans, sweat pants, gym shorts, tee-shirts or tank tops. Sierra Lakes Golf Club Course is a Non-Metal Spike facility.

For more details call 1-877-562-2241

PAYMENT MUST BE RECEIVED TO CONFIRM RESERVATION!!!!!!!!!!

Please return this portion with PAYMENT AND BUSINESS CARD by **MONDAY, APRIL 29, 2011** to:
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ACI'S ANNUAL GOLF TOURNAMENT – THURSDAY MAY 12, 2011 – SIERRA LAKES GOLF CLUB

Name(s) _____

Company _____ Phone _____
Email Address (Required) _____

Number of Players _____	\$ _____
Sponsorship _____	\$ _____
Mulligan (1 for \$5; 5 for \$20 – limit 5 per team) _____	\$ _____
Hand Wedge (1 for \$5; 5 for \$20 – limit 5 per team) _____	\$ _____
Raffle Ticket (1 for \$5; 5 for \$20) _____	\$ _____
<u>TYPE OF SPONSERSHIP</u> (See Second Page) _____	\$ _____
	TOTAL \$ _____

I would like to contribute a prize or gift _____
Number for Dinner Reservations _____

METHOD OF PAYMENT: ___ Check enclosed (payable to ACI, Southern California) **OR** ___ Visa ___ MasterCard ___ American Express

Acct. # _____ Exp. Date _____

Signature _____

**ACI ANNUAL GOLF TOURNAMENT
THURSDAY, MAY 12, 2011 – SIERRA LAKES GOLF CLUB**



Available Sponsorship

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Beverage Cart Sponsors	4 available	100.00
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Hole Sponsor (T-box sponsor available)	17 available	100.00
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Putting Contest Sponsor	2 available	100.00
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Raffle Sponsor	5 available	100.00

Sponsorships (with business card) must be received by MAY 1, 2011

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