



# Concrete Conveyor

Southern California Chapter  
American Concrete Institute  
*January 2008*

5360 WORKMAN MILL ROAD, WHITTIER CA 90601  
Phone: (562)692-4252 Fax: (562) 692-3425

*U.S. Green Building Council*

## DINNER MEETING

**Thursday, Jan. 17, 2007**

Pomona Valley Mining Co. Restaurant  
1777 Gillette Rd., Pomona, CA 91768

5:30 p.m. - Social Hour (No Host Bar)

6:30 p.m. - Dinner

7:30 p.m. - Program and

Director & Officer Installation

*A speaker from the U.S. Green Building Council (USGBC) will present:*

“An Overview of the USGBC  
and  
How ACI Members Can Benefit  
From Exposure to It”



# President's Message

I can't believe that it has been a year already. I would like to take this opportunity to thank several individuals who have made this past year a very enriching experience: our Past President Rod Elderton, our hardworking Board of Directors, our chapter Secretary/Treasurer Don Gilbert, and your upcoming President Drew DeCarlo. All of the support and assistance these individuals gave me this past year helped create some very memorable experiences; my favorite being our Contractor Expo/BBQ event. Serving as your President has been a great experience and am proud to have had the opportunity.

I am confident that the momentum that we have created over this past year in promoting new ideas and attracting new members will continue when Drew takes his position as your President. Many of the ideas which were generated this past year came from Drew in the first place, which is why I am confident that we can all look forward to a very exciting 2008. And I can't imagine how it could get any more exciting as our chapter hosts the ACI Spring Convention in Los Angeles, March 30 through April 3. We certainly have a busy year ahead, and I am glad that I was able to be a part of building the foundation.

It has truly been an honor to serve as your President the past 12 months, and I am looking forward to continuing to being a contributing member to our chapter activities as your Past President, Co-Chair of the Technical Committee, as well as my on-going contributions to the Grade I Certification program. Thank you.



ksears@lehighcement.com

# CALENDAR



## JANUARY

- 2, 5, 9  
& 12      Field Test Technician Certification Class  
Earth Systems, Palmdale
- 16, 19, 23  
& 26      Field Test Technician Certification Class  
Hilltop Geotechnical, San Bernardino
- 17      Board of Directors Meeting and Chapter Dinner  
Pomona Valley Mining Co. Restaurant, Pomona

## FEBRUARY

- 5, 9, 12  
& 16      Field Testing Technician Certification Class  
Chino Ready Mix, Chino
- 21      March Newsletter Issue Deadline
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## Save the Date

Wednesday, May 7, 2008  
Joint Meeting with SEAOSC

Topic:

Techniques and Design Considerations for Strengthening  
of Existing Concrete Structures

*By Jay Thomas and Tarek Alkhrdaji, PhD, PE*  
Structural Preservation Systems - Strengthening Division

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## New ACISCC Members



**Walker, Bethany J.;** Concrete Reinforcing  
Steel Institute, Modesto; [bwalker@crsi.org](mailto:bwalker@crsi.org)

# ACI Southern California Chapter 2007 Concrete Awards

November 15, 2007

## **Charles J. Pankow, Jr. Award**

*Project:* The Renee & Henry Segerstrom Concert Hall

*General Contractor:* Fluor Corporation

*Concrete Contractor:* Largo Concrete, Inc.

*Owner:* Orange County Performing Arts Center

*Structural Engineer:* John A. Martin & Associates, Inc.

*Architect:* Gruen Associates

*Architect:* Pelli Clarke Pelli

*Concrete Supplier:* National Ready Mixed Concrete

*Project Submitter:* John A. Martin, Jr.

## **Outstanding Achievement & Excellence in Concrete Construction**

*Project Name:* Nokia Theatre at LA Live

*General Contractor:* Clark Construction

*Concrete Contractor:* The Conco Companies

*Owner:* Anschutz Entertainment Group

*Structural Engineer:* John A. Martin & Associates, Inc.

*Architect:* ELS Architecture and Urban Design

*Concrete Supplier:* Standard Concrete

*Submitted By:* Sam LaFata, Standard Concrete

## **Outstanding Performance in Design and Engineering**

*Project Name:* Olympic West Parking at LA Live

*General Contractor:* PCL Construction

*Concrete Contractor:* Morley Construction Company

*Owner:* Anschutz Entertainment Group

*Structural Engineer:* John A. Martin & Associates, Inc.

*Architect:* Gensler

*Concrete Supplier:* Catalina Pacific Concrete

*Submitted By:* Chris Forster, Morley Construction Company

# 2007 Concrete Awards



2007 Concrete Awards

## ACI Laboratory Testing Technician Programs Revised

ACI is excited to announce that newly-retooled ACI Laboratory Testing Technician certification programs will be launched Jan. 1, 2008. This realignment is the result of several years of work by ACI Committee C 620, Laboratory Technician Certification, to reduce content overlap between each program, reduce the number of test methods covered by each program, place the test methods into more logical groupings, and address the differences between referenced ASTM and AASHTO standards in selected programs.

For detailed descriptions of the overhauled programs, please go to [www.concrete.org](http://www.concrete.org) and direct your cursor to the Certification department. The various Certifications offered in the Laboratory Technician program are:

ACI Concrete Strength Testing Technician  
ACI Concrete Laboratory Testing Technician – Level I  
ACI Concrete Laboratory Testing Technician – Level II  
ACI Aggregate Base Testing Technician  
ACI Aggregate Testing Technician – Level I  
ACI Aggregate Testing Technician – Level II

The major modifications to be seen in your local Chapter's Certification Programs are:

1. There is NO LONGER an exam for Concrete Laboratory Testing Technician - Level I. The requirement to become a Concrete Laboratory Testing Technician - Level I is the achievement of a Concrete Strength Testing Technician Certification and an Aggregate Testing Technician – Level I Certification within a 24-month period and the Concrete Laboratory Testing Technician – Level I Certification is automatically granted by ACI.
2. A NEW Certification has been created by ACI as an ACI Aggregate Base Testing Technician.
3. Until a newly devised teaching program is devised, your Chapter will continue to offer training in the Concrete Strength Testing Technician Certification class, but WILL NOT offer training in any of the other Laboratory Testing Certification programs. However, stay tuned; this may change.

Your Chapter will continue to offer the Concrete Field Testing Technician – Grade I, Flatwork Finisher, Concrete Transportation Construction Inspector, and Concrete Construction Special Inspector Certifications. For more information on these Certifications check out your Chapter's website at [www.ACISoCal.org](http://www.ACISoCal.org) and search for the pertinent Certification Committee Chairperson.

## *Some Interesting Thoughts on...*

# COLD WEATHER CONCRETING

**A**lthough ACI defines “Cold Weather” as any period where the average daily temperature is below 40°F for more than three consecutive days, Cold Weather Concreting practices should be followed whenever you are pouring concrete in colder than normal temperature. Slower setting time and strength gain of concrete during cold weather will typically delay finishing operations and form removal. By noticing the variables that can impact the concrete set-time, you can save yourself costly overtime and potential low concrete strengths.

- For every 10°F drop in ambient temperature, the concrete set time will increase by about one hour.
- For every 20°F drop in concrete temperature the concrete set time will **DOUBLE**.
- Warm concrete placed onto a cold sub-grade will get cold very fast.
- Cement hydration is a chemical reaction that generates HEAT - the more outside variables present to remove this heat will cause the concrete to set **SLOWER**.
- Use accelerating admixtures to bring the concrete back to normal set times. Non Chloride Accelerators may be used in any concrete placement. Calcium Chloride should not be used in any concrete placement where the concrete will be in contact with reinforcing steel or any other metals.
- Place concrete at the lowest, practical slump. Adding 1 to 2 gallons of water per yard may increase the set time from ½ to 2 hours.
- Plastic shrinkage cracking is prevalent in colder weather due to the concrete remains dormant for a longer period of time. This allows the surface to dry out, however the concrete underneath remains plastic. Use evaporative retardant to keep moisture at the surface and cure with plastic sheeting to retain heat.
- Avoid unnecessary low concrete breaks. Special care should be taken with concrete test cylinders to avoid low test results. The concrete specimens should be immediately placed in an insulated cure box on the project and remain undisturbed for the first 24 to 48 hours after casting. If low concrete cylinder breaks do occur, the concrete in the structure is likely OK due to the heat generated by its large mass; however the cylinders cannot duplicate this heat unless they are protected.

*Submitted by your ACI Technical Committee*

# American Concrete Institute, Southern California Chapter 2007 Chapter Committees

**AWARDS** - John Halverson

**PROGRAM** - Drew DeCarlo

**EDUCATION** - Jeff Ferris

**PUBLICITY** - Jim Miles

**FIELD DAY** - Pat Murena

**CERTIFICATION PROGRAMS:**

**MEMBERSHIP** - Bob Shafer, Howard Garcia

*STRENGTH TESTING* - Miriam Stein

**NOMINATIONS** - Rod Elderton

*FLATWORK FINISHER* – Cliff Ohlwiler

**STUDENT ACTIVITIES** - Josh Hamilton

*FIELD TESTING* - Rod Elderton &  
Howard Lux

**TECHNICAL** - John Henkels

LAB CERTIFICATION - Miriam Stein

**2008 CONVENTION** - Kirk McDonald & Chris Forster

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## **ACI - Southern California Chapter Office**

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**President:** Ken Sears

**Vice President:** Drew DeCarlo

**Secretary-Treasurer:** Don Gilbert

**Concrete Conveyor Editor:** Don Gilbert: (562) 692-4252

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5360 Workman Mill Rd.

Whittier, CA 90601

*IF YOU HAVE ANY INDUSTRY NEWS, PLEASE LET THE CONVEYOR KNOW*