

Nov. 11,
Happy Thanksgiving!!!

Los Angeles Section

Monthly: Est. 1913

ORANGE / SAN_BERNARDINO/RIVERSIDE / SAN_LUIS_OBISPO / SANTA_BARBARA/VENTURA / DESERT /
SOUTHERN SAN_JOAQUIN / METROPOLITAN LOS ANGELES

PRESIDENT'S MESSAGE

John C. Hogan, P.E.
Los Angeles Section President



On a recent vacation, I was flipping channels on my hotel room TV, when I happened across a program about what it takes to run the White House. Maybe you saw it too. It was not about the President's job of leading our government, but rather the operation and upkeep of the White House building itself. It was fascinating to hear about this effort – from the frequent and comprehensive cleaning, to the regular maintenance, to the improvements that are constructed to the specifications of each President. As one might expect, given the stature of its occupant, no detail is overlooked. Everything is kept in perfect working order. Dust is not permitted to accumulate. When an item is not functioning or becomes worn, it is quickly fixed or replaced.

I think it is appropriate for the office of the White House to go to this effort and expense. It certainly befits the building where the leader of the free world resides and where world leaders come together for state dinners and summits, where our President conducts security sessions and signs bills into law.

However, as the TV program went on, I could not help but think “why can't we treat our Nation's infrastructure in a similar fashion?” Why would the USA, considered the most powerful nation on earth, the country that all others look up to for its democratic form of government, the freedoms it affords its citizens, and its high standards of living, jeopardize its status by allowing its once cutting-edge infrastructure systems fall into disrepair and obsolescence?

The World Economic Forum (WEF) just released its annual rankings of national infrastructure systems in its Global Competitiveness Report 2011-2012. In its report, WEF comments that “*Extensive and efficient infrastructure is critical for ensuring the effective functioning of the economy.*” Guess where the USA landed in the 2011-12 list? We slipped all the way down to #16! (Hong Kong came in #1). Our roads are on par with Malaysia. Our freight rail networks and ports are straining to meet demand. Potential for flooding threatens vital areas. And so on. As recently as 2007-8 our infrastructure was ranked 6th best in the world. It's clear that other countries are investing while we are not. This is not a good sign for our future.

The USA spends roughly 2% of its GDP on infrastructure, about half what we did 50 years ago. For comparison, European countries spend 5% on average, China spends 9%. It's no wonder that our “house” is getting worn and out-dated.

Meanwhile our economy continues to sputter. Millions of people, many of whom are skilled professionals or in trades, are unemployed or under-employed. We watch as our leaders become polarized over solutions to this dilemma, especially over the issue of financing.

Recently, Congress debated the level of funding for the reauthorization of the surface transportation program. ASCE was pleased to see movement in support of funding this element of infrastructure, but would like to see greater funding. The US has been under-funding our surface transportation program for years. The gap will only worsen over the time frame of the latest reauthorization.

continued on page 5

VOL_XLXI NO_11

In This Issue page

PRESIDENT'S MESSAGE	1
EDITORIAL	2
THIS MONTH IN SACRAMENTO.....	2
DON'T NEED TO BE THE LOW BIDDER	3~4
ANNOUNCEMENTS.....	5~11
ASCE LA SECTION ANNUAL MEETING	8~9
EMPLOYMENT OPPORTUNITIES.....	12~13
PROFESSIONAL DIRECTORY.....	14~15



The Need To Be Thankful

The end of the year is almost here. We feel the crisp cold air. Daylight Savings Time is ending (although there are not really a whole lot of long daylight hours anymore).

I settle today on getting all of the copies of our newsletter and I look into the pictures that Los Angeles Section President John Hogan, P.E. sent me. These are all in the centerfold of this issue as a collage. Just looking at these pictures, we realize that we have accomplished a lot in the past year. The awardees of the recent ASCE LA Section Annual Meeting Awards Luncheon say a lot about what we collectively can accomplish as an organization.

We take President Hogan's remarks about keeping our infrastructure in top shape and how we as a nation have cared much less about these over the years. Do we even care now and do all of these things that make our world a better world even make sense to us to take care of? President Hogan asks us to consider becoming active not only in our organization, but politically to push for and advocate for a better infrastructure. Sustainability takes a newer meaning in this sense, as we push for a brighter tomorrow in the context of higher quality of life through better infrastructure.

We also read through the various legislative updates provided by Richard Markuson. We present an interesting article by Michael C. McGovern regarding cost estimates; and how to be competitive in a low bid job, without being the low bidder. We recognize one more time our Los Angeles Section Annual Awardees for all their hard work for our organization and for our profession.

We are accepting additional write-ups from our membership for inclusion in our newsletter. We would like to make future issues better, with more information that all of us can use.

We do these things to make and build a better world. We have a lot to be thankful for this year. Share with us your future thoughts.

Enjoy this issue of your newsletter!

Happy Thanksgiving!!!

- Dr. Cris B. Liban, P.E.

Reminder:

Copy deadline for the Dec. 2011 issue is Nov. 1, 2011; copy deadline for Jan. 2012 issue is Dec. 1, 2011.

ASCE's 2011 Member-Get-A-Member Drive Depends on You!

This Month in Sacramento (ASCE)

By Richard Markuson

The Governor had until October 10, 2011 to act on the myriad bills sent to him – mostly in the waning hours on this legislative session.

What we do know is that despite some of the Governor's statements about the relative merit of the bills being sent to him – he is signing the vast majority of measures – over 90% so far.

Still Awaiting Action

AB 1210 (Garrick) that exempts Civil Engineers from the requirements imposed by the State Water Resources Control Board (SWRCB) is on the Governor's desk. Region 9 of ASCE joined the supporters of the bill to argue that the qualifications to practice engineering should be established by the Engineers Board and that the SWRCB and other regulatory bodies should not set standards and enforce additional requirements on what are fundamentals of the practice of Civil Engineering. If the Governor signs AB 1210, it would go into effect immediately.

Also awaiting the Governor is Region 9 supported **AB 275** (Solorio). The bill would allow homeowners to install, or hire a licensed contractor to install rainwater capture systems (RCS) to store rainwater that has not yet collected urban pollutants for non-potable purposes. The installation of RCSs promotes water conservation and assists in stormwater management by reducing the amount of water load that enters storm drains, thereby saving consumers the cost of treating and transporting water before it reaches the user. The author agreed to ASCE amendments to clarify the scope of the RCS and role of design professionals.

Also on his desk is Region 9 supported **SB 263** (Pavley) that requires the Department of Water Resources (DWR) to make the reports that well drillers must submit when a well is constructed, deepened, reperforated, or destroyed available, with certain restrictions, to governmental agencies for studies, college-level or higher academics for research, geologists, geophysicists, hydrologists, civil engineers, licensed well contractors or any person who obtains written authorization from the well owner. This bill makes any person who knowingly violates the restrictions on the use or sharing of a well completion report guilty of a misdemeanor violation punishable by up to \$25,000 per day, a year in county jail, or both.

Design Sequencing Bill Dead

The author of **AB 294**, which originally extended the authority of Caltrans to test design-sequencing – has dropped the bill for this year. Some opposition arose when he amended his bill with a mandate that Caltrans "perform all project development services and preparation of documents ... and construction inspection services" on any project on the state highway system. The bill allows those services to be performed by Caltrans staff or consultants under contract to Caltrans.

Vetoed Legislation

Brown vetoed **SB 834** (Wolk) that would have required that an Integrated Regional Water Management Plan (IRWMP) that is voluntarily drafted so as to meet certain minimum requirements in order to be eligible for state funding must, for a region that depends on water from the Sacramento-San Joaquin Delta (Delta), also include an identification of the way the

continued on page 7

Don't Need to be the Low Bidder

by Michael C. McGovern, P.E., FASCE

The Moote Group

(Recently I was asked to present to engineers and managers at a southern California Public Works Department on the topic of estimating and why an outside estimating firm should be considered for producing Agency project budgets as opposed to doing them in house. The following is a synopsis of the presentation.)

I have been estimating and bidding grading and site development improvements in the public and private works arena since 1978. After working as a general engineering contractor for 22 years, I moved into the CM/PM role in 2000. I am currently a principal and vice-president at The Moote Group, a local Santa Ana firm established in 1974 that offers cost estimating and construction management to developers throughout southern California as a way to bridge the gap between the contractor and owner. We have since developed into a full service land management firm whereas, besides the cost estimating division, we offer bid administration, dry utility coordination, applicant design, site management, CFD reimbursement and expert witness/litigation support. We do not provide civil engineering or design work. We offer constructability analysis, site assessments, project management and cost estimating. Of more than 4,800 projects completed since 1974, 95% have been in southern California. Recently, we provided construction management services for a number of local Agencies.

The reason I bring this up is because all these services enable me to sharpen my cost estimating skills. Starting with defining the scope of work, generating an all-inclusive bid schedule, understanding the potential "extras," looking for the "unknowns" – basically troubleshooting the plans and project needs. The goal is to provide a solid cost estimate consistent with a complete scope of work that others can rely on, make million dollar decisions on and properly budget for future expenditures.

First order; define the scope of work, detailed take-offs, look at excavation and grading – where is the cut and where is the fill, review geotechnical reports and make "adjustments" to determine import/export, what can be moved with scraper, how much with trucks, depths of improvements for underground, determine production rates, type of ground situation – sandy, hard, rocky, ground water; street/traffic controls affect production – working hours, off-site...I am looking at the job as if I'm a contractor bidding on it. I visit the site at least once to understand the constraints, traffic impacts, surrounding area/neighbors, check on available water source, look at clearing and demo, really gauge and scope the work area.

I have some caution and concerns with using pricing from historical data and cost books. It is difficult to use unit costs from other projects unless you specifically have knowledge of the actual work – largely due to constraints, sequence, type, depths, ground type, dewatering, in the street, open cut or trench, shoring, etc. At Moote we administered over 100 bids in 2006 and several more since...we understand the job and why the various costs are what they are – we have a point of reference.

Of projects that we don't administer the bid, we still obtain the bid results (Greensheets, websites, contractors) and purchase the plans from the City, County, Caltrans or bidding Agency to better understand the project so we can understand why the unit costs are what they are.

For instance, if a bid has an unclassified excavation item, it can include asphalt and/or concrete and dirt. I was retained by a local Agency as an expert witness to review and opine on a claim made for additional excavation required in a median. The street excavation bid/contract unit price of \$33.15/CY (at 100,000CY's) was based on 10,000CY's of asphalt removal at \$110/CY; 10,000CY's of concrete pavement removal at \$150/CY and 80,000CY's of street excavation at \$8.95/CY. The city contracted CM requested the contractor to remove an additional 10,000CY's of "soft" dirt out of the median and agreed to pay the contract price, as suggested by the contractor, of \$33.15/CY. Had the CM understood the make-up of the unit price, he would have negotiated a cost closer to \$8.95/CY or \$89,500 as opposed to the \$331,500 the contractor received. Point is, it is difficult to use a number from a publication without understanding the work, viewing the plans or knowing the conditions. The same project had a "planter curb," 150LF at \$15/LF – it was 18" high, textured concrete and pink in color – the CM measured over 4,000LF of mow curb (3" x 5" landscape mow curb, which typically goes for \$3.50/LF) and paid it as planter curb – a \$50,000 "hit" when it should have been included in the lump sum landscape median price. (This is where our constructability review, specification review and analysis; and working with the bid administrator comes in handy).

Anything being hauled to the dump or to a recycler needs confirmation of the current pricing and conditions. For example, Puente Hills landfill takes clean dirt for free but only 5 hours per day – truckers want at least 6 if not 8 hours – recyclers charge upwards of \$250 per load to dump asphalt/concrete because their yards are near capacity and they are not unloading CMB fast enough. It used to be \$40 per load...and of course, oil and fuel – impact on equipment rental, trucking of commodities – a good reason to raise your prices.

Another example of picking a unit price from a publication would be an 18" RCP crossing a 6-lane roadway, in phases, slurry backfill, plates, night work, traffic control, asphalt patch-back – this could be \$500/LF as opposed to the \$65/LF to \$85/LF we're used to seeing. All these examples show impacts to a unit price and the sort of things I look for.

Caltrans has a website with average unit costs and bid details; however, without fully understanding the scope of work, let alone not viewing the project plans, it would make it difficult to use/assume such unit costs in preparing an estimate/budget. There is a wide range of numbers – you need to know when to use such price.

My style: I use six unique methods to determine pricing and then discuss with the Estimating Team and agree to a number – 1) crew it up by man-hour, equipment time and material costs as if I'm bidding the job to do it – develop a job procedure, perform tedious takeoffs, 3-D grading models for quantities, put crews together, run the hauls for grading, verify equipment rates, verify material prices, develop production rates for pipe install, asphalt paving, signals, landscape, etc.; 2) contact with contractor "friends" and material suppliers – get numbers on "similar jobs;" 3) past history of similar projects bid-administrated by Moote whereas we developed the spec, quantities and fully understand the plans and scope of work – numerous notebooks of bid results for almost any type of work and a database on the server; 4) obtain pricing on specialty items (bridge work or Contech Arch Spans) to verify our numbers; 5) we have our own dry utility division who quantifies each project into numerous line items and has a cost schedule based on current industry pricing on projects our guys have bid out and are coordinating the work and 6) "feeling" in the market place – who needs work, who will throw in their equipment at operator wages + fuel + \$10 an hour for "ownership." I belong to several associations, SCCA (grading contractors), ECA (underground contractors), ASPE (estimators and CM's) and CMAA and "hear" what's going on.

continued on page 4

Don't Need to be the Low Bidder

continued from page 3

The Moote estimating team is made up of several past-contractors whereas one member owned and operated his own underground company (sewer and water), another had his own street improvement firm and I was a principal at two local firms specializing in site development and street improvements where 50% was public works and 50% was private. Another member has estimated and managed numerous landscape projects for Moote and performs a line by line takeoff for landscape and irrigation, calls suppliers for material quotes and develops the unit pricing. We all worked together, more or less, for the past 20 years. Also, our dry utility division supplements the team with pricing on dry utilities (SCE, Phone, Gas and CATV). We look at these projects through the eyes of a contractor and establish our estimates accordingly.

As another "check" on pricing: I mentioned material costs – I track the cost of materials based on specific locations, quantities involved, trucking and fuel cost – example, "asphalt paving" unit costs are typically 90% material and 10% labor & equipment; thus, if asphalt FOB jobsite is \$63/TN, then FDL (furnish, deliver and lay) is close to \$70/TN. As material prices fluctuate the effect on the overall price only pertains to that certain percentage of the unit price that is material. The following chart will illustrate such:

**Increase in Pricing on Select Trades
From July 15, 2004 to August 1, 2005**

Category	% of Unit Cost		Increase Year to Year*		Overall Increase
	L&E	Matl	Labor	Material	
Grading	95%	5%	4.77%	9.00%	4.98%
Storm Drain	43%	57%	4.06%	17.64%	11.80%
Water	50%	50%	4.24%	9.32%	6.78%
Sewer	62%	38%	4.24%	22.00%	10.99%
Dry Utilities	32%	68%	4.20%	9.37%	7.72%
Asphalt Paving	10%	90%	4.06%	2.69%	2.83%
Concrete	35%	65%	4.45%	45.45%	31.10%
Landscape	40%	60%	3.35%	5.00%	4.34%
Signals/St. Lights	20%	80%	3.35%	10.00%	8.67%
Wood Fence	40%	60%	4.81%	0.00%	1.92%
Block Wall	40%	60%	3.90%	19.31%	13.15%
*Based on Union increases on Labor at July 1, 2005 and material quotes at same times.					

In reference to a recent project I estimated and compared to the County's estimate, numerous items were rolled up into a single item – again, defining the scope and quantifying for such. For instance, the "miscellaneous concrete" item I used for the project is made up of 29 separate line items based on each type of facility. The cost for such is based on sequence and numbers as compared to one line item and one average unit price. The "shotcrete" item is rolled up from 18 separate locations, sizes, widths and lengths and cost out individually as compared to one line item. The "unclassified excavation" item is rolled up from 13 separate items – these include scraper hauls, trucking hauls, and finish costs – there is no separate line item for these various "rough" finish costs but the work needs to be done in order to facilitate the sequence, i.e.) fine grade for curb, fine grade for walk, a surface on the street to start utilities from as opposed to one line item. The "18" RCP" is rolled up from 13 individual storm drain lines including street work required; the "asphalt pavement" line item is rolled up from 10 items that includes slot paving, subgrade prep, small areas, large areas, different paving sections; and the "domestic water" is broken out by 53 line items representing the number of valves, hydrants, blow-offs, sizes and lengths, tees, sleeves, asphalt R&R as compared

to one line item – and again, the reason for such is due to the complexity and capturing all the work – is the line in the street at 3' minimum cover?, running down the slope with anchors?, special restraints?, connections?, etc.

Again, define the scope of work, break it out so you can adequately estimate it, don't throw numbers at it and do it right!

I gauge the market place to know that fewer projects are bidding at this time, contractors are getting desperate and current estimates are coming in substantially lower than expected for reasons beyond our control – missed something, cash-flow reasons, cover overhead only, put equipment to work, don't want to lose people, who knows...and of course this gets offset by the price of oil, world wide demand on cement, etc. These things are out of our control – but in general I am typically in the top three when the project bids and once in a while the "low bidder," but only by a few percent.

In essence, I don't need to be the low bidder nor am I achieving to be. I still "got the job" which was to determine an appropriate budget or "reasonable cost" or "estimate of probable cost" that is within 10% of the future contract amount so owners, developers, builders and public agencies can make an informed decision.

Congratulations!

**John Hollenbeck and the Nacimienta
Water Team for an outstanding project.**



BLACK & VEATCH
Building a world of difference.®

ASCE Region 9 Governor Positions are Open

by Fareed Pittalwala, Governor, ASCE Region 9,
Nominating Committee Chair

Attention all ASCE members . . . ASCE Region 9 has two open positions for the 3 year Governor term (2012 to 2015). The two open positions are:

San Diego Section Governor (Elected Position)

At-Large Governor (Appointed Position)

ASCE Region 9 is looking for experienced ASCE leaders who have been engaged with their local ASCE entities and have a passion for improving and enhancing the civil engineering profession within the state of California. A letter of intent to pursue office is due to Fareed Pittalwala at fpittalwala@rbf.com by **December 1st**. Additionally information regarding the timeline and nomination process can be found on ASCE Region 9's website, or by contacting Fareed Pittalwala via email.

A Great Idea From the Life Members

The ASCE Life Members' Public Image Committee request that members take their (to be discarded) Civil Engineering magazines to their doctor's office or barber shop and merge them with the stack of magazines. We feel that this will be an effective way to make the general public more aware of what civil engineers do.

National ASCE (800) 548-2723 (ASCE)

Access National ASCE at: www.asce.org

L.A. Section web site at:
www.ascelasection.org

RMHwin

Rational Method Hydrology software in Windows

for Orange, Riverside &
San Bernardino counties

By Jack P. Norris, P.E.
Past chair, Hydrology & Hydraulics Technical Group, L.A. Sect.

For complete information please visit
JPNRCE.com

PRESIDENT'S MESSAGE

continued

This theme seems to be repeated on other infrastructure fronts – whether it be flood control, dams, water supply or energy. While most will agree that the work is needed, the common cry is that we cannot afford to do more. We can't go further into debt.

Here is my personal view on the matter: I consider myself a fiscal conservative and I am all for reducing the national debt. But, the deficit reduction effort needs to be done (and will get done), when we are economically healthy. Right now we are in an economic crisis, manifested by scarcity of demand and income. We are also in the midst of a looming crisis of deteriorating infrastructure. I believe the solution, as espoused by economist John Maynard Keynes, is for the federal government, the only player with resources in times like this, to stimulate demand with public spending, preferably on projects that address our infrastructure needs, even if such spending is deficit-financed.

Effective spending on building and renewing our infrastructure is an investment that will pay off in the short term by stimulating the economy and by providing income to everyday people. It will pay off in the long term by establishing a solid foundation upon which our economic engine can grow and thrive. It's not-so-ironic that much of the infrastructure that we need to improve or supplement was built after the Great Depression, the last time America really got serious about spending federal dollars to spur the economy while investing in our nation's future.

Civil Engineers are the designers, builders, and stewards of our nation's infrastructure. It is our responsibility, indeed our obligation, to speak up, to sound the alarm, to advocate, and to counsel our elected leaders on these matters. ASCE provides an effective means to this end. Our 140,000-member organization is a loud voice for the cause. We become even more effective when our members also speak out as individuals. ASCE makes this easy for us to do. All one has to do is go to www.ASCE.org and sign up to be a Key Contact. Every so often, Key Contacts receive an email "Key Alert" that advises when specific grassroots action is needed to support civil engineering issues at the federal or state level.

If you are not already a Key Contact, sign up now. Once you have become a Key Contact, take an active part. The few minutes a month that you'll spend will be one of the greatest investments of time you will ever make. Together, we can help our nation deal with the twin crises and return to economic prominence while building a better world.

As always, I welcome your thoughts and input.

Too valuable to waste

Recycled tires:
For your paving & civil
engineering projects



Grants • Technical Assistance
www.PavingGreenRoads.com

CalRecycle 



Annual Meeting Sponsors

On October 8, 2011, the Los Angeles Section held its Annual Meeting at the Disneyland Hotel. The highlight of the meeting was the presentation of the 2011 Section Awards. The success of this event is attributable to the support the Section received from its sponsors. The Section is very grateful to the following organizations for their sponsorships:

GOLD

HBLA CPA's
HDR

SILVER

Black & Veatch
Dealy Renton
Geosyntec Consultants
Hall & Foreman, Inc.
Langan
NMG
Parsons
Weil & Drage

BRONZE

Contech
C2 Reprographics
Iron Mountain
Leighton
RBF Consultants
SA Associates
USCAD



Los Angeles Section Annual Awards 2011

Each year the ASCE-Los Angeles Section presents awards at the Section Annual Meeting. These awards are selected from nominations made by the Branches. The 2011 Awards were presented on October 8, 2011, during the Annual Meeting Luncheon at the Disneyland Hotel. Congratulations to the following 2011 Award Winners:

Outstanding Government Civil Engineering Project:

Interstate 5 Gateway (Orange County)

Honorable Mention: Valley Boulevard Grade Separation, and I-10 Widening through Redlands

Outstanding Private Sector Civil Engineering Project:

Nacimiento Water Project

Honorable Mention: Woodbury Community Irvine, and Bakersfield's Wastewater Treatment Plant 3 Expansion

Outstanding Sustainability Project: Malibu Legacy Park

Honorable Mention: Upper Newport Bay Restoration

Outstanding Architectural Engineering Project:

East Valley Multi-Purpose Center

Outstanding Civil Engineer in Community Service:

Jeff Spannbaauer

Honorable Mention: Jane Tran

Outstanding Civil Engineer in Government:

John R. Hollenbeck

Honorable Mention: Dr. Youn Sim, and Gregory P. Heiertz

Outstanding Civil Engineer in Private Sector:

Shahnawaz Ahmad

Honorable Mention: John C. Hogan

Outstanding Younger Civil Engineer:

Chen-Min (George) Huang

Honorable Mention: Josue J. Vaglienty

Outstanding Civil Engineer in Legislative Activities:

Serge Haddad

Lifetime Achievement in Civil Engineering: L. Dale Mills

Honorable Mention: Terry J. Hartman

Excellence in Journalism: Patt Morrison

Outstanding Faculty Advisor: Dr. Rupa Purasinghe

Outstanding Practitioner Advisor: Diego Cadena

President's Award: Janice Horcasitas

This Month in Sacramento

continued from page 2

IRWMP will further the statewide policy of reducing reliance on the Delta through investments in regional self-reliance. In a succinct veto message Brown said "I am returning Senate Bill 834 without my signature because I do not believe it adds anything to current law."

Brown also vetoed **AB 750** (Hueso) that would have established a 13-member Investment Trust Blue Ribbon Task Force for the purpose of considering and issuing its recommendation of the viability of establishing the California Investment Trust (Trust) by December 2012. Brown observed "I am returning Assembly Bill 750 without my signature. This bill would mandate yet another 'blue ribbon' task force: in this case to examine whether California should establish a state bank. This is a matter well within the jurisdiction and competence of the Assembly and Senate Banking Committees. Rather than creating a new entity, let's use the resources we have."

ASCE Key Contacts

The California Legislature introduces more than 2,500 bills every year – many of them can directly or indirectly affect your practice of engineering. If you want to be more involved in representing your profession and ASCE – take the first step and become a key contact. ASCE's Key Contact program will notify you of important legislation – both here in California and in Washington DC and give you an easy way to make your position known to your elected officials. Join today!

For more information on ASCE's legislative program contact Richard Markuson. For information on transportation measures – contact Kenneth Rosenfield and for water bills – Mark Norton.

RBF
CONSULTING

PE Review Course

January 7 – April 7, 2012
(13 Saturdays, no class on Feb. 25th)
Centrally located in Irvine

RBF Consulting presents our comprehensive Professional Engineering License Review Course to prepare applicants for the 2012 Civil Engineering License Exam. The course fee of \$1800 includes textbooks, practical exercises and 100 hours of instruction, including Seismic and Surveying, all taught by experienced professionals. Participants can earn 10 CEUs by completing the course. Only need Seismic or Surveying? Those can be registered for separately.

Visit our website www.rbf.com/Outreach/PE_Review.asp or contact Lori Schnaider at lschnaider@rbf.com or (949) 330-4138 for more information or to register for the course.



ASCE LA Section Annual Meeting and



Awards Luncheon - October 8, 2011.



DISASTER TRAINING

Classes are being organized for volunteers to help in the event of a major disaster under the auspicious of the State of California Emergency Management Agency (Cal EMA). Classes will be held in ASCE Branch areas when there are sufficient requests. Qualified individuals are California Registered Civil, Structural, Geotechnical, Certified engineering Geologists, or Architects. If you are interested in attending a class, or are interested in arranging a class, please contact the ASCE Disaster Preparedness Committee Chairman.

There is no charge for the class.

The class lasts 4 or 5 hours

The Class can commence as early as 8 AM or after work.

Monday through Friday or on Saturday

Classes will be given for VOLUNTEERS from professional organizations to assess damage, and COORDINATORS from City or County to direct Volunteers for their area. Coordinators may act as Volunteers outside of their area of expertise.

To register for the class submit your name along with your telephone number and e-mail address. You will be contacted when 10 or more request a class. The maximum number in the class should not exceed 20.

If your Branch, or Firm would like to offer the use of its facilities for a class, please register and provide the name of contact person, phone, and E-mail. You will be contacted to make arrangements.

Thank you for your support.

Jack W. Rolston, Chair

818-903-5225 cell • 818-345-9199 ph • 818-345-5283 fx • ascedisaster@earthlink.net

*Congratulations to the 2011-2012 ASCE LA Section Officers & Directors
and*

**President John Hogan, P.E., LEED AP,
CEO/Principal of Hall & Foreman, Inc.**

*Hall & Foreman, Inc. wishes you a successful and
professionally rewarding term of office.*



Hall & Foreman, a proud supporter of ASCE, is celebrating its
50th year of building southern California. With offices in



Tustin, Santa Clarita, Temecula and Victorville,
we specialize in civil engineering, water quality
management services, land planning and development,
surveying and mapping, and entitlement coordination
for the residential, commercial, infill/mixed use,
education, water resources, and public works sectors.



800.544.2114
www.hfinc.com



AMERICAN SOCIETY OF CIVIL ENGINEERS
International Committee, Los Angeles Section

7th International Engineering and Construction Conference (IECC'7)
February 13-15, 2012

Website: www.a-tech.hk/IECC7/index.html

HOST

Centre of Excellence in Engineered Fibre Composites
University of South Queensland, Australia

SPONSORS

ASCE Los Angeles Section - International Committee
University of California, Irvine
ASCE UCI Student Chapter

CONFERENCE THEME
“Green Infrastructure System”

VENUE
Brisbane, Australia

The ASCE Los Angeles Section International Committee is organizing its 7th International Engineering and Construction Conference (IECC'7), jointly with the Centre of Excellence in Engineered Fibre Composites (CEEFC), University of Southern Queensland (USQ), Australia. The conference will be held during February 13-15, 2012, in Brisbane, Australia.

Conference Objectives

The 7th International Engineering and Construction Conference (IECC'7) is a multidisciplinary forum with several symposia covering a wide range of engineering areas with emphasis on engineering design and construction. The goal of this conference is to enhance the lines of communication between researchers and technical professionals to exchange innovative research and technological advancements. The conference theme focuses on “Green Infrastructure System”. This theme incorporates innovative building systems in which affordable green construction, materials and system are pronounced. The conference will cover most of the subjects associated with the above mentioned vision. The objective of the conference is to focus on various topics related to green infrastructure development which incorporates innovative building systems, materials and design. The previous objectives cannot be separated from the wider objectives of eco-villages, city planning, green materials and green construction management on the community level. This would also require successful sustainability and energy efficiency code development. The conference will also deal with carbon finance in construction, renewable energy in construction, environmentally compatible engineering in design and construction, assessment and monitoring of long-term performance, recyclable construction materials and systems, and other state-of-the art papers related to built environment and energy conservation are also encouraged.

KPFF CONSULTING ENGINEERS

KPFF Consulting Engineers seeks motivated and energetic structural engineers. 2+ yrs of structural design experience with steel, concrete, masonry and timber desired. B.S., M.S. degree; a P.E. license a plus. Excellent communication and teamwork skills are essential. Substantial growth opportunity for all levels, and the opportunity to work on a wide variety of interesting and challenging projects. Please contact, fax or email resume to the following:

For Los Angeles:

Ms. Krystle Tabangcura
KPFF Consulting Engineers
 6080 Center Drive, Ste 300 • Los Angeles, CA 90045
 Ph: 310- 665-1536 • Fx: 310-665-9070
 Email: ktabangcura@kpff-la.com

For Pasadena:

Ms. Tamara Kealty
KPFF Consulting Engineers
 301 N. Lake Avenue, Ste 550 • Pasadena, CA 91101
 Ph: 626-578-1121 • Fx: 626-578-9121
 Email: tkealty@kpff-pas.com

www.kpff.com



Is Your Accounting Firm Proactive?



- Tax planning & preparation • Audit services
- Financial statement review and analysis
- Bookkeeping and accounting
- Cash flow management

(949) 833-2817

Serving the engineering industry since 1985

Download our industry update:

www.hbla.com/news/pressrelease.aspx



HYDROLOGY/HYDRAULICS SOFTWARE

- Automatic English-to-Metric Conversion
- Used by Cal Trans, Government Agencies

WSPGW for Windows

Water Surface Pressure Gradient,
 FEMA Approved

Rational/Modified Rational Hydrology Methods

For Los Angeles, Riverside, San
 Bernardino, San Diego, Orange &
 Kern Counties

Unit Hydrograph Hydrology Method, Flood Hydrograph Routing, Basin Analysis

Multi-Day Storm Event Analysis

Steady-State Hydraulics, Street Inlets, Pumps, Etc.

CIVILDESIGN®
 Software for Engineers, By Engineers



FROM THE MAKERS OF
CIVILCADD®

* FEMA Approval for WSPGW Only.

Tel 909.885.3806 Fax 909.381.1721 www.civildesign.com

ATTENTION!

AN ADDRESS CHANGE IS MORE
 IMPORTANT THAN YOU THINK!

**You've got the control
 at your fingertips!**

- Mailing Address
- Phone Number
- E-Mail Address

WWW.ASCE.ORG/MYPROFILE
 (800) 548-ASCE (2723)
 (703) 295-6300



Civil/Environmental Engineering

Urban Revitalization

Planning and Environmental

Surface Water

Water Resources

Structural Engineering

Transportation

Construction Management

Survey/Mapping/GIS

www.rbf.com
www.mbakercorp.com
800.479.3808

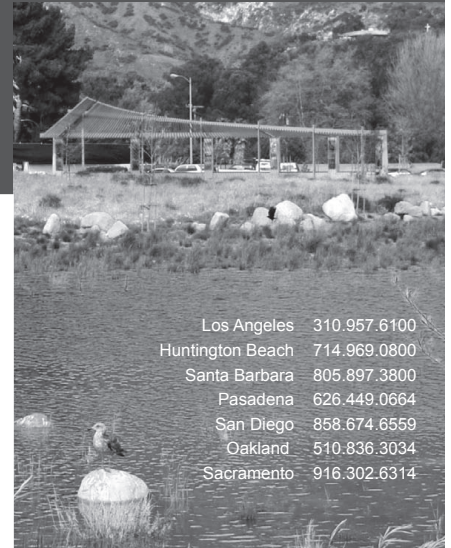


Geosyntec consultants

*Providing value driven solutions
to the most challenging
environmental problems*

www.geosyntec.com

engineers | scientists | innovators



Los Angeles 310.957.6100
Huntington Beach 714.969.0800
Santa Barbara 805.897.3800
Pasadena 626.449.0664
San Diego 858.674.6559
Oakland 510.836.3034
Sacramento 916.302.6314

Ken Susilo, Principal ksusilo@geosyntec.com

Semi-Retired Civil Engineer

Semi-Retired Civil Engineer available for short term/long term commitments. **California P.E. with 40+ years of varied experiences and responsibilities, including claims consulting and expert witness testimony. C.V. and references will be available upon your request.**

**E-mail: evnel@aol.com
Cell phone: 323-356-7814**

**Think Protection.
Think of us.**



Dealey, Renton & Associates
Insurance Brokers

Pasadena 626.844.3070

Santa Ana 714.427.6810

Oakland 510.465.3090

www.dealeyrenton.com

An ESOP Company License #0020739

AECOM

AECOM...Enhancing the world's built, natural and social environments.

www.aecom.com

DUDEK ENGINEERING + ENVIRONMENTAL

Creatively solving water and wastewater resources challenges for municipal agencies.

Plan | Design | Construct | Manage

WWW.DUDEK.COM San Diego | Los Angeles | Riverside
800.450.1818 Orange | Santa Barbara | Placer

**Geotechnical Stabilization, Inc.**

Amer R. Al-Ajusi, P.E.
President

Chemical Grouting Compaction Grouting
PressGrout Piles Lense Grouting

1558 Sterling Court • Escondido, CA 92029-1208
760/489-6696 • FAX 760/489-6697

**KEHOE TESTING & ENGINEERING**

- Cone Penetration Testing (CPT)
- Direct Push Soil, Water & Vapor Sampling
- Truck Mounted, Track & Ltd. Access Rigs

Soil Testing & Sampling Services
for Geotechnical & Environmental Consultants

5415 Industrial Drive
Huntington Beach, CA 92649-1518
(714) 901-7270 (714) 901-7289 fax

STEVE KEHOE, P.E.
PRESIDENT

**Advanced Earth Sciences, Inc.**
Geotechnical and Environmental Consultants

Kris Khilnani, PE, GE - President
Dr. Suji Somasundaram, PE, GE - Principal Engineer
Grant Miller, PG, CEG - Principal Geologist

9307 Research Drive
Irvine, CA 92618
(949) 379-2450
FAX: (949) 379-2470
Website: www.aessciences.com

**Earth Mechanics, Inc.**

Geotechnical and Earthquake Engineering

Foundation Design
Seismic Evaluation
Soil-Structure Interaction
Field Investigation and Laboratory Testing
Grading and Foundation Inspections

www.earthmech.com

Fountain Valley Los Angeles San Bernardino Oakland San Diego
(714) 751-3826 (310) 519-1197 (909) 890-1551 (510) 562-8833 (760) 736-8222



Phone: (562) 427-6899
Fax: (562) 427-3314

Email: info@greggdrilling.com
Web Site: www.greggdrilling.com

GREGG DRILLING & TESTING, INC.

- ENVIRONMENTAL AND GEOTECHNICAL DRILLING
- WELL INSTALLATION
- CONE PENETRATION TESTING

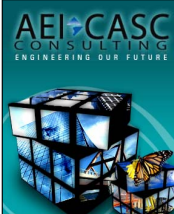
2726 WALNUT AVE. • SIGNAL HILL, CA 90755



INCORPORATED

- WATER
- WASTEWATER
- RECYCLED WATER
- STORM WATER

Riverside, CA • (951) 684-6900
www.kriegerandstewart.com



CIVIL ENGINEERING
PLANNING
ENVIRONMENTAL ENGINEERING
SURVEYING

CORPORATE OFFICE
937 S. Via Loma Suite 500
Colton, CA 92324
(909) 783-0101

Offices throughout California
www.aei-casc.com

**EARTH SYSTEMS**

Geotechnical Engineering
Engineering Geology
Environmental Consulting
Materials Testing & Inspections

Offices throughout California

Los Angeles Area Office (818) 901-8075
www.earthsystems.com

**GEOTECHNICAL ENGINEERING MATERIALS TESTING & INSPECTION**

Serving Southern California since 1986

Michael Reader, G.E.
Principal Engineer
Tom Swantko, G.E.
Principal Engineer

Group Delta Consultants, Inc.
Los Angeles County: (310) 320-5100
Orange County: (949) 609-1020
San Diego County: (858) 524-1500
www.GroupDelta.com

Geotechnical Environmental Site/Civil

LANGAN

ENGINEERING & ENVIRONMENTAL SERVICES

www.langan.com

Irvine San Francisco Oakland San Jose Sacramento
California New Jersey New York Connecticut Florida Pennsylvania Virginia



Water Resources
Infrastructure Modeling
and Master Planning

Tony Akel, P.E.
Principal

Phone: 559.436.0600
Fax: 559.436.0622
Cell: 559.593.5937
Email: takel@akeleng.com

7433 N. First St. Suite 103
Fresno, California 93720
www.akeleng.com



FUSCOE
ENGINEERING
full circle thinking

- land development
- entitlement services
- survey & mapping
- water quality assurance
- eco-adaptive design
- sustainable engineering
- GIS & 3D visualization

949.474.1960 • OC 213.542.4260 • LA
IRVINE • SAN DIEGO • ONTARIO • PALM SPRINGS • LOS ANGELES
www.fuscoec.com



Engineering • Surveying • Planning • Landscape Architecture

visit us online for job listings at
www.hfinc.com

800.544.2114

Offices throughout Southern California including Irvine, Rancho Cucamonga, Santa Clarita, Temecula, Victorville, and Woodland Hills



Leighton Consulting, Inc.

866-LEIGHTON

Thomas C. Benson, Jr., PE, GE, REA | President and CEO

Geotechnical | Environmental | Testing and Inspection



- Environmental Science and Engineering
- Geotechnical Engineering
- Earthquake-Related Services
- Air Toxics and Health Risk Assessment

James J Weaver PE, GE
Tel (949) 642-0245
Fax (949) 642-4474
www.amec.com

510 Superior Avenue
Suite 200
Newport Beach, California
USA 92663-3627

**GENTERRA CONSULTANTS, INC.**

Joseph J. Kulikowski, PE, GE
President and Senior Principal Engineer
15375 Barranca Parkway, Bldg L
Irvine, California 92618
(949) 753-8766
joekul@genterra.com
www.genterra.com

CIVIL AND GEOTECHNICAL ENGINEERING • DAM ENGINEERING
OFFICES IN NO. & SO. CALIFORNIA, COLORADO AND PENNSYLVANIA
SERVICES PROVIDED NATIONWIDE

**ONE COMPANY | Many Solutions™**

SERVICES:

Water/Wastewater • Transportation
Environmental • Construction Management

801 So. Grand Avenue, Suite 500, Los Angeles, CA 90017
213.239.5600 www.hdrinc.com

**LGC Valley, Inc.**
Geotechnical Consulting

Matthew Hawley, PG, CEG
President

28532 Constellation Road
Valencia, CA 91355
Phone 661-702-8474
Fax 661-702-8475

Mobile 805-404-6103
mhawley@lgcgeo.com
www.lgcgeo.com



Public Infrastructure; Land Development;
Education; Energy; Survey & Mapping;
Aerospace/Defense

310.664.1166
www.CannonCorp.us

**Geomatrix**

- Environmental Science and Engineering
- Geotechnical Engineering
- Earthquake-Related Services
- Air Toxics and Health Risk Assessment

James J. Weaver, P.E., G.E.

510 Superior Avenue, Suite 200 Newport Beach, CA 92663
(949) 642-0245 - office (949) 642-4474 - fax

HESS ENGINEERING INC
Structural Engineers

Richard L. Hess, S.E., SECB, FASCE
President

www.HessEng.com

3347 Cerritos Avenue • Los Alamitos, CA 90720-2105
(562) 799-9787 • FAX (562) 799-4973 • Cell (310) 717-4916

LIN Consulting, Inc.

Traffic, Civil and Electrical Consulting Engineers

William Sun, P.E., T.E.
Senior Project Manager

21660 E. Copley Drive, #270, Diamond Bar, CA 91765-4173
Tel (909) 396-6850 ext. 105 • Fax (909) 396-8150
E-mail: wsun@linconsulting.com

**Converse Consultants**
Geotechnical Engineering
Environmental & Groundwater Science
Inspection & Testing Services

Monrovia Office (626) 930-1200 Costa Mesa Office (714) 444-9660
Fax (626) 930-1212 Fax (714) 444-9640
Redlands Office (909) 796-0544 Sacramento Office (916) 331-5444
Fax (909) 796-7675 Fax (916) 331-6444

www.converseconsultants.com

**GeoPentech**
Geotechnical & Geoscience Consultants

- * Geotechnical Engineering
- * Geo-Earthquake Engineering
- * Seismic Hazards Evaluation
- * Soil Dynamics/Vibrations
- * Engineering Geology
- * Hydrogeology
- * Seismic Geology
- * Forensic Studies

525 N Cabrillo Park Drive, Suite 280
Santa Ana, California 92701
Phone: (714) 796-9100; FAX: (714) 796-9191
Web Site: www.geopentech.com

**JENSEN DESIGN & SURVEY, INC.**

1672 Donlon Street
Ventura, California 93003
Local 805 654 6977
Fax 805 654 6979
State 800 676 1916

“Designing
for the Future”

The leader in civil engineering
and surveying providing
professional state-of-the-art
services, commitment to
excellence, and timely
responsiveness.

Engineers Planners Surveyors

LaBelle • Marvin
PAVEMENT ANALYSIS, DESIGN, TESTING
& INSPECTION SINCE 1969

Steven R. Marvin, P.E.
President

2700 S. Grand Ave.
Santa Ana, CA 92705
Ph (714) 546-3468
Fax (714) 546-5841
smarvin@labellemarvin.com

www.labellemarvin.com

**DIAZ-YOURMAN**
& ASSOCIATES

Christopher M. Diaz, P.E.
Principal

Geotechnical Services

1616 East 17th Street, Santa Ana CA 92705-8509
Tel. (714) 245-2920 • Fax (714) 245-2950 • Mobile (714) 412-2093
chris@diazyourman.com www.diazyourman.com

**GEOTECHNICAL PROFESSIONALS, INC.**

James E. Harris, G.E.
Byron Konstantinidis, G.E.
Paul R. Schade, G.E.

5736 Corporate Ave.
Cypress, California 90630
(714) 220-2211 Fax (714) 220-2122
www.gpi-ca.com

**Engineering, Inc.**

- Engineering
- Land Planning
- Surveying

357 N. Sheridan St. 117
Corona, CA 92880
Tel: (909) 279-1800
Fax: (909) 279-4380
Email: ka@kaengineering.com

MACTEC

GEOTECHNICAL • ENVIRONMENTAL • HAZARDOUS MATERIALS • CMT

Perry A. Mallon, G.E. Senior Vice President
Marshall Lew, Ph.D., G.E. Senior Principal/Vice President
Martin B. Hudson, Ph.D., G.E. Chief Engineer

Hedy Abadi, Ph.D., P.E. Director of Environmental Services
Edward C. Trassars, P.E. Principal Materials Engineer

5628 E. Slouson Avenue • Los Angeles, California 90040-2922
323.889.5300 • fax 323.721.6700 • www.mactec.com

Noise & Air Studies
All Your Noise and Air Assessment Needs Since 1981

Mestre Greve Associates
Contacts: Matt Jones, P.E.
Fred Greve, P.E.
27812 El Lazo Road
Laguna Niguel, CA 92677
Tel: (949) 349-0671
www.mgal.com

Studies for EIRs and EISs
Caltrans/FHWA Assessments
Noise Ordinance Compliance
Air Toxics/Health Risk Assessments
Noise Elements

PETRA
past + present + future

**Geologists
Geotechnical Engineers
Environmental Scientists**

888-243-6100

URS

2020 East First Street
Suite 400
Santa Ana, CA 92705
Tel: 714.835.6886
Fax: 714.973.4062
www.urscorp.com

Garry Lay, PE, GE
Farid Motamed, PE, GE

915 Wilshire Boulevard
Suite 700
Los Angeles, CA 90017
Tel: 213.996.2200
Fax: 213.996.2374

WALLACE GROUP®

805 544-4011
www.wallacegroup.us

DEDICATION TO SERVICE®
CIVIL ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

THE MOOTE GROUP
Land Development Solutions
Integrity • Accuracy • Experience

Office: 714-751-5557
1516 Brookhollow Drive
Santa Ana, CA 92705

Contact:
Marj Knitter, President - mknitter@moote.com or
Mike McGovern, PE, FASCE - mmcgovern@moote.com

Paul A. Moote & Associates, Inc. www.moote.com

Land Development Consultants
Cost Estimating
Construction Management
Dry Utility Consulting/Coordination
Public/Private Bid Administration
CFO Administration
Electro/Telephone Applicant Design
Expert Witness/Litigation Support
SBE, DBE, WBE Certified

The PRESSURE GROUT COMPANY

Steven C. Chandler
Branch Manager

1975 National Avenue
Hayward, CA 94545-1709
510-887-2244
www.pressuregrout.com • e-mail: pgc@pressuregrout.com

1330 W. Gaylord Street
Long Beach, CA 90813-1321
562-432-4100

VA CONSULTING

Max Vahid, P.E.
President and CEO
maxvahid@vaconsultinginc.com
Tel: 949.474.1400 | Fax: 949.261.8482

Engineering Services in:
Flood Control | Drainage | Water Quality
Potable Water | Recycled Water | Wastewater
Transportation | Traffic | Plan Checking
Structural | Land-Use Planning | Site Development
Surveying | Construction Management

Offices in: Irvine • Corona • Palm Desert

WEIL & DRAGE
Attorneys at Law
www.weilndrage.com

Serving the Design Professional community in a wide range of construction and business-related matters.

California (949) 837-8200 • Nevada (702) 314-1905 • Arizona (602) 971-0159

NMG
Geotechnical, inc.

Hayim Ninyo
Ted Miyake

17991 Fitch, Irvine, CA 92614
Phone (949) 442-2442 Fax (949) 476-8322
E-Mail: hninyo@nmgeotechnical.com
www.nmgeotechnical.com

PSOMAS

Land Development GIS
Surveying & Mapping Water & Wastewater
Construction Management Transportation
Natural Resources Special District Financing

California | Colorado | Arizona | Utah | Nevada | Mexico
www.psomas.com

MATERIALS SUBMISSION INFORMATION

All graphic materials submitted for use in the ASCE newsletter should have all fonts outlined, and links included; .eps files preferred. Other formats are: InDesign CS2, Adobe Illustrator CS2; additional acceptable file formats are: .jpg, .tif and .pdf files. Images embedded in Microsoft Word documents should be sent separately, at a minimum resolution of 150 dpi at the display size desired. Collected files, including links and fonts, should be compressed and emailed, or sent on zip disk (provide return address). Business cards can be submitted electronically as well, or send clean, crisp, b&w laser print, unfolded. This publication is 8.5" x 11".

NORRIS-REPKE
Engineers & Land Surveyors

Capital Improvement Design
City Engineering
Land Surveying & GIS Services
Construction Management
Water and Sewer
Building & Safety
Engineering Software

TEL: 714-973-2230
FAX: 714-973-2263
www.norrisrepke.com
400 N. Tustin Avenue, Suite 230, Santa Ana, CA 92705

RBF CONSULTING

PLANNING • DESIGN • CONSTRUCTION

Providing innovative, timely and cost effective solutions to today's design challenges through specialized client service
www.RBF.com

Offices located throughout California, Arizona and Nevada • 800-479-3808

PACE
Advanced Water Engineering

ADVANCED WATER ENGINEERING
...in partnership with nature

- Water / Wastewater
- Stormwater Management
- River / Wetland Restoration
- Manmade Lakes / Streams
- River Engineering
- Fountains / Pools

WWW.PACEWATER.COM
HEADQUARTERS
17520 Newhope Street, Suite 200 | Fountain Valley, California 92708
main: 714.481.7300 fax: 714.481.7299
ADDITIONAL LOCATIONS:
PHOENIX, AZ • BEIJING, CHINA • CAIRO, EGYPT • MOSCOW, RUSSIA

P: (805) 543-1794 | www.rmdesign.com

rrmdesigngroup

creating environments people enjoy®

Community | Civic & Public Safety | Education | Recreation | Urban
architects | engineers | landscape architects | planners | surveyors

PARSONS

100 West Walnut Street
Pasadena, California 91124
(626) 440-6263 • Cell: (626) 483-3171
Fax: (626) 440-2702
surendra.thakral@parsons.com

Surendra K. Thakral, P.E., BCEE
Senior Vice President, Technology & Business Development

www.parsons.com

SA ASSOCIATES

Shahnawaz Ahmad
CONSULTING ENGINEERS

Los Angeles County:
1130 W. Huntington Drive
Unit 12, Arcadia, CA 91007
Tel 626.821.3456
Fax 626.445.1461
Mobile 626.826.3456 • e-mail: saahmad@saassociates.net

Orange County:
1661 N. Raymond Avenue
Suite 100, Anaheim, CA 92801
Tel 714.871.9083
Fax 714.871.3652

PARSONS BRINCKERHOFF
Moving California Forward

Los Angeles (213) 863-9970
Orange (714) 973-4880
Inland Empire (909) 888-1106
Visit us on the web at pbworld.com

Civil - Planning - Water Resources - Inspection
Surveying - Construction Management - Program Management
Architecture - Environmental - Landscape Architecture

TKE ENGINEERING & PLANNING

2305 Chicago Avenue • Riverside • CA • 92507
Ph. (951) 680-0440 • Fax (951) 680-0490
www.tkeengineering.com

Penfield & Smith
Engineering • Surveying • Planning
Construction Management

- Civil Engineering
- Surveying & Mapping
- Land Use Planning
- Construction Management
- Traffic Engineering
- Transportation Planning
- Financing District Services

Santa Barbara Corporate Office
(805) 963-9532
Camarillo Office
(805) 961-0706
Santa Maria Office
(805) 925-2345
Lancaster Office
(661) 949-6676

Debanik Chaudhuri
Chief Geotechnical Engineer
562.426.3355 phone
562.426.6424 fax
562.355.8635 cell
dchaudhuri@twininglabs.com
www.twininglabs.com

TWINING LABORATORIES
OF SOUTHERN CALIFORNIA

2883 East Spring Street
Suite 300
Long Beach, CA 90806

Long Beach • San Bernardino • San Diego • Ventura • Sacramento



HYDROLOGY/HYDRAULICS/ENVIRONMENTAL SOFTWARE

ADVANCED ENGINEERING SOFTWARE

P.O. Box 4962
GARDEN GROVE, CA 92842-4962
TEL/FAX: (714) 780-8990

TO REVIEW AES PROGRAM FEATURES AND CAPABILITIES, VISIT:

<http://www.advancedengineeringsoftware.com>

- Software written/supported by **AUTHORS OF THE HYDROLOGY MANUALS**.
- Software used throughout Southern California since 1980 by private and government agency engineers.
- Used to develop 55 City-Wide and County-Wide Master Plans of Drainage throughout California.

AES Program Developers & Support:
Theodore V. Hromadka II, Ph.D., Ph.D., P.E., P.H., I.G., *Professor Emeritus, CSUF*; Johannes J. DeVries, Ph.D., P.E., *Faculty, UC Davis*; Howard H. Chang, Ph.D., P.E., *Professor, SDSU*; Paolo Zanetti, Ph.D., QEP, *President, EnviroCOMP*; Robert J. Whitley, Ph.D., *Professor Emeritus, UC Irvine*; Carlos Brebbia, Ph.D., *Director, Wessex Institute of Technology*; Gary Guymon, Ph.D., P.E., *Professor Emeritus, UC Irvine*.

POSTMASTER: THIS CONTAINS TIME-SENSITIVE MATERIALS.
PLEASE DELIVER PROMPTLY.



This newsletter is printed on
Forest Stewardship Council
(FSC)-certified paper using
soy-based ink.

***Please contact ASCE Membership at
1-800-548-ASCE for any address changes.***

ASCE OFFICERS AND DIRECTORS OF THE LOS ANGELES SECTION, FY 2011-2012

President	John Hogan, P.E.	Hall & Foreman, Inc.	714-665-4507	jhogan@hfinc.com
President-Elect	Michael Thornton, P.E.	T K E Engineering Inc.	951-680-0440	mthornton@tkeengineering.com
Past President	Gregory Heiertz, P.E.	Irvine Ranch Water District	949-453-5560	heiertz@irwd.com
Secretary	Janice Horcasitas, P.E.	City of Bakersfield	661-326-3607	jhorcasi@bakersfieldcity.us
Treasurer	Katherine Shinkai, P.E.	LPA	949-701-4033	katherine.shinkai@gmail.com
Vice-President Student Activities	Gregg Fiegel, PhD, P.E.	Cal Poly San Luis Obispo	805-756-1307	gfiegel@calpoly.edu
Vice-President Technical Groups	Bill Flores, P.E.	HDR Engineering, Inc.	951-320-7311	bill.flores@hdrinc.com
Desert Area	Clarence Martin, P.E.	City of L.A. Department of Water and Power	760-873-0342	Clarence.Martin@ladwp.com
Metropolitan Los Angeles	Marlon Calderon, P.E.	City of LA, Bureau of Engineering	213-473-6233	marlon.calderon@lacity.org
Orange County Branch	Josh Nelson, P.E. M.ASCE	CNC Engineering	626-333-0336	Jnelson@cc-eng.com
San Bernardino/Riverside Counties	Rita Escobar	AECOM	714-567-2498	Rita.escobar@aecom.com
San Luis Obispo	Vallerie Huff, P.E.	Wallace Group	805-544-4011	valerieh@wallacegroup.us
Santa Barbara/Ventura Counties	Marta Alvarez, P.E., P.L.S.	Y.C.E. Engineering & Surveying	805-650-6995	yce-mya@pacbell.net
Southern San Joaquin	Jay Schlosser, P.E.	AECOM	661-325-7253	Jay.schlosser@aecom.com
Younger Member Forum	Heren Molina	PPC Construction Inc.	323-256-2600	heren.molina@ppcco.net
Life Member Forum	Larry Lewis, P.E.	Retired / City of Los Angeles	562-927-2088	MI3lewis@aol.com
Region 9 Governor	Jay Higgins, P.E.	URS Corporation	818-406-4896	jay_higgins@urscorp.com

NEWSLETTER INFORMATION

Publisher

ASCE LA Section
Gayle Stewart
1405 Warner Ave., Suite B
Tustin, CA 92780
Phone (714) 258-8306
Fax (714) 258-8391
E-mail: GStewart@associationplanet.com

Editor

Dr. Cris B. Liban, P.E.
LACMTA
One Gateway Plaza
Mail Stop 99-17-2
Los Angeles, CA 90012
Phone (213) 922-2471
FAX (213) 922-6875
E-mail: cliban@UCLAlumni.net
Typesetting, Layout & Printing: The Center Quickprint



Please send all copy to the Editor by
the first of the month preceding publication.

Identification Statement

ASCE Newsletter, (ISSN 0273-6233)
is published monthly by ASCE,
Los Angeles Section, 1405 Warner Ave.
Tustin, California 92780. Subscription price
included in Section dues of \$45.

Circulation

Circulated monthly (except for a joint
July/August issue) to the 5,000 subscribing
members of the Los Angeles Section, ASCE.

Advertising Rates

EMPLOYMENT ADS	DISPLAY ADS
\$75/column inch	1/8 page \$150
	1/4 page \$250
	1/2 page \$415
	1 page \$690

PROFESSIONAL DIRECTORY

\$350 per business card for a full year
(Additional fees may be applied for typesetting.
Please call for information.)

POSITION WANTED ADS

No cost to L.A. Section members.

For more advertising and billing information,
please contact Lorena Arce, P.E., at
(562) 448-4526 or lorena.arce@hilti.com

National ASCE (800) 548-2723 (ASCE)
Access National ASCE at: www.asce.org
L.A. Section web site at: www.ascelasection.org