

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

Michael Thornton, P.E.
Los Angeles Section President



Government Relations

ASCE Region 9, of which the Los Angeles Section is included, held our annual legislative visit to Sacramento on May 17th. I, along with a number of other Section members, joined the group to advocate for infrastructure investment. ASCE has been visiting the Capitol on a regular basis since 2005. As I have said in previous months, we have lost ground over the past 8 years but I believe our efforts have prevented even greater assault on infrastructure investment.

Our issues that we planned to discuss included Master Plan for Infrastructure, Sustainability, Project Delivery, QBS, High Speed Rail, Water Bond, STEM, Redevelopment, and the Role of Engineers Board. Being too many items to discuss in a short session with legislators, albeit all are certainly worthy, I locked into three subjects - Master Planning, Water Bond, and Redevelopment.

Existing law (AB 1473, 1999) requires the Governor to submit a five-year infrastructure plan to the legislature as part of the annual state budget proposal. The State Department of Finance last issued the Plan in 2008. Furthermore, since the 2006 Bonds (primarily school, water, and transportation) are essentially 100% percent obligated, there is a new battle brewing about how the state will fund education facilities, the much needed water bond, transportation investment and green initiatives. All appear to be competing interests.

In response, ASCE Region 9 supports the recommendation from the State Legislative Analyst and encourages the leaders of the two legislative chambers to create a Joint Legislative Committee on Infrastructure. The goal is to create a long range infrastructure financing plan to meet all of the State's infrastructure needs effectively eliminating the competition that would result in a new infrastructure era and a road map to the future. I explained to the legislators that, as my father used to say, "With a map, I am certain I can get to my destination. Without one, I will likely never arrive." ASCE further advised that reliable funding for both water and transportation improvement is badly needed. We provided legislators with copies of our report cards, both society and state cards, documenting the needs. We discussed the past bonds being fully obligated and of funding uncertainties. A financial plan will also need to be diversion proof and protected from budget battle balancing raids.

The feedback we received was in agreement that such a committee makes sense. Keep in mind, I met with representatives from both sides of the political aisle. Infrastructure historically has never been a partisan issue; both parties support continued investment. The Master Plan can be the effective tool ASCE needs guiding leaders to a better infrastructure future.

continued on page 3

VOL. XLXV NO. 7

In This Issue	page
PRESIDENT'S MESSAGE	1
SHORT HISTORY	2,4
AWARD DINNER SPONSOR.....	5
7TH ANNUAL AWARDS/ARTICLES.....	6-7
CENTENNIAL CELEBRATION DONORS.....	8-9
ARTICLES	10-13
PROFESSIONAL DIRECTORY.....	14-15



A Short History of the Pacific Electric Railway Company's El Prado Bridge over the Torrance Branch Line

By Carl Nelson, PE & ASCE Life Member

When Henry Huntington, as first Vice President of the Southern Pacific Railroad in 1900, failed to succeed his late uncle Colis Huntington as President of the SP, he went into direct competition with the SP. Although remaining on SP's Board of Directors, he sold his major holdings of SP stock and founded the Pacific Electric Railway Company.

Emulating his empire-building uncle, Huntington had made wise investments in Southern California land and Los Angeles street railways. He envisioned creating an electric railroad system up and down the coast of California and incorporated **the Pacific Electric Railway Company in 1901**. A number of prominent Los Angeles bankers and landowners were on PE's original Board of Directors including I. W. Hellman, Epes Randolph, John D. Bicknell and J. S. Slauson.

Before long, Huntington found that one of his financial partners, Hellman, had sold his 45 % interest in the new Pacific Electric Company to the Southern Pacific. Later, in competition for a street railway franchise from the city of Los Angeles, Huntington found a representative of **Southern Pacific's**.

E. W. Harriman surreptitiously bidding up the franchise price beyond economic reality. Huntington dropped out of the bidding and SP entered the street railway business.

Nonetheless Huntington continued to expand his landholdings, purchasing other local electric railways, and extending the Pacific Electric lines. In direct competition with steam railroads the electric lines were extended to each of the contending Los Angeles seaports; i.e., Alamitos Bay, Newport Beach, San Pedro, Redondo Beach, and Santa Monica. Almost immediately the Pacific Electric was luring passengers away from parallel steam routes due to more frequent service, more local stops and lower fares.

Between 1906 and 1909, Huntington began to lose his hold on LA's street railway systems due to Southern Pacific's aggressive acquisitions of other competing systems. By 1910 the Southern Pacific had gained financial control of the Pacific Electric by purchasing most of its stock. To consolidate all lines of the former Pacific Electric with SP's Los Angeles Inter-Urban Railway, **the Pacific Electric Railway Company was re-incorporated on August 24, 1911**. The articles of incorporation do not mention the Southern Pacific; however, the new Board of Directors was headed by Wm. F. Herrin, a San Francisco resident and Chief Counsel for the Southern Pacific. The consolidation made the PE the largest operator of interurban electric railway passenger service in the world by the 1920s, with 2,160 daily trains over 1,000 miles of track throughout Southern California. According to Spencer Crump's 1962 book "Ride the Big Red Cars" the complete details were never revealed of the profitable deal whereby Huntington yielded his interest in the Pacific Electric to the Southern Pacific.

One of the hallmarks of Huntington's expansion of the Pacific Electric had been partnering with large landholders. On occasion the real estate speculators would pay the cost of rail extensions to improve

their property values. An example lies in the partnering of Dominguez Land Company with the Pacific Electric Company in the design and construction of the Torrance Branch line and the **El Prado Bridge** in 1913.

In the early 1900s J. S. Torrance, president of Dominguez Land Co. and other investors had purchased part of a former Spanish land grant and hired famed landscape architect Frederick Law Olmsted, Jr. to design a new planned community that would be named after Torrance. Some of the town's early buildings were designed by the renowned Southern California architect Irving Gill whose **Mission Revival** and early **Modernist concepts** influenced the El Prado Bridge design.

In 1904 Pacific Electric began service from Los Angeles to San Pedro. The main line ran parallel with Normandie Ave. from Gardena to Gaffey Ave. and terminated in San Pedro. While profits from land sales had provided the initial financial incentive for rail extensions, freight revenues gradually became a more important factor than passenger fares. Conceived and built as an industrial city, Torrance had been chosen by PE as the location of their multi-million dollar car maintenance shops. Also, Torrance was selected by such heavy industries as Union Tool Co, Llewellyn Iron Works (later to become Columbia Steel), and other imposing industrial establishments.

In 1912 the PE opened a branch through Torrance from the San Pedro main line, running west in PE's private right of way dividing Torrance Blvd., then south along Cabrillo Street before returning to the San Pedro main line.



Testimony to the sparse population of the area at that time, is that a substantial part of ridership on the Torrance line were Pacific Electric employees riding PE's special daily train from Los Angeles to work at the Torrance shops.

Spur tracks extending into plants, such as the Union Tool Company, brought lucrative freight billings to PE. The Columbia Steel Mill was located topographically such that freight service could best be accommodated by extending a spur from Union Tool northerly over the east/west Torrance local line. **Simply building a spur off the Torrance line would have resulted in too steep a climb to the steel mill.** The result is the Gill-inspired, El Prado bridge

California's delayed water bond has been heavily debated and there are many differing opinions about the nature of the bond and the timing of submitting it to the voters. ASCE remains committed to California's Safe, Clean, and Reliable Drinking Water Supply Act of 2012 and supports the initiative being placed on the 2014 ballot. In addition, ASCE supports the implementation of the Bay Delta Conservation Plan dual conveyance facility.

The discussion of the Bond led to its size, \$11.14 billion, and the potential need to reopen the bond to reduce the amount. We responded that ASCE supports a bond that has the greatest probability to be approved but would not support a long and laborious debate about the bond's contents that would prevent the voters from voting on the initiative. It seems that legislative leaders are satisfied that the current bill will remain as is. They also appear to support it remaining on the November 2014 ballot. Although the Governor's realignment initiative was passed by the Legislature ending redevelopment, ASCE still believes the issue is unresolved. ASCE supports the use of infrastructure financing districts with revisions to the types of projects that are eligible to use funding together with the tax-increment financing. For more detail, please review the October 2012 newsletter. Simply put, the dissolution of redevelopment was another diversion of infrastructure financing consistently opposed by ASCE.

Our legislators understand the needs and they are working to develop "Redevelopment 2". They seek input from constituents about how it should be crafted, opportunities for ASCE members. Included in my stops was the Governor's office. His staff made clear that the Governor has no intention of any new bills related to redevelopment until the 72 redevelopment dissolution lawsuits are resolved. So, it seems we are a long way from the final chapter of redevelopment.

In summary, legislative day was educational and certain dynamics are creating opportunities. First, while we were in Sacramento, the Governor announced a projected large State surplus and that discussions will occur on how those amounts should be used (infrastructure perhaps?). Second, much of the legislature is new; approximately 40% are first year legislators. I met with a number of them and they are eager about the opportunity to create a legacy. Third, the term limit change was approved by the voters and legislators are able to stay for as long as 12 years in a single position. ASCE can develop long term relationships with these leaders to develop the long range infrastructure plan for the future. As always, ASCE has done great work related to government relations but we have more to do. We were invited to continue working with legislators back in their district offices. They are looking for partners to develop badly needed solutions to State challenges including infrastructure. Our job is to take them up on their offers and to reach each and every legislator up and down the State.

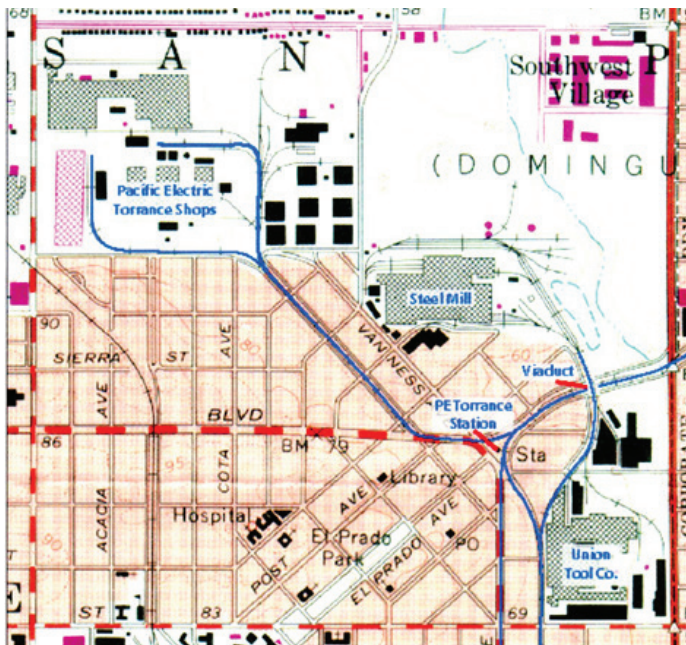
Go and demand, in a nice way, a plan for infrastructure investment (master plan), secure their support for the water bond, and advocate for Redevelopment 2 and include, as appropriate, the other talking points mentioned above. Make an appointment today with your state senator and assembly member; they are typically in the local offices on Fridays. You, as a representative of ASCE, represent more than 19,000 engineers in public and private practice in California. We are infrastructure champions and our goal is to pass infrastructure of better conditions to our children and grandchildren. We are ready to take on the challenge of planning, design, and construction oversight; we just need investment and a financing plan.

Some other helpful notes, we are not Democrats or Republicans, we are advocates for infrastructure. In addition, infrastructure investment creates good paying engineering and construction jobs; we need jobs in every corner of the state. Further, infrastructure is the foundation to our next economy. A solid foundation will lead to a thriving economy. Remember to bring the infrastructure conversation home by discussing a project in your area (e.g. a bridge or treatment plant project) and how vital these improvements are to our local communities. Finally, ASCE has a number of tools that will assist with message delivery.

I believe that government relations is the most important task for ASCE. Elected officials are seeking assistance and who better than us to help them find the answers. I often say that if engineers were in charge, our state would be in much better shape and California would be the best place to live in the entire world. Since most of us have no desire to run for office, this is our way to contribute. ASCE, go get em!



commissioned by the Dominguez Land Company; a multi-arch structure spanning the double-tracked Torrance branch as well as the Torrance Boulevard couplet.



This is **the only place on the Pacific Electric** where a bridge was built to cross over the railroad itself. Structural design of the El Prado Bridge was by Ralph Bennett, PE of the Dominguez Land Company and approved by George W. Pillsbury, Chief Engineer of the Pacific Electric Railway Co.

Red Car passenger service to Torrance ended in 1940; however the PE continued to use the route for freight service until dissolution of the company in 1964. The PE shops were demolished in the 1970s and tracks were removed south of Torrance Blvd. The Southern Pacific took over freight service with diesel-electric motive power for freight service after the all-electric freight engines were retired. After the 1996 consolidation of SP with the Union Pacific Railroad the Torrance line was re-ballasted and re-railed with welded rail to serve the US Gypsum Co. plant where the line ends adjacent the former PE Shops.



Though trackage, turnouts and remnants of a switch remain on the **top deck of the El Prado Bridge**, it is no longer in use. The steel mills have been demolished to make way for the national headquarters of American Honda Motor Company which has no rail access. There is no chance of the bridge returning to service, since the right-of-way at either end has been redeveloped. Nevertheless, the **Pacific Electric Railway Company's El Prado Bridge** has become a symbol of the city as part of the Torrance Police Department's logo as of January 1, 2000.



The city of Torrance as part of a centennial recognition of the 1913 El Prado Bridge construction awarded a construction contract entitled **Pacific Electric Railroad Bridge Rehabilitation and Beautification** in October 2012, anticipating completion in 2013. The rehabilitation project was designed by Krakower Associates for the City of Torrance and approved by City Engineer Toufic J. Semaan, PE.

ARTICLE

Are you looking for an opportunity to serve your profession and State?

California engineers, land surveyors, geologists and geophysicists are subject to licensure and supervision by the Board of Professional Engineers, Land Surveyors and Geologists - commonly known as BPELSG. BPELSG is governed by a 15 member board of licensees and public members and there is one opening on the board. If you are an ASCE member and possess a license as a geotechnical engineer and/or one of the title acts (other than structural) and work for a local agency (city, county or other public agency other than the State or Federal government) and would consider applying for a Governor's appointment, please contact Fareed Pittalwala (fpittalwala@sherwoodengineers.com) for more information and steps to securing the endorsement of ASCE.

"The government can supply no substitute for enterprise." Calvin Coolidge



ASCE Region 9 and Los Angeles Section



2013 Awards Dinner Sponsors

Region 9 and the Los Angeles Section of ASCE would like to thank the following organizations for their generous contributions in support of the 2013 Awards Dinner:

Platinum Sponsors



Kimley-Horn
and Associates, Inc.



TY·LIN INTERNATIONAL



MWH®

MAGNUS
Pacific

BUILDING A BETTER WORLD

Silver Sponsor

Camilla Saviz
UNIVERSITY OF THE
PACIFIC
School of Engineering
and Computer Science

Bronze Sponsor



Engineering ▪ Planning ▪ Surveying

Seventh Annual ASCE California Awards

By Gregg L. Fiegel, PhD, PE, GE, M.ASCE, Vice President, Student Activities

On March 6, 2013 ASCE Region 9 held its annual Awards Dinner and Program in Los Angeles at Union Station. These awards honor projects and individuals from throughout California for achievement and excellence.

The Los Angeles Section was well represented among the award winners. Projects from the Los Angeles Section garnered 6 of the 21 project awards. Individuals from our Section received 7 of the 15 individual awards.

The Los Angeles Section winners were:

Outstanding Project Awards

Bikeways & Trails Project: **Surfer's Point Managed Shoreline Retreat**, City of Ventura and RRM Design Group

Community Improvement Project: **Mill Creek Linear Park**, City of Bakersfield and Meyer Civil Engineering, Inc.

Parks & Recreation Project: **Los Angeles Zoo Living Amphibians, Invertebrates and Reptiles (LAIR) Project**, City of Los Angeles Department of Public Works

Stormwater Management Project: **Low Impact Development Testing and Demonstration Facility**, Riverside County Flood Control and Water Conservation District and CValdo Corporation

Structural Engineering Project: **John Wayne Airport Improvement Program**, County of Orange and IDS Group, Inc.

Sustainable Engineering Project: **Los Angeles Environmental Learning Center**, City of Los Angeles Department of Public Works

Individual Awards

Outstanding Civil Engineer in Legislative Activities: **Alex Geyer, P.E.**, Breen Engineering, Inc.

Outstanding ASCE Section Officer: **John Hogan, P.E.**, Hall & Foreman Inc.

Outstanding ASCE Life Member: **Andrew Machen, P.E.**, Lead Engineer, Caltrans District 8

Outstanding Younger Civil Engineer: **Darwin Vargas**, California Department of Transportation

Outstanding Civil Engineering Student: **Alicia Welling**, California Polytechnic State University, San Luis Obispo

State Legislator of the Year: **The Honorable Jose Solorio**, Former Member, California State Assembly

Lifetime Achievement Award: **Robert D. Nichol, P.E.**, Moffatt & Nichol



Symposium Luncheon with Keynote Speaker Antonovich



Panel Discussion - Water Track



ASCE President Greg DiLoreto

ASCE DISASTER TRAINING

Classes are being organized for volunteers to help in the event of a major disaster. The training program is under the auspicious of the State of California Emergency Management Agency (Cal EMA). Qualified individuals are California Registered Civil, Structural, Geotechnical, Engineers, 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. To register for the class submit your name along with your Telephone number, E-mail address and company information.

Classes will be given for VOLUNTEERS from professional organizations to assess damage, and COORDINATORS from City or County to determine the extent of damage and to determine the need for volunteers from outside of their area.

There is no charge for the class. The Class can commence as early as 8 AM or after work. Monday through Friday or on Saturday 8 AM – 3 PM. The class will last 3 to 5 hrs.

Thank you for your support of A S C E
Jack W. Rolston, Chair, 818-903-5225 cell
818-345-9199 • ascedisaster@earthlink.net

CONGRATULATIONS!

The L.A. Section would like to congratulate the following members on receiving their very prestigious awards: Wilfred Iwan, Theodore von Karman Medal; Patrick Lynett, Walker L. Huber Civil Engineering Research Prize; and Larry Nye, Moffatt-Nichol Harbor and Coastal Engineering Award.

ASCE
American Society of Civil Engineers

www.ascelasection.org



Symposium Luncheon



Don Sepulveda (left) and Bob Bein,
LA Section Centennial Committee Chairs



L.A. County Supervisor Michael Antonovich



ASCE
Region 9 and the Los Angeles Section
2013 Symposium Sponsors



Region 9 and the Los Angeles Section of ASCE would like to thank the following organizations for their generous contributions in support of the March 6, 2013 California Infrastructure Symposium:

Sponsoring Agencies



Metro®

Presenting Sponsor - \$20,000

HDR

Diamond Sponsors - \$10,000

AECOM



CH2MHILL®

Symposium Sponsors

Emerald Sponsors - \$5,000

**CDM
Smith**



**Oldcastle
Precast®**

URS

ARUP



EXPERIENCE | Transportation



**Hatch Mott
MacDonald**

Pearl Sponsors - \$1,500



Engineering ▪ Planning ▪ Surveying



**WILDERMUTH™
ENVIRONMENTAL INC.**

SKANSKA

**PARSONS
BRINCKERHOFF**



APA ENGINEERING, INC.
Civil Engineering • Planning • Surveying • Project



*Sponsors as of 5/26/13

Los Angeles Section *Monthly*: JULY-AUG 2013

Highlights of the March 6, 2013 ASCE California Symposium & Awards Dinner & ASCE Los Angeles Section Centennial Event

On March 6, 2013 the ASCE Los Angeles Section and the ASCE Region 9 (California) held an outstanding combined event called the ASCE California Infrastructure Symposium at the Union Station in downtown Los Angeles. This event combined the annual conference with a celebration of the 100th Anniversary of the ASCE Los Angeles Section's formation. The day also included an ASCE Region 9 (California) Awards Dinner recognizing and honoring civil engineering projects and professionals across the State.

The symposium was well attended with over 300 attendees. The day's events started at the historic Union Station's ticketing room with the chair of the ASCE LA Section Centennial Committee, **Don Sepulveda**, and his honorary co-chair, **Robert Bein**, who presented an impressive 10 minute video celebrating the accomplishments of civil engineering and civil engineering leaders in the Los Angeles Section area over the past 100 years. Thereafter, the morning keynote address was given by **Jeffrey Kightlinger**, General Manager of Metropolitan Water District of Southern California (MWDSC), one of the main sponsors for the event.

The Symposium event then broke out into two parallel infrastructure speaker panel tracks covering transportation related issues and water related issues. The transportation track was held nearby at the Metropolitan Transportation Authority (MTA) Board room and the water track was held at the MWDSC Board room, also within walking distance to Union Station.

The lunch hour speaker for the symposium was **Michael Antonovich**, Los Angeles County Supervisor and MTA Chair, who talked about the importance of infrastructure to the Los Angeles region. After the afternoon panel tracks, a beautiful reception was held, which included professional musicians for entertainment and no-host bar. The reception also included an address by **Dan Richard**, Chairperson of the Board, California High Speed Rail Authority, discussing the linkage between the statewide high speed rail system with local rail systems.

Later that evening, another large crowd attended the ASCE Region 9 Awards Dinner. The evening commenced with an opening address by **Greg DiLoreto**, President of the American Society of Civil Engineers. Mr. DiLoreto shared the importance of infrastructure and announced the future unveiling of the upcoming national infrastructure report card later in March. The day finished with an outstanding ASCE awards program recognizing individual and project accomplishments across the State.

The Los Angeles Section is grateful to the Symposium Sponsors and the Awards Dinner Sponsors whose financial and in-kind support made this wonderful event possible. Thanks also goes to the Symposium Committee, the Centennial Committee, and to the speakers – all of whom donated significant time and energy to make this event one of the most successful ever staged by the Los Angeles Section. Check out more photos from the event on the ASCE Los Angeles Section website as well as future Centennial celebration events over the coming year.

Response to President's Message

In response to last month's President's message related to the grade for Ports, Member and Past President, Neil Morrison offers the following comments:

Currently the Port of Long Beach is in the beginning stages of a committed \$4.4 billion Capital Improvement Program that began in 2010 and will continue through 2020. Included in the program is a brand new \$1.1 billion dollar state of the art fully automated, first on the west coast, 360 acre cargo terminal called Middle Harbor. This project has been under construction for over a year and is anticipated to conclude sometime by the end of this decade. There is also the \$1 billion dollar replacement project for the existing Gerald Desmond Bridge that is under contract, by the Port with assistance from Caltrans, which has started construction and is estimated to be completed in 2017.

Also, there is the \$700 million plus modernization of Pier G cargo terminal and the \$100 million to provide shore to ship power to all cargo terminals, some bulk terminals and some liquid bulk terminals. In addition, the Port has a very aggressive rail program and just recently awarded a \$25 million plus contract for the upgrade of the Pier F and Ocean Blvd. rail facilities including additional tracks. and adding storage to Pier F cargo terminal. Last year the Port finished construction of the Pier G north rail yard adding additional tracks and storage. And, the Port is moving forward with the Pier B rail project that will more than double the rail capacity and storage in the north harbor area.

In 2006, the Port adopted the Green Port Policy which was to reduce air emission in the Port. The Port has implemented this policy by subsidizing the purchase of newer and cleaner burning trucks and committing to more use of rail to reduce truck trips. All of these rail projects are in support of the Alameda Corridor and the reduction of truck trips.

Currently the Port is moving forward with a very aggressive dredging program to assure its tenants that the Port is and will be big ship ready at all of its cargo and liquid bulk terminals. In addition, recently the Engineering Design Division implemented three major public works infrastructure Capital Improvement Programs for streets, sanitary sewer and storm drain facilities that will upgrade all of the Port's infrastructure systems for the future. Currently the street CIP awarded a \$7 million project to reconstruct Anaheim Street a major arterial highway in the Harbor District. These CIP's are twenty year programs with an annual estimated budget in the \$20 million plus range.

Last but not least, just recently the Port of Long Beach was selected for the sixteenth time in the last eighteen years the No. 1 Port in the world for customer satisfaction, forward thinking and capabilities by its tenants, shippers and users. All of this is not going on anywhere else on the west coast, nation or world. The Port of Long Beach is definitely looking to and planning for the future.

In conclusion, I believe the information from which you derived your recent section newsletter article including the section and state report card in regards to the Port of Long Beach is off base and I hope this information will help clear up some of the issues stated in your article.

Legislative Day

By Shahnawaz Ahmad, Chair, Government Relations Committee

ASCE Region 9 held its Annual Legislative Day in Sacramento on May 14, 2014. Normally, the Legislative Day is held in conjunction with the Region 9 Annual Infrastructure Symposium; however this year, the Symposium was held in Los Angeles to celebrate the Los Angeles Section's Centennial.

Approximately 70 appointments were scheduled, including with the Governor's Speaker's, and Senate Majority Leader's Office. Approximately 31 attendees participated. It was a full day for the attendees going from one appointment to another.

The day started out with a briefing breakfast to discuss the Talking Points and "Leave Behinds" for the Legislators. The Talking Points included:

- Infrastructure Report Card
- Master Plan for Infrastructure/Joint Legislative Infrastructure Committee
- Sustainability
- Project Delivery
- Qualifications Based Selection (QBS)
- High Speed Rail
- Water Bond
- STEM (Science, Technology, Engineering, and Mathematics)
- Redevelopment
- Role of Engineers' Board

The Talking Points were well received by the legislators and staff. We ended the day with a short debriefing reception when people discussed their appointments and also filled out a feedback form that summarized the meetings with each legislator.

The Legislative Day was organized by the Region 9 Government Relations Committee. The members are as follows: Shahnawaz Ahmad (Chair), Clay Tanaka (Vice Chair), Philip Bordenave, Doug Fredericks, Adam Gagnon, Alex Geyer, Mojgan Hashemi, Steven King, Anthony Lusich, Richard Markuson, Fareed Pittalwala, and Summer Renner. A special thanks to Mojgan (MJ) Hashemi (MWD of So. Calif.) who coordinated the Legislative Day activities and to Summer Renner (TKE Engineering) who scheduled the appointments. The appointments were a "moving target" since the legislators change their schedule frequently until the last minute.

Below is a group photo of the Legislative Day participants.

The Government Relations Committee would appreciate your feedback to make Legislative Day more effective. Please provide your comments and suggestions to Shahnawaz Ahmad, GRC Chair, Tel 626.821.3456, e-mail: sahmad@saassociates.net.



Those Fracking Bills!

With apologies to those fans of *Battlestar Galactica*, the California Legislature, whose motto is “Why introduce one bill if you can introduce nine on the same subject?” have apparently settled on a handful of bills to “deal” with hydraulic fracturing. As the *LA Times* recently said “Legislation that would limit fracking in California is being trimmed to remove proposed bans on the controversial practice until its environmental impact can be studied.” The Region 9 Water Committee will be analyzing the two bills “with traction” and comparing them to ASCE’s policy [statement](#).

AB 7 (Wieckowski D) Oil and gas: hydraulic fracturing. (1) Requires the owner or operator of well for which hydraulic fracturing is utilized to provide the Division of Oil, Gas, and Geothermal Resources (DOGGR) information related to the hydraulic fracturing; and (2) requires DOGGR, to the extent that the information is not a trade secret, to make the information available to the public. The bill was amended on the floor, rules waived and sent to the Assembly policy committee for another hearing. It is likely to be the Assembly vehicle/companion to SB 4 – the only other bill still moving.

AB 288 (Levine D) Oil and gas: hydraulic fracturing. (1) Before an operator of an oil and gas well commences drilling or well stimulation (e.g. hydraulic fracturing), requires the Division of Oil, Gas, and Geothermal (DOGGR) to provide written approval; (2) within 30 days, requires DOGGR to provide written approval of a notice to commences drilling or well stimulation; and (3) amends DOGGR’s duties and the state’s general policy related to oil and gas drilling. Failed on Assembly floor 25-34.

AB 649 (Nazarian D) Oil and gas: hydraulic fracturing. Would define “hydraulic fracturing” in oil and gas operations and would prohibit hydraulic fracturing, as well as the use of clean freshwater for purposes of hydraulic fracturing, on any oil or gas well, if the well is located within 4,000 feet from a home, public building, school, surface waters, underground source of drinking water, or any other sensitive human or environmental resource in the state from an aquifer, until the completion of a report, as specified, and a determination is made that hydraulic fracturing can be conducted without a risk to the public health, welfare, environment, or the economy of the state. This bill contains other related provisions and other existing laws. Held in Assembly Appropriations because of State administrative costs and lost State revenue from exploration on State lands.

AB 669 (Stone D) Oil and gas: drilling. (1) Prior to the approval of the commencement of any oil and gas drilling, redrilling, or deepening of a well, requires the operator of the well to submit written proof to the Division of Oil, Gas, and Geothermal Resources (DOGGR) that the applicable regional water quality control board has approved the disposal method and location of disposal of the wastewater for the well; and (2) requires specific information from DOGGR and the owner of an oil and gas, including information related to wastewater. Failed on Assembly floor 32-32.

AB 982 (Williams D) Oil and gas: hydraulic fracturing. As part of any notice of intent to drill, rework, or deepen an oil and gas well where hydraulic fracturing will occur, requires the operator of an oil and gas well to (1) provide a groundwater monitoring plan for review

and approval by the Division of Oil, Gas, and Geothermal Resources (DOGGR) and the appropriate regional water quality control board and (2) provide information related to the source, quantity, and disposal of water used in the hydraulic fracturing operations. Held in Assembly Appropriations committee because of increased special fund costs to the State Water Resources Control Board and regional boards in the range of \$2 million for one-time and annual ongoing review and processing.

AB 1301 (Bloom D) Oil and gas: hydraulic fracturing. Prohibits hydraulic fracturing operations until the Legislature enacts subsequent legislation that determines whether and under what conditions hydraulic fracturing may be conducted while protecting the public health and safety and the natural resources of the state. Held in Assembly Appropriations committee because of potential delay in state revenues of up to \$9 million due to the inability to use hydraulic fracturing on tidelands oil wells owned by the state while the regulations are being developed; and estimated special fund costs to DOGGR and other state agencies to implement this bill are over \$800,000 one-time and \$700,000 on-going costs for increased regulation and enforcement duties.

AB 1323 (Mitchell D) Oil and gas: hydraulic fracturing. Would define “hydraulic fracturing” in oil and gas operations and would prohibit hydraulic fracturing until the date that regulations adopted by the Division of Oil, Gas, and Geothermal Resources regulating hydraulic fracturing take effect. Because a violation of this prohibition is a crime, this bill would impose a state-mandated local program. Although the bill was modified to remove the requirement for a scientific study of fracking, the Assembly failed to pass the bill 24-37.

SB 4 (Pavley D) Oil and gas: hydraulic fracturing. This bill requires the Division of Oil, Gas, and Geothermal Resources (DOGGR) to regulate hydraulic fracturing and to perform numerous responsibilities associated with this regulatory duty. Passed on a party-line vote (28-11) in the Senate, the bill is awaiting committee assignment in the Assembly.

SB 395 (Jackson D) Hazardous waste: wells. Would delete the exclusion of regulated wells from the definition of “injection well,” thereby subjecting those wells to the requirements imposed upon injection wells. The bill would also require a generator of produced water to test the produced water in order to determine whether it is hazardous waste within the meaning of specified provisions. While SB 395 made it to the floor of the Senate, Jackson did not seek final Senate passage – possibly conceding to Senator Pavley.

Governor Brown fills two Vacancies on BPELSG

Diane Hamwi, 47, of Los Angeles, has been appointed to the California Board for Professional Engineers, Land Surveyors and Geologists. Hamwi has been principal and owner at DCH Advisors Inc. since 2008. She was director of development and marketing at EMILY’s List from 2010 to 2011, western states finance director at Hillary Clinton for President from 2007 to 2008 and national finance director at Jon Tester for Senate in 2006. Hamwi was an independent political consultant from 2003 to 2008, Southern California finance

director for the Governor Gray Davis Reelection Campaign from 2001 to 2002 and interim director at the Governor's Office on Service and Volunteerism in 2000. She served as a policy analyst at the Governor's Office of Planning and Research from 1999 to 2000 and was a fundraiser at Jane Harman for Governor in 1998. Hamwi was an account executive at Rogers and Associates from 1997 to 1998 and special assistant to the state director of the Clinton-Gore Coordinated Campaign in California from 1995 to 1996. Hamwi earned a Master of Public Administration degree from George Washington University. This position does not require Senate confirmation and the compensation is \$100 per diem. Hamwi is a Democrat.

Coby King, 52, of West Hills, was also appointed to the BPELSG. King has been a public affairs executive at Ek and Ek since 2012. He was senior vice president for California corporate and public affairs at the MWW Group from 2008 to 2012, president and chief executive officer at Coby King Communications from 1999 to 2008 and vice president, public affairs at Rogers and Associates from 1997 to 1999. King was an attorney at Manatt Phelps and Phillips LLP from 1995 to 1997, legal counsel at the California State Board of Equalization from 1993 to 1995 and an attorney at Skadden Arps Slate Meagher and Flom LLP from 1991 to 1993. King earned a Juris Doctorate degree from Georgetown University Law Center. King is a Democrat.

Other Governors' Appointments

To CA Air Resources Board: **John Gioia**, 55, Richmond, Democrat, Supervisor, Contra Costa County, first vice president of the CA State Assn. of Counties, and chair of the Bay Area Joint Policy Committee; **Judith Mitchell**, 71, Rolling Hills Estates, Democrat, attorney and member of the Rolling Hills Estates City Council.

To San Francisco Bay Conservation and Development Commission: **Alexander Zwissler**, 56, Fairfax, Democrat, executive director and chief executive officer at the Chabot Space and Science Center.

Recent Reports

The Public Policy Institute of California has released its report, "Stress Relief: Prescriptions for a Healthier Delta Ecosystem," outlines steps the state can take to improve the health of ecosystem, say both the Delta Plan and the Bay Delta Conservation Plan are "promising," but offer "only limited guidance on addressing future challenges such as climate change."

California Public Policy Center has released its study, "Calculating California's Total State and Local Government Debt," estimates the total is "between \$848 billion and \$1.1 trillion."

CA Business Roundtable and Pepperdine University School of Public Policy have released first round of results of their 2013 statewide survey on issues affecting CA business climate and jobs, findings include: 37.8% of voters say global warming is a "serious threat" and 33.2% see it as a "moderate threat."

UC Davis Policy Institute for Energy, Environment and the Economy releases evaluation of report on the impacts of AB 32 funded by the Western States Petroleum Association.

The Legislative Analyst's Office has released the hearing handout Overview of Invasive Species Management in California, presented to the Senate Agriculture Subcommittee on Invasive Species.

The Legislative Analyst's Office has released its hearing handout, "The Safe Drinking Water State Revolving Fund and Drinking Water Program Governance," which was presented to the Senate Environmental Quality Committee.

The Legislative Analyst's Office releases report, "The 2013-14 Budget: Overview of the May Revision," findings include Governor's budget revenue predictions are low, "forecast now is \$3.2 billion higher than the administration's May Revision total for 2011-12, 2012-13, and 2013-14 combined."

The Surface Water Ambient Monitoring Program of the State Water Resources Control Board has released its first survey of sport fish contamination in California rivers and streams. Based on samples taken in 2011 from 63 locations, it found low concentrations of contaminants in majority of locations, though fish high in the food chain in Delta region showed high accumulation of methyl mercury.

Public Policy Institute of California has released its latest statewide survey of "Californians and Their Government," findings include: most Californians (61%) support Gov. Brown's revised budget proposal.

ARTICLE

Development of the Commercial Aviation Infrastructure

By Charles H. Adams, Jr., P.E., M.ASCE

The development of modern airports is a testimony to the planning, architectural and engineering professional services to the traveling public and respond to the policies of governmental representatives. Modern airports come from the civil engineering of airfields, the architecture and engineering of terminal buildings, the transportation planning for airport access, and the many other professional endeavors to provide the benefits of aviation transportation to the public. There are not many other environments that require such wide range of professional services and construction contracting applications.

Challenges to the future growth of commercial aviation will be met with newer aircraft that will operate on limited lengths of reconfigured runways and with new ways of expanding passenger volume through the confines of existing airport terminals. Civil Engineers will be here to take part in those challenges.

Editor's Note: A very comprehensive review by Charles H. Adams, Jr., P.E., M.ASCE of the history of aviation in Los Angeles is offered as a supplement to this month's newsletter. This Newsletter would not do any justice reducing such a great piece of discourse to a few paragraphs. The whole article can be found at www.ascelasection.org, under "Current Newsletter".

AES Advanced Earth Sciences, Inc.
Geotechnical and Environmental Consultants

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

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

ADVANCED ENGINEERING SOFTWARE

Software written & supported by the
AUTHORS OF THE COUNTY MANUALS

advancedengineeringsoftware.com
SD: (760) 510-5940, OC: (657) 229-0090

CREATE. ENHANCE. SUSTAIN.

AECOM
www.aecom.com

With offices throughout Southern California, we deliver expert solutions for our clients.
515 S. Flower Street, 4th Floor, Los Angeles, CA 90071
P + 1.213.330.7200

AEI-CASC CONSULTING
ENGINEERING OUR FUTURE

CIVIL ENGINEERING
PLANNING
ENVIRONMENTAL ENGINEERING
SURVEYING

CORPORATE OFFICE
1470 E. Cooley Drive
Colton, CA 92324
(909) 783-0101
Offices throughout California
www.aei-casc.com

AKEL ENGINEERING GROUP, INC.

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

amec

- Geotechnical Engineering
- Construction Materials Inspection/Testing
- Environmental Science and Engineering
- Earthquake-Related Services
- Air Toxics and Health Risk Assessment

James J Weaver PE, GE
Tel (323) 889-5300
Fax (323) 721-6700

6001 Rickenbacker Rd.
Commerce, California
USA 90040-3031
www.amec.com

Cannon
ENGINEERING-PLANNING-CONSTRUCTION

J. Eric Porkert, PE
General Manager and Senior Principal Engineer

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

310 DBA 1166
www.CannonCorp.us

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

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) 862-8833 (760) 736-8222

EARTH SYSTEMS

Geotechnical Engineering
Engineering Geology
Environmental Consulting
Materials Testing & Inspections

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

GENTERRA Consultants, Inc.

Joseph J. Kulikowski, P.E., G.E.
President and Senior Principal Engineer

15375 Barranca Parkway, Building L
Irvine, California 92618
Tel: 949.753.8766 Fax: 949.753.8887
joekul@genterra.com
www.genterra.com

CIVIL ENGINEERING • GEOTECHNICAL ENGINEERING • DAMS AND LEVEES
OFFICES IN NO. & S.O. CALIFORNIA, COLORADO AND PENNSYLVANIA
SERVICES PROVIDED NATIONWIDE

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

GPI 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

GREGG 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

GROUP DELTA CONSULTANTS

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

gsi Geotechnical Stabilization, Inc.

Amer R. Al-Alusi, P.E.
President
alusi@gsigrout.com

Chemical Grouting Compaction Grouting
PressGrout Piles Lense Grouting

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

Hall & Foreman, Inc.
Engineering • Planning • Surveying

800.544.2114
www.hfinc.com

Offices throughout Southern California including Tustin,
Santa Clarita, Temecula & Victorville

HDR ONE COMPANY | Many Solutions™

SERVICES:
Water/Wastewater • Transportation
Environmental • Construction Management

801 So. Grand Avenue, Suite 500, Los Angeles, CA 90017
213.239.5800 www.hdrinc.com

Kiewit

KIEWIT INFRASTRUCTURE WEST CO.
10704 Shoemaker Ave., Santa Fe Springs, CA 90670
(562) 946-1818
www.kiewit.com

KRIEGER & STEWART INCORPORATED

- WATER
- WASTEWATER
- RECYCLED WATER
- STORM WATER

ENGINEERING CONSULTANTS

Riverside, CA • (951) 684-6
www.kriegerandstewart.cc

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

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@labbellmarvin.com
www.labbellmarvin.com

Leighton Consulting, Inc.

866-LEIGHTON
Thomas C. Benson, Jr., PE, GE, REA | President and CEO
www.leightongroup.com

Geotechnical | Environmental | Testing and Inspection

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.mga1.com

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

Transportation
Water Resources
Government Services

MNS ENGINEERS INC

SANTA BARBARA | BULLTON | MONTEREY | SAN LUIS OBISPO | VANDERBEG AFB | WESTLAKE VILLAGE
mnsengineers.com

THE MOOTE GROUP
Land Development Solutions
Integrity • Accuracy • Experience

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

Office: 714-751-5557
1516 Brookhollow Drive
Santa Ana, CA 92705
Contact: Marj Krillier, President - mkrillier@moote.com or
Mike McGovern, PE, FASCE - mmcgovern@moote.com
Paul A. Moote & Associates, Inc. www.moote.com

NMG
Geotechnical, Inc.

Hayim Ninyo
Ted Miyake

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

PACE
Advanced Water Engineering

ADVANCED WATER ENGINEERING
...in partnership with nature

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

WWW.PACEWATER.COM
HEADQUARTERS
17520 Newhope Street, Suite 200 | Fountain Valley, California 92708
main: 714.481.7200 fax: 714.481.7299
ADDITIONAL LOCATIONS:
PHOENIX, AZ • BEIJING, CHINA • CAIRO, EGYPT • MOSCOW, RUSSIA

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) 981-0706
Santa Maria Office
(805) 925-2345
Lancaster Office
(661) 949-6676

Port of LONG BEACH
The Green Port

925 Harbor Plaza
Long Beach, CA 90802
562-283-7000
www.POLB.com

Site Development Services
Surveying and Mapping
Renewable Energy
Water & Wastewater Infrastructure
Program/Construction Management
Environmental Consulting

California | Arizona | Utah
www.Psomas.com

PSOMAS

RBF
A Smart Company

Creating value by delivering
innovative and sustainable solutions for
infrastructure and the environment.

Planning & Urban Design
Transportation & Traffic
Land Development
Water Resources

Structures
Survey & Mapping
Public Works
Surface Water

www.rbf.com • www.mbakercorp.com • 800.479.3808

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

rrmdesigngroup 

creating environments people enjoy®

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

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

URS
www.urscorp.com

Richard Hart, P.E.
URS Corporation
2020 East First St., Ste. 400
Santa Ana, CA 92705
Tel: 714.835.6886
Fax: 714.667.7147

Shahram Vahdat, P.E.
URS Corporation
915 Wilshire Blvd., Ste. 700
Los Angeles, CA 90017
Tel: 213.996.2200
Fax: 213.996.2374

www.vaconsultinginc.com

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

 **WALLACE GROUP®**

DEDICATION TO SERVICE™

CIVIL AND TRANSPORTATION
ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING/GIS SOLUTIONS
WATER RESOURCES

805 544-4011
www.wallacegroup.us

Reminder:

Copy deadline for the July 2013 issue is June 1, 2013; copy deadline for the August 2013 issue is July 1, 2013.

MATERIALS SUBMISSION INFORMATION

All graphic materials submitted for use in the ASCE newsletter should have all fonts outlined, and links included; EPS or PDF files preferred. Other formats are Adobe InDesign or Adobe Illustrator (any version); additional acceptable file formats are JPEG or TIFF files (minimum 300 dpi). Images embedded in Microsoft Word documents should be sent separately, at a minimum resolution of 300 dpi at the display size desired. Collected files, including links and fonts, should be compressed and e-mailed, or sent on CD or Zip disk (provide return address). Business cards can be submitted electronically as well, or send clean, crisp, B&W laser print, unfolded. This publication's size is 8½" × 11".

 **History & Heritage**

Celebrating the 100th Anniversary
of the Los Angeles Section



IRVINE INSTITUTE
OF TECHNOLOGY IN COLLABORATION WITH



SIGN UP & RECEIVE:

- Masters level credit
- Instruction from experts and scholars in their field
- A comprehensive and fast moving learning experience that will prepare you for the SE-V & SE-L
- IIT guarantee pass on the exam on the first attempt

REGISTER TODAY!!

Over 25,000 engineers
have already taken
these seminars!

www.irvine-institute.org

10% DISCOUNT
OFFERED FOR
SEAO MEMBERS!

SE License Examination Seminars

LIVE IN IRVINE, CA
WEBCAST LIVE WORLDWIDE ONLINE

2013 Summer Session- Course Schedule

- SE 500 Structural Analysis- \$295-June 1,2
- SE 501 ASCE Specifications- \$295-June 8,9
- SE 502 Current Codes in Concrete Design- \$295-June 15,16
- SE 503 Current Codes in Steel Design- \$295-July 13,14
- SE 504 Current Codes in Timber Structures-\$295-June 29-30
- SE 505 Current Codes in Masonry and Tilt up Structures- \$295-June 22,23
- SE 506 Current Codes in Bridge Structures-\$295-July 20-21

Los Angeles Section
Monthly: Est. 1913
1405 WARNER AVE.
SUITE B
TUSTIN, CA 92780

NON-PROFIT
U.S. POSTAGE
PAID
PERMIT NO. 1441
SANTA ANA, CA

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.**

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@alumni.ucla.edu
Typesetting, Layout & Printing: Apollo Printing & Graphics



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 Gayle Stewart at (714) 258-8306
or gstewart@associationplanet.com

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