As one year is winding down, another year is starting. We are winding down our calendar year heading into the holidays. We are also starting our ASCE fiscal year, October to September. We started off our first month of the year, October, with a joint meeting with the California Land Surveyors Association (CLSA). Earlier this year, we had a joint golfing fundraiser with CLSA for our student scholarship program. October’s meeting served as a great follow up with our fellow professionals with Peter Ford presenting on Hydrographic Surveying. In November, we will be having another joint meeting with APWA, see the meeting announcement on page 3.

This is November and it is an election year. I do not believe the President’s Message should be a political forum. However, I do encourage everyone to participate and vote. Voting is a freedom many countries do not share with us.

I want to encourage all of our members to visit our ASCE Branch website at http://www.asce-sbriv.org/. This is a valuable resource available to Branch members. Our website provides general information about current ASCE events, Branch Committees, past newsletters, and access to other ASCE related links.

As we approach the holidays it is a time to be with our family and friends. As such our Branch will be dark in the month of December. We will resume our newsletter and general membership meetings in January. The holidays are a time to reflect and count our blessings and to express and show our gratitude, so I want to take this opportunity to extend my appreciation to all of you, the members of our Branch, for your ongoing support and participation in our different events, programs and meetings. Thank you for helping to make this year a wonderful and successful one. With all of this positive energy, we are looking forward to a great year ahead.

Sincerely,
Matthew Addington
The Bidwell Bar Bridge, in Oroville, California, refers to two suspension bridges which cross different parts of Lake Oroville. The original Bidwell Bar Bridge was the first steel suspension bridge in California, originally crossing the Feather River just upstream from the current bridge, but approximately 600 feet lower in elevation. The $35,000, 240-foot long original bridge was completed in December 1855, and was built of materials transported from Troy, New York via Cape Horn. Most of the money was put up by a Judge Joseph Lewis, a Virginian who moved to Bidwell’s Bar in 1849. The bridge is the only one of several suspension bridges built in the area in the 1850s that still remains. It remained open to vehicle traffic until 1954.

Construction of the Oroville Dam flooded the canyon where the Feather River ran as well as the town of Bidwell’s Bar, and preservationists arranged for the relocation of the bridge in 1966 to the south side of the lake, where it is still open to foot traffic. Its original site is now inundated by the lake. Additional supports were added beneath the suspended span. The original toll house was also rebuilt. Unless the reservoir is at its full pool elevation of 900 feet (274 meters), the structure crosses little more than a patch of dirt and grass; but whether it’s crossing dry land or water, a visit to this 150+ year old classic is a must for any bridge fan.

A replacement bridge was constructed in 1967 and is 1,108 feet long. The bridge is built a mile and a half upstream from its original location. At the time, it was one of the highest suspension bridges in the world (627 ft. / 190 m above the original streambed), but with the creation of the lake, the bridge now sits just above the water level. The bridge is signed as part of State Route 162.

The original bridge is registered as California Historical Landmark and it has been declared a Historic Civil Engineering Landmark by the American Society of Civil Engineers. The Mother Orange Tree, the first orange tree in Northern California (purchased by Judge Lewis), is located near the California landmark commemorative plaque.
Dr. Raymond Wolfe is the Executive Director of San Bernardino Associated Governments (SANBAG), the Council of Governments and Transportation Authority for San Bernardino County. He joined SANBAG in April, 2012, after spending more than 20 years with Caltrans, the California Department of Transportation. For the past 3½ years, Dr. Wolfe has been Director of Caltrans’ District 8, which serves both San Bernardino and Riverside Counties.

As the Executive Director of SANBAG, he manages a Budget of $716 Million for the current Fiscal Year 2011-2012. Funds are used to assist in development of regional transportation policies, plan, design, and build freeway improvements, bridges, and railroad crossings, operate and expand commuter rail and transit services countywide, manage air quality programs and freeway service patrol, implement alternative fuel and energy programs, and advocate for countywide interests at State and Federal levels.

Date: Thursday, November 8, 2012
Time: 11:30am to 1:00pm
Location: Canyon Crest Country Club
975 Country Club Drive
Riverside, CA 92507
Cost: $25 members w/ RSVP
$30 non-members or no RSVP
$15 students
Deadline: Please reserve by October 31, 2012
Additional Info: Matthew Addington, P.E.
matthew.addington@cityofrc.us
(909) 477-2710
Friday & Saturday, February 8th 9:00 am - 3:00 pm & 9th 9:00 am - 1:00 pm

the western trade show
and educational conference
for landscape architects, specifiers
and design/build professionals

Introducing the All-Star Educational Conference Presentation Team . . .
The Clean Water Act turns 40

The Clean Water Act, landmark legislation that established many of the modern regulations intended to protect water quality, turned 40 years old in October. The impetus for the bill, enacted in 1972, was an incident in 1969 where the Cuyahoga River in Cleveland, Ohio caught fire due to the high level of pollutants found in its waters.

ASCE President-Elect Greg DiLoreto wrote an Op-Ed in The Hill marking the passage of the Clean Water Act and the importance of current standards in water quality and the need to invest in infrastructure aimed at improving sustainability.

To read the Op-Ed, click here.
On October 6, 2012, members of your Board of Directors of the Riverside / San Bernardino Branch attended the Annual Meeting, Installation of Officers, and Awards Luncheon of the Los Angeles Section. Your local President, Matthew Addington, was installed as a Director of the Los Angeles Branch. The Branch President is Michael Thornton, President of TKE Engineering and Planning, Inc. of Riverside. With over 130 ASCE members in attendance, the event kicked off the Centennial Celebration of the Los Angeles Section with a bang.

Ten individual awards were presented; Outstanding Civil Engineer in Private Sector and Government, Younger Civil Engineer, Faculty Advisor, Practitioner Advisor, Legislative Activities, Community Service, among others. Additionally, four outstanding project awards were presented in various categories. Two local projects received an honorable mention were the Low Impact Development Testing and Demo Facility at the Riverside County Flood Control and Water Conservation District and the Magnolia Avenue Underpass in Riverside.

The keynote speaker of the afternoon was California State Senator Bill Emmerson, representing the 37th district in Riverside County. Mr. Emmerson addressed the State’s economy, current infrastructure conditions, and the need for infrastructure investment.

Steven Ledbetter
Newsletter Editor
Bay Bridge Tour and Dodgers vs. Giants Game

By: Julianna Gonzalez

All Aboard!!!! The trip was planned for one reason to see the Dodgers kill the Giants at home no wait to get a tour of the Bay Bridge during construction. Ok, even though we all love a good technical tour, we enjoy networking with our fellow engineers at a baseball game as well. When organizing the event I contacted the Bay Bridge coordinators (thank you Jinny for the contact) while looking at the Dodgers schedule. We scheduled the tour with the Bay Bridge Seismic Safety Projects Public information office for Friday September 7 at 12:30AM, same day that the Dodgers were playing the Giants in San Francisco. Engineering and a baseball game, it was perfect!

Victor Gauthier, the Community Associate broke us up into two groups. One saw the presentation first and then headed out on the boat and vice versa. The presentation was great! We learned that the Self-Anchored Suspension Span has one main cable. The nearly one mile long cable is the longest loop suspension cable in any bridge. The cable has 137 strands with each comprised with 127 steel wires. We also learned that many seismic innovations and enhancements were added to the new design. On the West Span of the Bay Bridge, crews installed 96 viscous dampers that act like shock absorbers to isolate, absorb and diffuse seismic energy. The Skyway includes hinge pipe beams which are designed to move within their sleeves during expansion and contraction of the decks during minor events like temperature change and major events like earthquakes. After the presentation we headed onto a boat for a tour of the actual bridge. We were able to see the new and old bridge from a view that not many people get to see. There was so much to see and so much to learn!

After the tour we headed to the game. The tour consisted of 20 Fresno-YMF members, 10 LA-YMF members and 10 SB/Riv members so the jerseys worn for the game were pretty evenly split. 20 Giants fans and 20 Dodger fans! The stadium was beautiful, even though we had not all acclimated to the chilly San Francisco weather. The game turned out to be a lot of fun. The Dodgers were winning 1-0 and then the Giants came back 1-1. They went back and forth all night which allowed for great rivalry talk and kept everyone on the edge of their seats…unfortunately for me the Dodgers ended up losing the game but still made for a great game. Can’t wait to plan another event this upcoming year!
Brain Zuckerman with Berkel and Company presented a lecture on the design and construction of Auger Pressure Grouted (APG) and Auger Pressure Grouted Displacement (APGD) piles. He demonstrated through video clips the installation procedures and the methods of construction for both types of piles. He noted that the APG method of pile construction includes the removal of a significant amount of spoil material that must be removed from a site prior to grouting and installation of the reinforcement cage. Auger cast piles are constructed by grouting the pile before the installation of any reinforcement and therefore the reinforcement is placed in the wet. He demonstrated in the video the installation of a reinforcement cage into a grouted pile, showing that the cage should slowly sink under its own weight if the grout is of the proper consistency. He also explained that the APGD piles involve the installation of the auger and grout in such a manner that no spoil soils are created thus making it much cleaner and more environmentally friendly by reducing soils that must be disposed of offsite. He showed that the APG piles could be installed up to about 150 feet in depth. The new control tower at the San Francisco airport was shown as a recent example for construction of such deep piles.

Mr. Zuckerman also discussed the quality control procedures undertaken to verify the proper installation of APG and APGD piles. The primary control of the operation is through the use of computer monitoring equipment that can control the grout flow and warn the operator if the auger is withdrawn too fast and not enough grout is pumped into each zone. The computer can also simultaneously provide monitoring information to the inspector who is observing the pile operation. A complete record of the grout volumes placed at each depth of the pile is therefore made and retained for record purposes. He also discussed the conduction of full scale load testing on the APG and APGD piles. He showed load test data from a recent test at the new football stadium in San Francisco that tested the piles up to a load of about 2100 kips.
"Sometimes low bidder just isn't the way to go..."

"Who checked the references on Bobby?"

When did you say they would have our resumes printed?

"...and on that estimate, the calculator misplaced the decimal."
General Meeting and Technical Tour

Topic: Lessons learned while constructing LEED/Sustainable Projects
Tour: Ontario City Hall, a LEED Gold Certified Project

Speakers: David Simpson and Kimberly Ruddins
City of Ontario

David Simpson MPA: Mr. Simpson has over 20 years in municipal experience. During which, he has held a variety of positions coordinating all phases of land development. Currently as the City’s Development Manager, he works with and coordinates the activities of the Building, Planning and Engineering Departments on major projects and programs for the City.

Kimberly Ruddins AICP, CNU – Ms. Ruddins has over 25 years of experience in land development and environmental field. As the Sustainability Program Manager for the City of Ontario, Ms. Ruddins is responsible for developing a wide range of sustainable programs through the development of both a Municipal and Community Climate Action Plans.

Date: Wednesday, December 12, 2012
Time: 6:00 P.M. - 8:00 P.M.
Location: City of Ontario City Hall
            Community Conference Room 1 and 2
            303 East B Street
            Ontario, CA 91764
Cost: Free! (Pizza and drinks will be provided)
Deadline: Please reserve your spot by November 29, 2012 as we have limited space available

Additional Info: Julianna Gonzalez: juliannagonzalez@rcflood.org
RBF Consulting’s Bill Green to Receive
National Community Service Award

TEMECULA, Calif. — October 3, 2012 — William (Bill) Green, senior vice president and regional manager at RBF Consulting (RBF), a Company of Michael Baker Corporation (NYSE MKT:BKR), in Temecula, Calif., will be presented a 2012 Community Service Award from the American Council of Engineering Companies (ACEC) at the upcoming ACEC Fall Conference in Boca Raton, Fla., on October 16.

The award recognizes a principal or manager of an ACEC member firm who has made outstanding contributions to the quality of life in his or her community.

“It is an honor to have one of our RBF leaders as the recipient of this National Community Service Award,” indicated Jim McDonald, Co-CEO of RBF. “Bill has dedicated much of his life and his time to community involvement and service at all levels. The honor well-deserved and we thank ACEC for their recognition of his dedication and leadership.”

Green has a 30-year-long record of exemplary community involvement in the Temecula area. He has served in leadership positions with the Temecula Valley Chamber Economic Development Committee, the National Exchange Club of Rancho/Temecula, and the Temecula Rotary Club. An Eagle Scout himself, Green also has been both a Cub and Scoutmaster, and is currently an executive board member for the California Empire Boy Scouts of America. He also is a manager of a youth hockey team.

He was appointed by former Governor Arnold Schwarzenegger to the California Water Quality Control Board, and has been recognized by the California State Senate and the California State Assembly for his honesty, integrity, professionalism and leadership. Green also is a veteran in the California Air National Guard.

The American Council of Engineering Companies (ACEC) is the business association of America’s engineering industry, representing more than 5,000 independent engineering companies throughout the United States engaged in the development of America’s transportation, environmental, industrial, and other infrastructure. Founded in 1909 and headquartered in Washington, D.C., ACEC is a national federation of 51 state and regional organizations.

RBF Consulting (www.rbf.com), a Company of Michael Baker Corporation (www.mbakercorp.com), provides engineering, design, planning and construction services for complex and challenging projects worldwide. With more than 3,000 employees in over 100 offices across the United States, the company is focused on creating value by delivering innovative and sustainable solutions for infrastructure and the environment.
This Seminar is Designed to

- Promote the proper use and understanding of the Greenbook
- Highlight and discuss the various general provisions, their relationship to the Public Contract Code and their implementation during contract administration
- Address the use of the Greenbook as the Standard Specifications for most public works projects through proper preparation of complementary special provisions.

Instructors

- **Erik Updyke** - Los Angeles County Public Works
- **Dave Badgley** - Sancon Engineering, Inc.
- **Nelson Nelson** - City of Corona
- **Rob Elderton** – Metropolitan Water District (retired)
- **Jim St. Martin** – California Asphalt Pavement Association
- **Jon Ganz** – County Sanitation Districts of Los Angeles County

**FIRST COME, FIRST SERVED - LIMITED TO 50 ATTENDEES**

Registration Cost: $90.00 per person. Continental breakfast and lunch included.
$110.00 per person if reservations are made after November 22, 2012
Registration fee must be received prior to event.

ONLY business or personal checks accepted – NO CREDIT CARDS ACCEPTED

Name of Attendees: ____________________________________________________________________________________
____________________________________________________________________________________
Total Number Attending: ___________________________ Amount Enclosed:  $_______________________________________
Contact Name: _______________________________  Contact Phone Number: ________________________________________
Contact Email:      __________________________________________________________________________________ __________
Make Checks Payable to:  APWA
Send Reservations & Payment to: City of Riverside
Attention: Ms. Rachele Barton
3900 Main Street, 4th Floor
Riverside, CA  92522
Email: rbarton@riversideca.gov
Fax:  951.826.2046
Available space

Please see contact information below to have your companies business card displayed here.


**Membership Information**

Type of Membership and Annual Dues (National)

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Section (Branch) Dues: $45/year

1. National ASCE Student Membership is now FREE! Those who have chapters or clubs still must be a member of them before joining National. Log onto https://www.asce.org/online/ fill out the short application and instantly become a member of ASCE or call 1-800-548-ASCE (2723)

2. Online Membership renewal available, go to https://www.asce.org/renewal/inforenewal.cfm. You need your membership number, all payments must be made with a major credit card. An e-receipt is transmitted to the member upon completion of the transaction.

**NEWSLETTER INFORMATION**

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