

ASCE

AMERICAN SOCIETY OF CIVIL ENGINEERS SAN BERNARDINO & RIVERSIDE COUNTIES BRANCH LOS ANGELES SECTION , REGION 9-SINCE 1953

PRESIDENTS MESSAGE

September 2013



“Surround yourself with people who are better than you and you will become better yourself”. This applies not only to an individual, but also to your local ASCE Branch. This being the last newsletter of the 2012-2013 year there is no better time than now to thank the Board for continuing to carry the banner of leadership that helps to promote our Profession. This year’s Board was comprised of many young engineers with great ideas and lots of energy to get the job done along with a couple of seasoned engineers who enjoyed keeping up. I want to point out that most of this year’s Board is from the Younger Member Forum (YMF) group. This is a first in the Branch’s history and has been a great asset to have the YMF group to want to participate on the Board.

First I want to thank your incoming President, Edwin Quinonez. Edwin has brought strong leadership to your Branch and never shied away from a task to make the branch better during the 5-years he has served on the Board. A thank you must also go to the Riverside County Flood Control and Water Conservation District for supporting Edwin’s commitment to the Branch. Your incoming President-Elect, Brandon Reyes, is a leader who says what is on his mind and truly understands budgets. Brandon made sure that all this year’s and previous year’s expenses were properly accounted for. Special thanks go to URS Corporation for supporting Brandon in his leadership efforts with your Branch. Your incoming Vice President John B. Rogers brought a wealth of knowledge and experience to the Board as this year’s Treasurer. John always shared a unique perspective with the Board in all discussions. Special thanks go to CLE Engineering, Inc. of Temecula for supporting John’s efforts on the Board. Your incoming Treasurer Steven Ledbetter is an engineer who succeeds in all his endeavors. This is Steve’s second year as co-chair for the student scholarship golf tournament and a little hard work has never stopped Steve from accomplishing his personal goals on this Board. Special thanks to TKE Engineering and Planning of Riverside for supporting Steve as an ASCE Branch officer. Your incoming Newsletter Editor Ken Cox always provided an optimistic view and great solutions to the challenges presented to the Board. Special thanks to Geocon for supporting Ken not only this year but in the years to come as he succeeds as a leader on the Board. Your incoming Secretary Michael Sampson will be serving his first year on the Board. Michael was always quick to provide his views on the agenda item discussions. Special thanks go to Webb and Associates for supporting ASCE and Michael’s efforts on the Board. Your incoming Assistant Newsletter Editor and outgoing YMF President is Julianna Gonzales. Although Julianna

Palm Islands



The Palm Islands are an artificial islands in Dubai, United Arab Emirates (UAE), off the coast in the Persian Gulf. Each settlement will be in the shape of a palm tree, topped with a crescent. The settlements will have a large number of residential, leisure and entertainment centres. The Palm Islands will add 520 kilometres of beaches to the city of Dubai. The first two islands will comprise approximately 100,000 cubic metres (3,500,000 cu ft) of rock and sand. The Palm Deira will be composed of approximately one billion cubic meters of rock and sand. All materials will be quarried in The UAE. Among the three islands, there will be over 100 luxury hotels, exclusive residential beach-side villas and apartments, marinas, water theme parks, restaurants, shopping malls, sports facilities and health spas. The creation of the Palm Jumeirah began in June 2001. Shortly after, the Palm Jebel Ali was announced and reclamation work began. The Palm Deira is planned to have a surface area of 46.35 square kilometres (17.90 sq mi) and was announced for development in October 2004. Before the impact of the global credit crunch hit Dubai, construction was originally planned to take 10–15 years. Two other artificial islands, The World and The Universe, are located between the Palm Islands. The Palm Islands are artificial islands constructed from sand dredged from the bottom of the Persian Gulf by the Belgian company, Jan De Nul and the Dutch company, Van Oord. The sand is sprayed from the dredging ships, which are guided by a Digital Global Positioning System, on to the required area in a process known as rainbowing. The process is known as rainbowing because of the rainbow-like arcs produced in the air when the sand is sprayed. The outer edge of each palm’s encircling crescent is a large rock breakwater. The breakwater of the Palm Jumeirah has over seven million tons of rock. Each rock was placed individually by a crane, signed off by a diver and given a Global Positioning System coordinate. The Jan De Nul Group started working on the

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Palm Island Continued

Palm Jebel Ali in 2002 and had finished by the end of 2006. The reclamation project for the Palm Jebel Ali includes the creation of a four-kilometer-long peninsula, protected by a 200-meter-wide, seventeen-kilometer long circular breakwater. There are 210,000,000 cubic meters of rock, sand and limestone that were reclaimed (partly originating from the Jebel Ali entrance channel dredging work). There are approximately 10,000,000 cubic meters of rocks in the Slope Protection Works.

For a more in depth story of the project please check out this video.

<http://www.youtube.com/watch?v=0BXGh0EYJtE>

Presidents Message Continued

was not a Board member but rather represented YMF at the Board meetings, she raised the level of enthusiasm of the Board with all of the planning and activities accomplished by the Younger Member Forum membership. This is also Julianna's second year as co-chair for the student scholarship golf tournament. Special thanks go to the Riverside County Flood Control and Water Conservation District for not only the support of Julianna on the ASCE Board, but to the support of all of the Younger Member Forum. And of course the out-going Past President Rita Escobar who graciously served almost two terms as President and supported the Board with all of her 7 years experience as a Board member and officer. Special thanks goes to AECOM for supporting Rita as an ASCE officer those many years.

Watch these young engineers in the next few years as they advance their leadership skills and careers within their respective companies/agencies, and as they continue to not only serve their profession but also their communities.

We also can not forget our monthly corporate sponsors who graciously allowed us to hold our monthly Board meetings at their offices; RBF a Baker Company at their Ontario office, and TKE Engineering and Planning at their Riverside office.

The Branch's success depends not just on the few Board Members/Officers but on all of its membership and the companies and agencies who support the wonderful profession of Civil Engineering. The Riverside-San Bernardino Branch has approximately 800 members with approximately 60 members participating on a regular basis. Just imagine how much greater this branch would be if you participated and the regular participants grow to over 100 members attending the meetings and other functions sponsored by the Branch.

If you have an idea for a meeting topic/speaker, or a suggestion that the Branch can do something better please let your incoming Board members know. Our ears are always open to great ideas and your Board will be happy to incorporate any feedback that you have. With your input and the energy of the incoming Board, the next fiscal year will be an even greater success than this year.

Finally, I want to say that it has been an honor and a pleasure to serve the Branch as the 2012-2013 President and I do appreciate the support of the entire membership.

Farewell and welcome and support Edwin Quinonez as your Branch President for the upcoming year.

Matthew Addington, P.E., P.L.S., C.B.O.

September Meeting

California High-Speed Train Project (CHSTP)

Michael Gillam

*Vice President, Parsons Brinckerhoff Inc.
Deputy Program Director, CHSTP*

Michael Gillam is an experienced project manager who has been involved in the planning, design, construction and management of rapid transit, railroad and high-speed ground transportation projects throughout the United States and abroad. He has extensive experience in design, project and construction management.

He is responsible for all CHSTP activities in Southern California (from Bakersfield to San Diego) as a member of the Program Management team. He manages four regional consultant teams who are responsible for all work on the environmental clearance and preliminary engineering activities for the southern half of the CHSTP.

He was on the senior management team for the Taiwan High-Speed Rail project for 6 years and then managed Parsons Brinckerhoff's high-speed rail project in mainland China (Zheng Zhou to Xi'an HSR Line) for 4 years. He spent another year in Hong Kong on high-speed rail and rail transit business development activities, a total of 11 years overseas.

Prior to his assignments abroad in Taiwan and China, he was the Area Manager for the PB-Orlando, Florida office from 1996 to 1999, responsible for all aspects of the office operation. This included business development, client relations, office management and administration, and project performance and control.

He has a BS in Civil Engineering from Purdue University and a MBA from Northwestern University's Kellogg School of Business.

Date: Thursday, September 19, 2013

Time: 6:30pm to 8:30pm

Location: Pomona Valley Mining Company
1777 Gillette Road
Pomona, California 91768

Cost: \$35 members w/ RSVP
\$40 non-members or no RSVP
\$20 students

Deadline: Please reserve by September 12, 2013

Additional Info: Matthew Addington
matthew.addington@cityofrc.us
(909) 477-2710



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CValdo Corporation has openings for **Senior Water Resources Engineers in San Diego and Riverside** with proficiency in drainage design and planning and experience in water quality/NPDES. A PE license in California and a minimum of 10 years experience are required.

CValdo offers a competitive compensation package and an excellent environment for career growth. A successful candidate must fit within an office culture where business and family share top priority, the workday is flexible enough to permit time for exercise, and teamwork is not just a slogan but a way of life. CValdo offers outstanding benefits, an optional 9/80 workweek, and is a great place to work for people who share our values. Qualified and motivated candidates please submit your resume with cover letter to CValdo Human Resources at mariehc@cvaldo.com.

Local Employment Opportunities

RBF Consulting, a company of Michael Baker Corporation, seeks a Civil Engineer III/Assistant Project Manager to join the Land Development team in the Palm Desert, CA office. To apply for this position, please log on to the following link www.mbakercorp.com/careers select "Job Search" and reference IRC 46371 in "Keywords".

RBF Consulting, a company of Michael Baker Corporation, seeks a Civil Engineer III to join the Land Development team in the Ontario, CA and Temecula, CA offices. To apply for this position, please log on to www.mbakercorp.com/careers select "Job Search" and reference IRC 46227 in "Keywords".

RELAY FOR LIFE

By: David Cortese

On June 1st 2013 the SB/R YMF joined with 45 other local teams to participate in the American Cancer Society's Relay for Life Event at Guasti Regional Park in Ontario. The event is centered around a 24 hour relay walk with booths, food, games, and ceremonies all aimed to raise awareness about cancer, celebrate those who have fought cancer, remember those lost to it, and of course fundraise for cancer research.

Participating in this event was a very rewarding and emotional experience. It seems everyone has been affected by cancer in some way, whether it is with a family member, friend, or had an experience with it themselves. It was very touching to be able to see the amount of support and sense of community which this event fostered through the course of even just one day.

I am very happy to say that this year's event was a great success. Though our team albeit small, we were 1 of 5 out of 45 teams which had a team member on the track the ENTIRE 24 hours. In doing so, our dedicated team mates were able to rack up an impressive 156 miles walked!!!! The ASCE SB/R YMF team raised a total of \$1,136 for the American Cancer Society with the support of our family, friends and coworkers. I would like to personally say thank you to everyone who supported us. Even more impressively, all of the teams together at Relay for Life raised a grand total of \$101,000!!!! We will definitely be back next year, joining the fight against cancer, because any way you look at it, **CANCER SUCKS**.

ROCK CLIMBING

By: David Cortese

On July 20th SB/R YMF members and friends met at Hangar 18 Rock Climbing Gym in Upland to learn the essentials about rock climbing and....well to **CLIMB EVERYTHING IN SIGHT!!!** No joke, over 12,000 square feet of climbing terrain! This event was just awesome and I am so happy that we had such a strong turnout, everyone had a great time.

After meeting up at the gym we started off with about an hour long hands on lesson with Hangar's friendly and knowledgeable staff that personally showed us the "ropes" about rock climbing. There was a strong emphasis on safety as they showed us how to operate a belay device, properly tie on to the rope, communicate, and check our gear as we climbed. We

then were able to get our hands on the walls and climb to our heart's content....or more appropriately until your hands were just too tired!

It was a lot of fun to get to climb with everyone and cheer them on as they scaled the walls. I think it was a great team building experience and way for fellow YMF members to meet and get to know each other. You really build a solid foundation of trust with a person when you are supporting each other 60ft up the wall! I hope this is an event that we can do again and I encourage anyone who has had even the slightest interest in giving it a try to come out with us, you will have a blast! **IT ROCKED.**



1ST ANNUAL
ASCE
 SAN BERNARDINO/RIVERSIDE BRANCH
 AND YOUNGER MEMBER FORUM
 SCHOLARSHIP GOLF TOURNAMENT

JURUPA HILLS COUNTRY CLUB
 6161 MORAGA AVE RIVERSIDE, CA 92509
SEPTEMBER 20, 2013

CHECK IN AT 11:00 AM - SHOTGUN START AT 12:45 PM
 BANQUET DINNER AND RAFFLE AT 6:00 PM
 ENTRY FEE \$100 PER PERSON - STUDENTS \$75
 FOURSOME \$400

SPONSORSHIP PACKAGES AVAILABLE

PLATINUM \$2000	GOLD \$1000	SILVER \$500
<ul style="list-style-type: none"> ▪ 3 GOLF FOURSOMES ▪ FIRST TEE BOX SPONSORSHIP, BEVERAGE CART SPONSOR ▪ LOGO ON PACKET OF GOLF TEES AND MARKERS FOR EACH PLAYER ▪ LOGO ON PROGRAM ▪ BANQUET SPONSOR 	<ul style="list-style-type: none"> ▪ 2 GOLF FOURSOMES ▪ TEE BOX SPONSORSHIP ▪ LOGO ON PROGRAM ▪ MENTION AT BANQUET 	<ul style="list-style-type: none"> ▪ 1 GOLF FOURSOME ▪ TEE BOX SPONSORSHIP ▪ LOGO ON PROGRAM

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- LONGEST DRIVE
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- PUTTING CONTEST

TOURNAMENT INFORMATION: STEVE LEDBETTER, 951-680-0440, SLEDBETTER@TKEENGINEERING.COM
 SPONSORSHIP COORDINATOR: MELISSA BARBOSA, 626-812-5173, MBARBOSA@CI.AZUSA.CA.US



Cartoons By: Rand Kruback

Greenbook Seminar

Standard Specifications for Public Works Construction



Thursday, October 24, 2013

8:00 a.m. ~ 4:00 p.m.

(7:30 a.m. Registration)

Corona City Hall

400 South Vicentia Avenue, Corona



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)

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 October 18, 2013

To make a reservation, contact Sherri Gomez via email at the address listed below.

Payments should be mailed to the address below prior to the event.

Due to space limitations, walk-ins may not be accepted.

Make Checks Payable to:

APWA

Reservation Contact Information:

Sherri Gomez
Garnet Silver Group
5198 Arlington Avenue #181
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Please see contact information below to have your companies business card displayed here.

If you'd like to have your business card or company information listed in the Professional Directory, Please Contact: The Branch Treasurer, John B. Rogers at 951.698.1830, or email at jrogers@cleengineering.com

# September 2013

- September 19 Branch Joint Dinner with CLSA at the Pomona Valley Mining Company in Pomona
- September 20 Branch 1st Annual Scholarship Golf Tournament at the Jurupa Hills Country Club in Riverside.
- October 5 Section Annual Meeting at Caspian Restaurant, Irvine, CA

## Membership Information

Type of Membership and Annual Dues (National)

|                               |                                                                                                              |
|-------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Students:</b>              | Free                                                                                                         |
| <b>Associate Member:</b>      | \$50 year of baccalaureate Degree and first year after, Then incremental increases to \$205 over five years. |
| <b>Member:</b>                | \$205 annually                                                                                               |
| <b>Affiliate:</b>             | \$205 annually                                                                                               |
| <b>Section (Branch) Dues:</b> | \$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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### Advertising Rates

Approximate number of mailings: 800 / mo.

|                                   |       |
|-----------------------------------|-------|
| Professional Directory            | \$250 |
| Per Business Card (10 issues)     |       |
| Display Ads Full Page (per issue) | \$235 |
| 1/2 Page (per issue)              | \$125 |
| 1/4 Page (per issue)              | \$75  |



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### Advertising Information:

To place ads, contact the editor. Payments are due 30 days from the date of Publication. Copies must be received by the Editor by the third Thursday of the month prior to publishing.

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