

ASCE

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

PRESIDENT'S MESSAGE

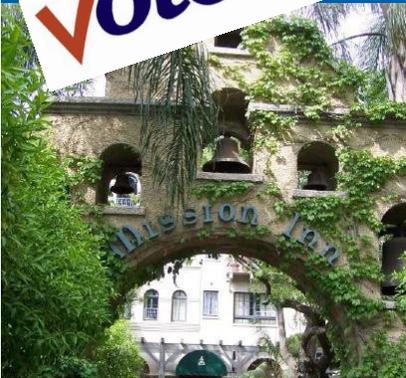
Brandon Reyes, P.E.



Dear Membership,

Normally, this message is here to remind you of all the cool stuff we have going on, but I'll let the rest of the newsletter do that. I like switching things up, so I thought I'd take a shot at inspiration this month.

Do you remember how you got into this profession? We all have a similar story; we could draw, excelled at math and took things apart just to put them back together again.



At a young age you knew what an architect, a doctor or a scientist did, but somehow it took a little longer to hear those two words for the first time, CIVIL ENGINEER. For me, it was freshman orientation at Cal Poly Pomona (the better Cal Poly) and while I had a plan to be a fancy architect, someone with some common sense stepped in and said "Architecture, really? You sure? Why don't you check out civil engineering?" I couldn't remember who told me that if I bumped into them at the store, but am I glad I listened. And now, years later, I have a career to show for it. The thing is, not often do I get a chance to appreciate what it is that our profession brings to the world and how proud I am that I chose to be a civil engineer.

In October, I had the pleasure of attending the annual ASCE conference, which was held in Panama to coincide with the 100th year anniversary of the opening of the Panama Canal. The conference took place at the Riu Plaza in downtown, which is where the majority of the attendees stayed. While the conference itself had many great meetings and networking opportunities, nothing compared to the tours of the canal. ASCE did a wonderful job of offering various tours of the canal throughout the week, I was able to go see the construction of the 3rd set of locks as well as the Miraflores locks, both of which are on the Pacific Ocean side.

...CONTINUED ON PAGE 4

November 2014

NEWSLETTER



Palm Springs Aerial Tramway

In 1935 Francis Crocker, a young electrical engineer and manager of the California Electric Power Company was on a trip to Banning, California with Carl Barkow newspaper publisher and owner of The Desert Sun. The heat of the day and a yearning for cooler climate took Crocker’s gaze to the snow-capped 10,834 feet high peak of Mount San Jacinto. It was during this moment that the dream of building an aerial tram up the face of the mountain was born.

At first Crocker’s dream was considered foolish and preposterous. He eventually gained local support and was able to enlist the aid of desert pioneer and co-manager of the famed Palm Springs Desert Inn, O. Earl Coffman and the dream became a plan.

The outbreak of World War II and later the Korean War caused disappointing setbacks and the plans were shelved. However, in 1945 Governor Earl Warren signed the measure creating the Mount San Jacinto Winter Park Authority. Coffman was named the Authority’s first chairman and Crocker its first Secretary. Private bonds totaling \$8.15 million were sold to fund the construction and not one cent of public funds was used.

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Design-Build A Project Delivery Alternative

At the newly renovated Riverside Convention Center, we will be hosting a presentation by Andrew Holmquist, a Design-Build Manager at Skanska Civil West.



Skanska is a heavy civil, building construction and development firm that anchors its belief in creating together. Emphasizing "why" it is important to understand your industry and "what" is meaningful to measure about your market; Andrew will outline Skanska's view of how traditional contractors compare with the present and future of the alternative delivery, and what the key challenges are in project delivery. He will also describe Skanska's principles towards mitigating risks, and their approach towards learning about project's impact to the public. Finally, he will explain how contractors and customers can develop a win-win scenario that delivers an upgrade to our aging infrastructure and value to the tax payers.



Date: Wednesday, November 19, 2014

(MUST RSVP BY 11/14/14)

Time: 11:30 AM – 1:00 PM

Location: Riverside Convention Center (Meeting Room 5)
3637 5th St, Riverside, CA 92501

Cost: \$25 Member, \$30 Non-Member, \$10 Student

Additional Info: Brandon Reyes, (951) 532-4510

brandon.reyes@urs.com



President's Message

...CONTINUED from PAGE 1

The enormous size and scale of the locks was breathtaking in person. To think our engineering forefathers cut an ocean path through land is just remarkable. I took plenty of photos and learned plenty of history, but something else happened on those tours. The canal showed me in person, the impact of civil engineering. It's a perfect representation of what civil engineering is: something was designed and built to benefit others and stand the tests of time, nature and people.

We don't design fancy skyscrapers or send people into space. We're not the minds behind that new phone that everyone online is talking about. We don't get on the nightly news for pulling people out of burning buildings or catching bad guys. We may not get the acclaim that all of those people deservedly receive, and that's ok.

Quietly, we're the ones that create the infrastructure that makes all of those things happen. Water comes out of the tap because of us. Traffic signals don't all turn green at the same time because of us. Bridges close gaps because of us. Storms are managed because of us. Society moves forward because of us.



Panama Canal at Miraflores



This Month in Engineering

...CONTINUED from PAGE 2

Construction of the Tramway began in July 1961. Only the first tower which stands the tallest at approximately 227 feet can be reached by road. The remaining four towers were constructed on such a steep slope that it was impossible to build roads for construction and helicopters had to fly some 23,000 missions in 26 months hauling men and materials.

Construction of the Palm Springs Aerial Tramway was considered an engineering challenge and was designated a "Local Historic Civil Engineering Landmark" by the San Bernardino – Riverside Branch and Los Angeles Section in 1980 due to its unprecedented use of helicopters in the erection of its towers and Mountain Station.

The Tramway was completed in 1963 and the inaugural ride occurred on September 12 of that year. In 2000 with the construction and installation of new cars and new facilities the Palm Springs Aerial Tramway became the world's largest rotating tramcars. The trip begins at the Valley Station– elevation 2,643 feet and ends at the Mountain Station –elevation 8516 feet. In only 10 minutes passengers travel 2.5 miles from the warm desert floor to a snowy alpine environment.

Storm Water Committee

2014-2015
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Dinner Sponsorship
opportunities. This
may assist you with
your marketing
efforts.

Wednesday November 19, 2014

Topic: Hydromodification Modeling Using SWMM: Introduction and Results.

Synopsis:

Hydromodification has become the latest requirement for land development projects in terms of stormwater. It basically means that projects must release runoff the way nature intended for a given range of flows. Now, a single storm analysis is no longer acceptable as a mean to comply with current permits. The use of continuous simulation programs has been mandated in our region to prepare Flow Duration Curves in pre and post-development conditions to prove compliance. Dr. Luis Parra, a consultant with TRWE and Hydrology Professor at SDSU, has prepared Hydromodification Management Plans (HMPs) for more than 70 projects approved in San Diego County, and will be presenting the use of the EPA SWMM program to optimize the design of hydromodification facilities. General SWMM overview and 4 example projects will be explained.

Time:

6:00 - 6:30 pm: Check-In/Networking
6:30 - 7:00 pm: Dinner
6:45 - 7:15 pm: Presentation
7:15 - 7:25 pm: Q&A
7:30 pm: Adjournment

Location:

Hidden Valley Golf Course
Villa Amalfi Restaurant
10 Club House
Norco, Ca 92860
(951) 737-1010

<http://www.hiddenvalleygolf.com/directions/>

Cost:

Members \$35 prepaid; \$40 at the door (with reservations); Non-members and walk-ups \$45.

Send your request for a vegetarian meal to Cynthia.Gabaldon@cgrme.com

Reservations: RSVP by November 17, 2014 at 12 noon to Cynthia.Gabaldon@cgrme.com. No refunds after this date. Include the names of all persons attending with membership number (if applicable). Your advance reservations, made and honored, are essential to fulfilling our catering commitment. No shows will be billed. Seating is limited and payment at the door will be accepted based on availability. Reservation response is still necessary.

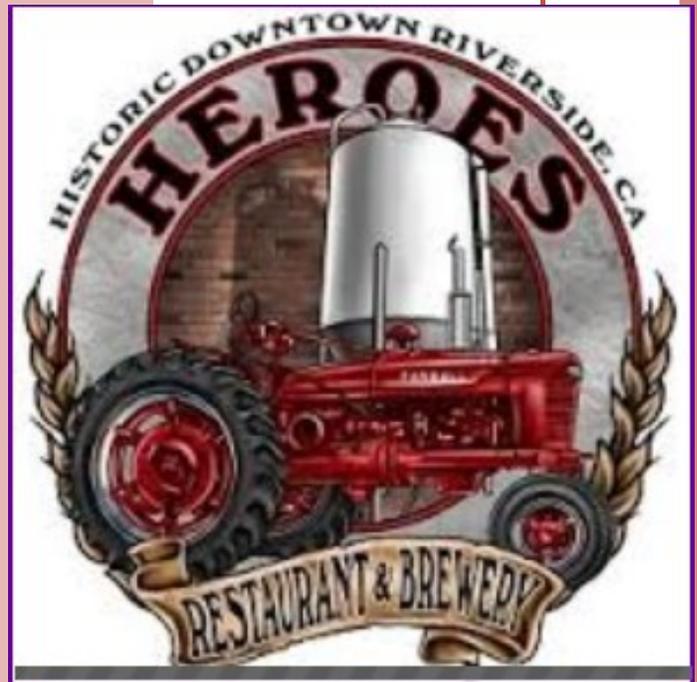
By mail, please make checks payable to "ASCE Stormwater Committee" and mail to:

Bill Flores Jr.
ASCE Stormwater Committee Chairman
HDR Engineering, Inc.
2280 Market St. Suite 100
Riverside, CA 92501

Parking: Free parking is available.

Happy Hour

Come Join ASCE
San Bernardino-
Riverside Branch on
Tuesday, December 9
from
6pm to 8pm
APPETIZERS on US!



**Heroes Restaurant
and BREWERY**
3397 Mission Inn Ave
Riverside, CA 92501

ASCE
LOS ANGELES SECTION
San Bernardino-Riverside
Branch

<http://www.asce-sbriv.org/>



An engineer was crossing a road one day, when a frog called out to him and said, "If you kiss me, I'll turn into a beautiful princess." He bent over, picked up the frog and put it in his pocket.

The frog then cried out, "If you kiss me and turn me back into a princess, I'll stay with you for one week and do anything you want."

Again, the engineer took the frog out, smiled at it and put it back into his pocket.

Finally, the frog asked, "What is the matter? I've told you I'm a beautiful princess and that I'll stay with you for one week and do anything you want. Why won't you kiss me?"

The engineer said, "Look, I'm an engineer. I don't have time for a girl-friend, but a talking frog, now that's cool."



Sudoku #1

		9		4				
3			2	1				9
	1		6		9			
6		2				9	3	
7				9			8	
1		4				6	7	
			5		1			7
	3			2	7		9	
				8		5		

www.SudokuPrintout.com

Want to get involved?

1. Contact your local Branch OR Younger Member Forum for the next tour or technical presentation scheduled
Your local Branch and YMF chapters coordinate tours of projects that help you to enhance your civil engineering knowledge as it applies to projects all around us.

2. Help us plan a tour or help us present to our group
We are always looking for ideas / presenters so don't hesitate. You see a project you think we should see, let someone know, or better yet, if you are working on a great project, we'd all love to learn about it.

http://www.asce-sbriv.org/asce_new/index.html



Invent It Build it Expo

ASCE Photographer: Paul Choy, PE

Inland Empire Mini Maker Faire

By: Sarah Watrous, P.E. and Mark Swanson, P.E.

The Inland Empire Mini Maker Faire, held on Saturday, October 4, 2014, was an interactive event, in the City of Riverside, celebrating creativity and innovation. To demonstrate the creativity and innovation in Civil Engineering, San Bernardino-Riverside YMF hosted a booth with two tables. One table demonstrated the function of sand water filters by encouraging visitors to build a small filter in a cup with different materials (sand, and small aggregates) and testing a sample of dirty water (drinking water mixed with soil). Kids and adults experimented with different filter material combinations and were delighted with the cleanliness of the water they were able to produce with their filters.

The other table informed visitors about the upcoming Popsicle Stick Bridge competition and invited them to participate in constructing one on the table. Educators stopped in and took flyers advertising the event. The Popsicle Stick Bridge competition will be hosted in the Los Angeles Area by the Los Angeles YMF in late February 2015. Additional information can be found on the following website:

<http://www.mlab-ymf.org/events/popsicle-stick-bridge-competition>

Overall, the San Bernardino-Riverside YMF booth was a big hit at the event with a constant inflow of inquisitive visitors and often times a line of people waiting to either make a sand water filter or obtain information regarding the Popsicle Stick Bridge competition. The booth was very successful in advertising the Popsicle Stick Bridge competition as well as promoting civil engineering. Hopefully, this year's Popsicle stick bridge winner will come from this event. Thanks to all of the volunteers for this great event!



Friday, November 7th

Registration | 7:00 a.m.

Start Time | 8:00 a.m.



1st Annual
*George
Mim Mack
Memorial*

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Tournament



Golf with APWA/IE
and Make a
Difference in a
Student's Life

Sign Up
Today!

Don't golf?
Come join us
for lunch!
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tournament and we'll
put your logo here!



For reservations contact:
Chris Buscarino, APWA/IE Secretary
(714) 564-2783 | buscarinoc@pbworld.com

Who is George Mim Mack and why did we name this tournament after him?

Born in 1926, George Mim Mack, PE served as the Director of Public Works for the City of Merced for five years and then the City of Ontario for 11 years. Having an entrepreneurial spirit, in 1972 he left the City of Ontario to follow his dream and established his own firm, Mim Mack Engineering. He was an active member in many associations and wanted to make sure that the Inland Empire was well represented by these associations. Seeing a need for more exposure with APWA, in 1981, George Mim Mack established the Inland Empire Branch of the Southern California Chapter. In appreciation for everything he put in place to make our branch strong and viable, he was posthumously given a Lifetime Achievement Award from the Branch, in 2007. As our Branch's founding father, we are honored to name this tournament after him.

Sponsorship / Player Opportunities

Sponsors are encouraged to provide promotional materials for the lunch event and for the goodie bag.

Event Sponsor | \$2,000

(only 1 available) Includes 1 Foursome with lunch, 2 mulligans, 2 raffle tickets per player, exhibit table in prime location, logo prominently displayed on event flyer, podium time at lunch

Closest to the Pin Sponsor | \$250

(1 available) Includes tee box and hole signage

Longest Drive Sponsor | \$250

(2 available) Includes tee box and hole signage

Player | \$125

(unlimited) Includes round of golf and lunch

Can't sponsor? Donate a raffle gift or something for our goodie bag.

Foursome Package | \$1,000

(24 available) includes 1 Foursome with lunch, 2 mulligans, exhibit table, 2 raffle tickets per player, logo in event program and mention during lunch

Hole Sponsor | \$200

(1 per hole - limit 15) Includes signage at hole

Tee Box Sponsor | \$150

(1 per tee - limit 15) Includes signage at tee box

Friend of Tournament Sponsor | \$100

(unlimited) This is a donation over and above player or lunch only attendee cost. Name listed in event program or a mention at the podium during lunch

Foursomes/Singles Sign-Ups

1. _____ e-mail: _____
2. _____ e-mail: _____
3. _____ e-mail: _____
4. _____ e-mail: _____

If you don't have a foursome, that's okay. We can match you with other players.

- I would like to attend the lunch only - \$40 - Name _____
- I am unable to attend the golf tournament or lunch but I would like to support your scholarships

Mail registration form with payment (check made payable to APWA/IE) to:

Mr. Chris Buscarino, PE | Senior Supervising Engineer
Parson Brinckerhoff
505 South Main Street, Suite 900 | Orange, CA 92868

Amount Enclosed \$ _____

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 Golf Only

Employment Opportunities

Director of Field Engineering

Eastern Municipal Water District

(Perris, California)



Located in western Riverside County, the Eastern Municipal Water District provides safe and reliable water and wastewater management services to a population of nearly 700,000 people in a service area that covers 542 square miles. Reporting to the Senior Director of Engineering, the Director of Field Engineering manages the District's Field Engineering Department (32 staff) including directing and implementing comprehensive strategies and programs for engineering construction and inspection of large potable water, wastewater, and recycled water collection and distribution systems. The ideal candidate for this position will have a broad based knowledge of the theory, principles, public codes, practices, and techniques of engineering construction, land surveying, and contract administration as they apply to a large, complex water and wastewater system. This position requires the equivalent of a bachelor's degree and 10 years of progressively responsible experience in the design, construction, and inspection of a large, complex water and wastewater system including at least 5 years of experience in a management or supervisory capacity. The currently established salary range is \$119,954-\$148,990. Compensation is subject to negotiation commensurate with experience. The District offers an excellent benefits package including CalPERS retirement. Interested candidates can apply via email to apply@ralphandersen.com. For optimal consideration, apply by **Monday, November 17, 2014**. Confidential inquires welcomed to Heather Renschler, Ralph Andersen & Associates, (916) 630-4900. Detailed brochure available at www.ralphandersen.com.

RBF Consulting, a Company of Michael Baker International, seeks several Land Development and Public Works Engineers and Designers in our **Palm Desert and Temecula** offices. For additional details and to apply please visit :

<https://career.mbakercorp.com/>

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employment opportunity?**

**Contact the Newsletter Editor
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Upcoming Events

November

November 5, 2014– LA Section: Annual Meeting, Awards Dinner & Installation of Officers

November 19, 2014– San Bernardino-Riverside Branch General Meeting

November 19, 2014– Stormwater Committee General Meeting

Membership Information

Types of Membership and Annual Dues (National)

Students:	FREE
Associate Member:	\$50 per year of Baccalaureate degree and first year after, then incremental increases to \$225 over five years.
Member:	\$225
Affiliate:	\$225
Section (Branch) Dues:	\$55

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 or call 1-800-548-ASCE (2723) and instantly become a member of ASCE.

Online membership renewal is available! go to <https://www.asce.org/renewal/inforrenewal.cfm>. You will 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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1/2 page ad: \$125 per issue
1/4 page ad: \$75 per issue

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