Hello Members,

I hope you’ll excuse me if I provide a personal update to the San Bernardino and Riverside Counties Branch. Family responsibilities coupled with new and exciting opportunities have necessitated that I move to Utah, which in turn requires that I resign from my position on the Board. I have thoroughly enjoyed my time in Southern California including the opportunity I have had to work with all of you.

I owe a special “thank you” to the other members of the Board. My abrupt departure has added an extra burden on all of them. They are all dedicated to ASCE and the promotion of the engineering profession. The branch is in good hands and will continue to thrive for years to come.

I look forward to active involvement in the local...CONTINUED ON PAGE 2
President’s Message Continued

...CONTINUED from PAGE 1

ASCE branch, and encourage you to do the same. Your current board has many exciting programs planned for the upcoming year. Watch for announcement through the email blasts and the monthly newsletter.

Thank you!
Kenneth E. Cox, P.E., G.E.
San Bernardino and Riverside Counties Branch President, 2016-2017

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KaiToons

By Kai B. Parker, Geocon West, Inc.

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Dear ASCE Los Angeles Chapter-San Bernardino/Riverside Branch,

WOW! I just realized what a mouthful that is.

As we come to the end of the year, I’ve decided keep with tradition and give up my post as official cartoonist of the ASCE (you know the rest) Newsletter. Also keeping in tradition, I am pleased to say I will be taking over the position of your president and <REDACTED>.

Well, I’ve just been informed that I can’t actually be your president which obviously means I’ll be forced to start a coup and declare myself Supreme Leader of the Jedi Order of the ASCE <REDACTED>.

Oh, so I’ve just been informed I can’t stage a coup either. I know... total bummer! Though, it’s probably for the best. Then our name would just be longer.

In all seriousness, I would like to thank you all for the opportunity to draw and attempt to entertain you this last year. I say "attempt" because as you can imagine, it’s not easy to make engineering funny. In particular, I’d like to thank Chet Robinson for presenting me with the opportunity and Ken Cox for allowing it. I worked with Ken for around 10 years and he was always supportive of my artistic endeavors.

I’d also like to thank everyone at Geocon. I’m one of the few that is lucky enough to be able to say I have spent my entire career with one company and I really couldn’t have picked a better one. Not only have they treated me like family, and taught me so much, but they have also been unbelievably supportive and encouraging with regards to my art. I’m not saying my company is better than yours (though now it feels oddly as if I’m implying it)... I’m just saying I wouldn’t trade mine for the world. Thank you all so much for your messages of encouragement and everything you’ve taught me about the fast-paced world of Geotechnical Engineering.

Finally, I’d like to say that drawing is something I’ve done my whole life. My earliest memories involve a pencil in my hand and graphite stains on my palm. However, life can often get in the way of the things you love and I had not drawn for some time. This last year has really inspired and motivated me and I intend to continue putting my KaiToons out into the world. If you want to continue to follow my work, then follow me on Instagram: @theamazingkaiderman.

Thank you for this wonderful opportunity to force my wife to let me buy more art supplies.

Sincerely,
KAI B. PARKER
aka: The Amazing KaiDer-Man
Other than being famous for Night Life, Celebrities, Beaches, and Chinatown, Los Angeles is also famous, or rather infamous for its traffic. However, the City of Angels is unselfish and generous enough to share the congestion throughout Southern California. For those of us living in the Inland Empire, we thought we were safe from the road rage inducing freeways by living two hours away (one hour without traffic). Indeed this is not the case, as many freeways in the IE maintain their own healthy share of traffic, but the State Route 91 (SR 91) Freeway has always induced a special sense of dread. Any mention of this freeway invokes memories of reliable congestion and an expected mention on the morning’s NPR traffic report, as it is the only major east-west route between Riverside County and Orange County.

The Riverside County Transportation Commission (RCTC) in partnership with the Federal Highway Administration, Caltrans, Orange County Transportation Commission, County of Riverside, and the City of Corona sought to relieve some of the human, economic, and environmental impacts of this traffic, via the new Express Lanes and general purpose lanes expansion project. Before this project, the express lanes extended along the 91 Freeway in both directions from the Orange County & Riverside County line to the State Route (SR 55) Freeway interchange. This new expansion project extended the Express Lanes into Riverside County through Corona to the Interstate 15 (I 15) Freeway interchange.

Unsurprisingly, afternoon traffic congestion on the 91 Freeway between Orange County and Riverside County is among the worst in the nation. “The 91 is approaching 50 years old, and the traffic demands now placed on it far exceed its original design from the early 1960s. Close to 280,000 vehicles travel this section of the 91 each day, and that number is expected to grow by another 140,000 vehicles daily by 2035” (sr91project.info). The new general purpose and express lanes are expected to save an average of 12 minutes and 78 minutes per day when traveling round-trip during peak morning and afternoon hours, respectively. If express lanes were not added to the 91 in Riverside County, 22 regular lanes would be needed to manage traffic demand during peak hours.
“A project of this magnitude normally takes about seven years to build, based on a traditional design-bid-build approach. For this project, however, the Riverside County Transportation Commission used a design-build method, in which design and construction occurred simultaneously. This approach had saved three to four years in construction time.” (sr91project.info). The project is estimated to have created 16,200 jobs in total with about 4,600 jobs related to project construction. The total project cost was $1.4 Billion, funded by a combination of federal, state and local sources, as well as toll revenue bonds; of which $664 Million was awarded to Atkinson Contractors and Walsh Construction Company joint venture with URS as lead designer for the design-build contract. The express lanes will be fully funded by tolls from drivers who use those lanes, and toll revenue will be used to repay the project’s federal loan.

This project involved 374 miles of new lane striping, 110,111 linear feet of new drainage, 92 utility relocations, 83 retaining walls (1 million square feet) and 320,628 square feet of sound walls were constructed. It also added one new general purpose lane and two express lanes in both directions, improved six interchanges, constructed or reconstructed 22 bridges, improved 22 local intersections and widened 19 existing bridges.

Anyone that commutes, commuted, lives next to, nearby, around, within frowning distance, or has coworkers that encounter the 91 Freeway, has had to endure what seemed like an eternity, but was only three years of construction from 2014 to 2017. Like with all major engineering projects, a few years of headache and frustration usually leads to a lifetime of benefits. This project will save everyone time, offer drivers choice and reliability, boost roadway safety, enhance access and job creation, promote ridesharing, reduce pollution and aid the movement of goods along the region’s roadways. As you may or may not have already noticed, construction has been completed and all lanes were opened on March 20, 2017. When everything goes well, it really is quite an experience and a joy to drive the speed limit from Corona to Anaheim without ever leaving the express lanes or tapping the brake pedal.

Source:
http://sr91project.info/home.php
On Saturday, July 15 2017, San Bernardino/Riverside ASCE Younger Member Form (SB/R ASCE YMF) organized a great hike of the Bridge to Nowhere Trail in San Gabriel Mountains. All 5 Participants arrived to the meeting location (the Bridge to Nowhere trailhead) by 8:00 AM and started their way towards the trail. The trail has lots of great scenery and takes you along the bank of the east fork of the San Gabriel River. Participants had a lot of fun in creek crossings, wading through thigh to waist high water, and even swimming. The destination, which is also the highlight of the hike, Bridge to Nowhere, is an abandoned and mysterious bridge that has no roads leading to it. By approximately 2:30PM the 10-mile round trip hike was concluded. The event was a great success and participants said they enjoyed this unique hiking experience. Thanks to all the participants for the great event.
RESTORE THE RIVER...

VOLUNTEER!

SANTA ANA RIVER & CITY WATERWAYS CLEANUPS
SATURDAY, SEPTEMBER 30, 2017 • 8:00 AM TO 12:00 PM

Riverside County Flood Control • 1995 Market St. Riverside, CA 92501
Volunteer check in at rear maintenance yard.
Additional parking Latham St. adjacent to Rivera St.

MUST RSVP! CLICK HERE TO SIGN UP
For information visit us at www.krcb.com
Contact Alex: 951-683-7100 Ext. 212, or arendon@riverside-chamber.com

Please wear long pants and closed toe shoes (no sandals or flip-flops); Receive lunch, t-shirts, & community service hours

Thank you to our 2017/18 Keep Riverside Clean and Beautiful Sponsors

Keep Riverside Clean & Beautiful is a community program
Sponsored by the City of Riverside’s Public Works Department and the Greater Riverside Chambers of Commerce
Our Mission… To instill a sense of community pride by creating partnerships that work toward the beautification of the City
5TH ANNUAL
GLEN IVY GOLF CLUB
24400 Trilogy Parkway, Corona, CA 92883
FRIDAY, OCTOBER 6, 2017
6:30 AM CHECK IN, BREAKFAST BURRITOS, COFFEE, FRUIT AND DRIVING RANGE
7:20 AM LOAD CARTS
7:30 AM SHOTGUN START
12:00 PM BANQUET LUNCH, AWARDS, AND RAFFLE
ENTRY FEE: $100 PER PERSON - STUDENT $75 - EARLYBIRD FOURSOME $375 [UNTIL 9/8]
SPONSORSHIP PACKAGES AVAILABLE:

<table>
<thead>
<tr>
<th>PLATINUM $1500</th>
<th>GOLD $500</th>
<th>SILVER $300</th>
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<td>• CHANCE TO GOLF WITH INDUSTRY LEADERS</td>
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<td>o George A. Johnson, Chief Executive Officer, County of Riverside [CONFIRMED]</td>
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<td>o Jason E. Uhley, General Manager – Chief Engineer, Riverside County Flood Control and Water Conservation District [CONFIRMED]</td>
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<td>• 2 GOLF FOURSOMES (6 GOLFERS) PLUS INDUSTRY LEADERS</td>
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<td>• TEE BOX SIGN</td>
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<td>• ASCE POLO SHIRT FOR EACH PLAYER</td>
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<td>• LOGO ON PROGRAM AND EVENT BANNER</td>
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<td>• BANQUET LUNCH SPONSOR</td>
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<td>• 5-MINUTE COMPANY SPOTLIGHT/PRESENTATION AT BANQUET LUNCH</td>
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<td>• 1 GOLF FOURSOMES</td>
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OTHER SPONSORSHIP OPPORTUNITIES AVAILABLE:

| BREAKFAST SPONSOR $400 |
| PRIZE HOLE SPONSOR $250 [CLOSEST TO THE PIN, LONGEST DRIVE, STRAIGHTEST DRIVE, LONGEST PUTT] |
| TEE BOX SPONSOR $200 |
| PUTTING TOURNAMENT |
| RAFFLE PRIZES |
| PROMOTIONAL ITEM DONATIONS |

FOR ADDITIONAL TOURNAMENT INFORMATION PLEASE CONTACT:
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Want to advertise an employment opportunity?

Contact the Newsletter Editor
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Professional Directory

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Fax (760) 240-1400
Email: info@merrelljohnson.com

Professional Directory

Contact ASCE Board member
Jeff Meiter, PE, LS
Branch Treasurer
jeff@valued-eng.com
ASCE CONTINUING EDUCATION

Check out all of the content available from ASCE. When ordering be sure to use the Promo Code below so that the branch will receive 20 percent of the gross revenue from the registration. This helps the branch to reduce member costs, provide better activities and give out more scholarships for the benefit of the local engineering community.

WEBSANBRIBRA

http://www.asce.org/continuing_education/

Employment Opportunities

Be sure to check out the career opportunities at ASCE’s Career page at

http://www.asce-sbriv.org/careers-1.html

Calendar of Upcoming ASCE Events

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>September 16, 2017</td>
<td>SBR Branch YMF Six Flags Trip</td>
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<tr>
<td>September 22, 2017</td>
<td>SBR Branch Board Meeting</td>
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<tr>
<td>September 30, 2017</td>
<td>Santa Ana River Cleanup</td>
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<tr>
<td>October 6, 2017</td>
<td>5th Annual Scholarship Golf Tournament</td>
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<tr>
<td>October 7, 2017</td>
<td>Foo Fighters Play CalJam 2017 (not an ASCE event)</td>
</tr>
<tr>
<td>November 3, 2017</td>
<td>SBR Branch Board Meeting</td>
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### Membership Information

#### Types of Membership and Annual Dues (National)

<table>
<thead>
<tr>
<th>Membership Type</th>
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<tbody>
<tr>
<td>Students</td>
<td>FREE</td>
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<tr>
<td>Associate Member</td>
<td>$50 per year of Baccalaureate degree and first year after, then incremental increases to $225 over five years.</td>
</tr>
<tr>
<td>Member</td>
<td>$225</td>
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<tr>
<td>Affiliate</td>
<td>$225</td>
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<tr>
<td>Section (Branch) Dues</td>
<td>$55</td>
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</tbody>
</table>

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 [http://www.asce.org/join/](http://www.asce.org/join/) 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 [http://www.asce.org/membership-communities/](http://www.asce.org/membership-communities/) 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

#### Publisher:
ASCE San Bernardino-Riverside Counties Branch  
P.O. Box 1541  
Riverside, CA 92502-1541  
Typesetting and Layout: Chet Robinson, GE

#### Advertisement Rates:
- Professional Directory: $250 per business card (10 issues)
- Full page ad: $235 per issue
- 1/2 page ad: $125 per issue
- 1/4 page ad: $75 per issue

#### Advertisement Information:
To place ads please contact the editor. Payments are due 30 days from the date of publication.

#### Billing Information:
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#### Typesetting and Layout:
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