

ASCE

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

PRESIDENT'S MESSAGE



I hope everyone had a great 4th of July and are having a great summer! This month I would like to take the opportunity to thank everyone that attended our Annual Awards Luncheon, especially our sponsors for their support: HDR (Platinum Sponsor), City of Ontario and Geosyntec Consultants (Gold Sponsors), and Parsons Brinckerhoff (Silver Sponsor). Without the generosity of our sponsors, our luncheon and scholarship program would not have been possible. This year the Branch was able to award three \$1000 scholarships to some of our hard working Cal Poly Pomona civil engineering

students. For more details on the Awards Luncheon, see page 6.

In July, we have our annual joint meeting with APWA. This has always been an excellent event. This year we have the honor of hearing from one of our LA Section Past President, Mr. Don Sepulveda. He will speak about the future of rail in southern California. The meeting will be held on July 17th at the Canyon Crest Country Club in Riverside. Make sure to RSVP and mark your calendars. We are looking forward to seeing you.

Next month, as customary, our newsletter will be dark; however, our Board has decided to host a happy hour on August 13th from 6-8pm at Heroes Restaurant and Brewery in Riverside. Appetizers will be on your Branch, so come grab a drink and celebrate the year with us.

Lastly, the date has been set for the 2nd annual golf tournament: Friday, September 19th. So start dusting off those clubs, and keep an eye out for the registration flyer!

Sincerely,

Edwin Quinonez, P.E.

San Bernardino and Riverside Counties Branch President

July 2014

NEWSLETTER





Bidwell Bar Suspension Bridge

Soon after gold was discovered at Sutter’s Mill near Sacramento in 1848, General John Bidwell found gold near the Middle Fork of the Feather River. His discovery brought crowds of miners to the scene and Bidwell Bar Gold Mining Camp was born. Ferrying people and supplies across the river became very difficult, especially during the winter months, so funds were raised to construct the Bidwell Bar Bridge. Most of the money was put up by Judge Joseph Lewis, a Virginian who moved to Bidwell’s Bar in 1849. Bidwell Bar Bridge was the first suspension bridge west of the Mississippi River.

The Bidwell Bar Bridge refers to two suspension bridges that cross different parts of what is now Lake Oroville. The original Bidwell Bar Bridge was the first steel suspension bridge in California. The \$34,922

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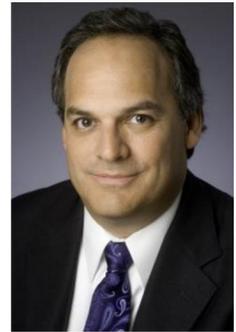
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July Meeting
Joint Meeting with APWA/IE

Don Sepulveda, P.E.
Executive Officer - Regional Rail
LA County MTA



Mr. Sepulveda will provide us with a look at the future of rail transportation in Southern California. Things like, what will our systems look like in the future? How will rail modernization work with congested freeways? Will there be more HOV lanes and more toll lanes? What part will transit play in all this? Come to our joint meeting and find out.

Date: Thursday, July 17, 2014

Time: 11:30am to 1:00pm

Location: Canyon Crest Country Club
975 Country Club Drive
Riverside, CA 92506

Cost: \$25 members w/ RSVP
\$30 at the door
\$15 students

Deadline: Please reserve by July 15, 2014

Additional Info: Edwin Quinonez
eequinonez@rcflood.org
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Bidwell Bar Suspension Bridge

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240-foot (73 m) long bridge was completed in December 1855. Almost all the material used to build the bridge was brought “around the horn” (i.e. fabricated on the East Coast and shipped around Cape Horn to California).

Each tower consisted of four cast iron posts, each measuring about 20 inches at the base, tied together with a cross of cast iron plate at the base. Wire ropes had only been developed within the decade before construction. There were four cables, two on each side. Each cable was seven inches in diameter and made up of about 300 No. 10 wires laid in parallel strands. Each bundle was then spirally wrapped with a wrought iron wire, and the entire cable was coated with paint. The cables were anchored to bent bars, which were cemented into recesses in the rock embankment. The original components of the bridge were primarily wrought iron and cast iron. The anchorages were originally thought to be bent wrought iron bars packed in oil. When the bridge was repaired in the early 1900s and the anchors scraped to remove rust, they were found to be bronze, not iron. The bridge remained open to vehicle traffic until 1954.

The bridge was in use until after World War II, when a new bridge was built to carry vehicular traffic. In 1964, the bridge was dismantled to make way for the Oroville Reservoir. Prior to the construction of Oroville Dam, the bridge was relocated to Bidwell Canyon. The replacement bridge was constructed in 1967 and is 1,108 ft. (337.7 m) 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 sits just above the water level when the lake is full. The bridge is signed as part of State Route 162.



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William Addington

The Riverside/San Bernardino Branch of ASCE is sorry to announce the passing on July 13, 2014 of long-time ASCE Member and Civil Engineering icon William Addington.

At our June Awards meeting, Mr. Addington was awarded a "Lifetime Achievement Award" for his many years of service to the Engineering and Surveying community in the Inland Empire, as well as to the Branch, serving as Branch President in 1987.

He is survived by his wife Carmel, his son Matthew Addington (2012-2013 Branch President), Matt's two sisters Christina and Diana, and seven grandchildren.

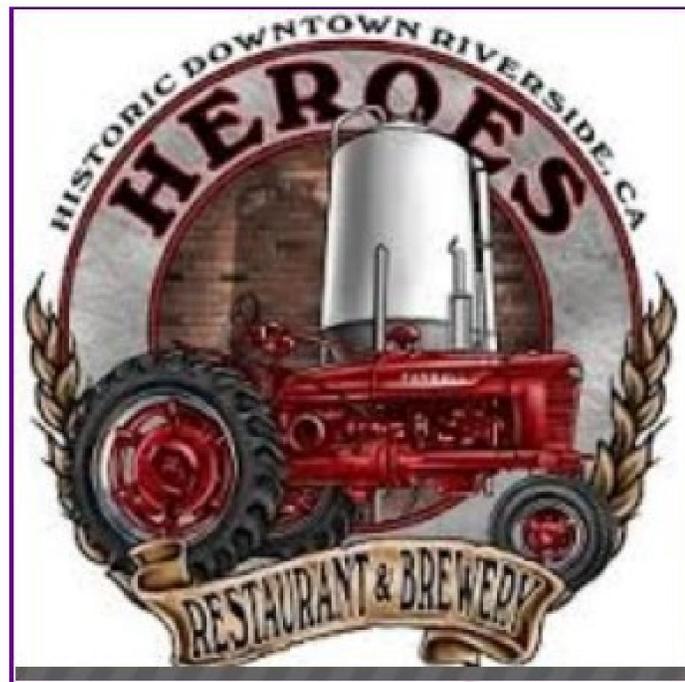
Local Employment Opportunities

The Survey Division of the Riverside County Transportation Department is currently recruiting for the position of Engineering Technician I. This position will perform various land surveying functions, both in the field and in the office. The job description for the position is available at the Riverside County Human Resources Department website: www.rc-hr.com/Careers/JobDescriptions.aspx

TKE Engineering, Inc. is seeking a Civil Engineer to join our dynamic team of professionals. The ideal candidate will have 2+ years of experience and be ready to work in a fast paced, professional environment under the supervision of senior staff. For more information, or to apply, please visit: www.tkeengineering.com/#!/employment-opportunities/c16fg

HAPPY HOUR

Come Join ASCE San Bernardino- Riverside Branch On
Wednesday August 13 from 6pm to 8pm to celebrate an amazing year.



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



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

2014 Annual Awards Luncheon

Edwin Quinonez

The 2014 Annual Awards Luncheon took place on Wednesday, June 11th at the Holiday Inn Ontario Airport. The event brought in a packed house for the presentation of awards for Outstanding Projects and Individuals, and Student Scholarships.

The program began with a presentation of the slate of Branch officers for 2014-2015, followed by the scholarships. The Branch presented three scholarships of \$1,000 to undergraduate Civil Engineering students: Calvin Rai (CPP), Dominic Stone (CPP), and Kalvin Lam (CPP). Additionally, the Younger Member Forum awarded two scholarships of \$500 each to Carlos McEniry (CPP) and Natalie La (CPP).



This year the Branch recognized three outstanding individuals for their dedication to our profession. The Outstanding Civil Engineer in the Public Sector was awarded to George Johnson, P.E., Assistant Executive Officer for Riverside County. The Outstanding Younger Civil Engineer Award was given to Melissa Barbosa, P.E. with Azusa Light & Water, and also our current Branch YMF President. The Lifetime Achievement award was given to Mr. William Addington, retired civil engineer, and was accepted by his daughter Christina Miller.



The Outstanding Private Sector Civil Engineering Project of the Year Award was given to the **Colton Crossing Flyover Rail to Rail Grade Separation**.

The project involved the construction of an 8,150-foot flyover structure to take Union Pacific Railroad's (project owner) east/west tracks 35 feet above the north/south tracks of BNSF Railway, thereby eliminating the major rail bottleneck in the Colton area. The project was designed by HDR and constructed by Skanska.

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2014 Annual Awards Program

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The Outstanding Government Civil Engineering Project of the Year Award was given to the **Mill Creek Wetlands**.

The project involved the restoration of 23 acres of native riparian habitat within the Prado Dam basin and enhancing recreational uses through the construction of hiking and equestrian trails, and wildlife viewing areas. The project includes a series of water quality ponds, holding and treating approximately 160 acre-feet of storm runoff. The project was designed by Geosyntec Consultants under contract with the City of Ontario.



The following Honorable Mention Awards were also presented during the program:



East Valley Water District Administration Building and Corporate Yard, - Parsons Brinckerhoff

Design build project which consisted of a 34,000 sq ft building consolidating all District functions under one roof. The design incorporated sustainability and energy efficiency features throughout the facility, and also included water wise landscaping and a demonstration garden to educate the public on water conservation techniques.

Santa Ana River Watershed “One Water One Watershed” - IRWMP, SAWPA

The plan is a culmination of collaborative work between stakeholders and experts in an effort to address the water resources challenges faced in the Santa Ana River watershed. The plan includes innovative approaches that propose water demand reduction strategies instead of relying solely on continued imported water deliveries to meet growing water demands in the region.



The Branch would also like to extend a special thanks to our event sponsors!



To the optimist, the glass is half full.

To the pessimist, the glass is half empty.

To the engineer, the glass is twice as big as it needs to be.

To the geotechnical engineer, the glass was designed with a factor of safety of two.



2ND ANNUAL
ASCE

**SAN BERNARDINO/RIVERSIDE BRANCH
AND YOUNGER MEMBER FORUM
SCHOLARSHIP GOLF TOURNAMENT**

SAVE THE DATE
FRIDAY, SEPTEMBER 19, 2014

HIDDEN VALLEY GOLF CLUB
10 CLUBHOUSE DRIVE NORCO, CA 92860

11:00 AM CHECK IN, BOX LUNCH, & DRIVING RANGE
12:30 PM LOAD CARTS
1:00 PM SHOTGUN START
6:00 PM BANQUET DINNER, AWARDS, & RAFFLE

FORMAL REGISTRATION AND SPONSORSHIP INFORMATION TO FOLLOW

Mr. Manners on Office Etiquette

Ken Maschke

There's probably no confusing your graduate curriculum with finishing school but a few hours of study on office etiquette might be the best spent time for a successful career. Office managers, colleagues, and clients will judge you more on manners than mentality. The recommendations come largely from a former colleague, except where otherwise credited.

Phone

Always leave a phone number when leaving a voice mail. Even if it's someone who should know your number.

Always return voicemail or email within the SAME business day, even if it's to say "I need more time" to get someone the answer they are looking for.

If away from office for 1 day or more and you don't plan on regularly checking messages, set out of office message on voicemail and email and update message with regard to your plans. Be sure to leave specific directions on WHO to speak with, not just the fact that you are unavailable.

If you share an open plan workspace speak no louder than necessary and use speaker phone only when necessary. (Boston.com)

Email

Check your emails from most current to least current. You don't want to respond to something that has already been addressed.

If you are on the 'CC' list, DO NOT respond to the email unless requested to do so by someone on the 'TO' list.

Respectfully avoid emailing people who you know to be on vacation. (Boston.com)

Never 'reply all'. (Boston.com)

If something is time sensitive, don't send an email. Pick up the phone. Many blunders can be avoided with a timely phone call to the right person. This holds for anything that can be more efficiently communicated verbally.

If you ever write an email that contains any subjective, inflammatory or otherwise controversial information, leave it in the 'drafts' box overnight and re-visit the following day. If you still agree that what you wrote is the appropriate message, then fire away. If not, edit it and save yourself from a potential career-limiting moment.

See more at:

http://blogs.asce.org/mr-manners-on-office-etiquette/?utm_source=rss&utm_medium=rss&utm_campaign=mr-manners-on-office-etiquette#sthash.BR2DJVvu.wvmh9b1Q.dpuf

San Bernardino and Riverside Counties
ASCE YMF Invites you to join us for:
Habitat for Humanity Volunteer Day
Saturday, July 26, 2014

Details:

When: Saturday July 26, 2014
8:00AM to 12PM

Where: TBD – Riverside Area

What: Come join ASCE YMF
Volunteer with Habitat for
Humanity in rehabilitating a
home for a family in the
Riverside Area! We will be
doing some painting and yard
work, so come in your
favorite work clothes! Bring
your work gloves, all other
tools will be provided.

Contact: Sarah Lunetta
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If you'd like to have your business card or company information listed in the Professional Directory, Please contact the Branch Treasurer, Steven Ledbetter, at (951) 680-0440 or sledbetter@tkeengineering.com

July 2014

July 17 Joint Meeting with APWA

July 26 Habitat for Humanity Volunteer Day

August 13 Happy Hour - Free Appetizers!

September 19 Golf Tournament

Membership Information

Type 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:	\$45

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)

Online Membership renewal available. Go to: <https://www.asce.org/renewal/inforenal.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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