May 2013

Your Branch Board hopes that everyone is having a great year and a year that is much better and prosperous than the previous years. Half of our ASCE year is behind us with much accomplished and a lot left to do. We have had a lot of interesting topics for our general membership meetings this year. If the meeting topics haven’t been of interest to you then be on the lookout for flyers from the Younger Member Forum (YMF), our Stormwater Committee and our Geotechnical Committee. The YMF also organizes great events, such as technical tours, student and community outreaches, along with other fun social events. Both of our technical committees provide interesting topics for dinner meetings specializing in a field of interest for Civil Engineers.

Also, this is the time of year to not only have your milestone projects recognized in our annual awards program, but to have your fellow Civil Engineer’s recognized as an Engineer of the Year, or if you feel you deserve this recognition for your contributions to the field of engineering you can nominate yourself. A question was presented to the Board regarding the Project of the Year Awards as to what is “substantial completion”. A great question; if you feel this is the time to have your project recognized by the community then include a short statement in your award package as to where the project is in the completion process and why your project is near (substantial) completion.

All awards applications are due at the end of May so you still have time to get your submittal package ready. Should you have any questions feel free to contact me, Matthew Addington, at (909) 477-2710 (M – Th). If your package is running a last minute deadline you may also submit your application package directly to Me at the City of Rancho Cucamonga Building and Safety front counter. Please label your package as ASCE.

The June meeting will bring our annual awards luncheon where the Projects of the Year and the Engineer’s of the Year will be presented. We hope to see everyone at our June Annual Awards Meeting.
Gravelly Hill Interchange

With all the construction happening along the highways in the Inland Empire I thought it would be fun to look at an interchange that puts all others to shame. Being nicknamed “Spaghetti Junction” I expected to see an intersection that consisted of countless crossings and curves. This project did not let me down as it’s the most complicated junction in United Kingdom. The junction provides access to and from the A38 (Tyburn Road), A38 (M) (Aston Expressway), the A5127 (Lichfield Road/Gravelly Hill), and several unclassified local roads. It covers 30 acres (12 ha), serves 18 routes and includes 4 km (2.5 mi) of slip roads, but only 1 km (0.6 mi) of the M6 itself. Across 5 different levels, it has 559 concrete columns, reaching up to 24.4 m (80 ft). The engineers had to elevate 21.7 km (13.5 mi) of motorway to accommodate two railway lines, three canals, and two rivers. In an unusual meeting of old and new transport technology, the pillars supporting the flyovers over the Birmingham Canal Navigations had to be carefully placed to enable a horse-drawn canal boat to pass under the interchange without fouling the towing rope. The junction has undergone major repair work several times since, owing to the very heavy traffic through the junction, and some alleged cost-saving measures during its construction. In November 2007, a sliproad running from the Tyburn Road onto the Aston Expressway was closed to undergo urgent repair works. Upon inspection, it was found that Spaghetti Junction itself was in need of repair work because salt and grit had weakened the joints in the structure.

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MAY MEETING

Road Diets from Inception to Public Hearings

Steve Libring, TE
City Traffic Engineer,
City of Riverside, California

Steve Libring has 41 years’ experience in municipal governments consisting of 7 Cities in 3 different Counties. Mr. Libring spent 31 of those years in Irvine, Corona, and currently as the City Traffic Engineer for the City of Riverside.

Mr. Libring will discuss the process he takes when performing a Road Diet on a major arterial road from the Inception to the Public Hearings. Mr. Libring will explain methods Cities take when reviewing the road to see if it is feasible to implement the road diet and how to portray that to the Public during hearings.

Date: Wednesday, May 15, 2013
Time: 11:30 am to 1:00 pm
Location: Mexicali Bar & Grill
1690 Spruce Street
Riverside, Ca. 92507
Cost: $25 members w/ RSVP
$30 non-members or no RSVP
$15 students
Deadline: Please reserve by May 10, 2013
Additional Info: Matthew Addington, P.E., P.L.S.
matthew.addington@cityofrc.us
(909) 477-2710
The Seventh Annual California Infrastructure Symposium organized by ASCE Region 9 was held on March 6, 2013. In honor of the Centennial Celebration of the ASCE Los Angeles Section, the event was held at Union Station in the heart of Los Angeles. The Infrastructure Symposium was well attended by members of the Los Angeles Section’s five YMF Branches. The symposium featured a number of distinguished individuals who spoke on California’s past achievements and current engineering concerns. Attendees were able to spend the afternoon at one of two panel discussion tracks: Transportation or Water. Those who attended the Transportation Track were pleased to participate in discussions about California’s rail system, port development, highways, bridges, and funding outlook. For those who attended the Water Track, the topics of discussion included California’s past struggles over water rights, the current need for improvements to the Bay Delta, integrated regional water management, and visions for the future of California’s water. The event concluded with a networking reception and an awards dinner. Twenty-five projects and fifteen individuals received awards for their contributions to the field of civil engineering in California. The symposium provided those in attendance an excellent opportunity to network with hundreds of other engineers from around the state and to learn about California’s past, present, and future needs.
ASCE’s Annual Awards Program for San Bernardino/Riverside Counties

Come join your local branch and celebrate local engineering projects and fellow engineering peer’s achievements at our annual awards program.

Have a project or colleague that you would like to nominate for the awards program? Look for the nomination submission form in your email and have them in by the end of May!

Date: Wednesday, June 26th, 2013
Time: 11:30 am to 1:00 pm
Location: Holiday Inn Ontario Airport
2155 East Convention Center Way
Ontario, CA 91764

Additional Info: Brandon Reyes
brandon.reyes@urs.com
909-980-4000

Your San Bernardino/Riverside ASCE Branch has joined social media!

ASCE San Bernardino/Riverside is announcing we have joined the social media network Twitter to expand and enhance our communication and outreach with our professional engineering network.

Please follow us on twitter @ASCESBRIV
Feel free to check us out, give us a follow, and spread the word!
Analyzing –

Subject:  First Annual Golf Tournament
Location: Golf Course in the Inland Empire (TBD)
Date:    Friday, September 20, 2013
Time:    Noon-5pm
Hosts:   SB/Riv Branch and YMF
Conclusion: SAVE THE DATE –
I must say, our YMF ‘BIG’ membership recruit on Friday, April 12, 2013, was a great success from the “behind you all the way” seat cushions for the second half of the test, spreading the ASCE word and unwinding after the exam at Warehouse Pizza in La Verne. The primary goal of this two part event is to promote ASCE for the year, increase membership and of course have fun! Members spoke with PE test takers about upcoming calendar events and invited them to join us. There was a great turnout, current members and new faces, 70 seat cushions distributed, plenty of food, drinks and good company. We encourage the new faces to join us at upcoming events.
The World Without Engineers

Lighter Side
Riverside / San Bernardino Branch’s Younger Member Forum organized their first technical tour of the year in San Bernardino at OmniTrans Headquarters.

Approximately 15 attendees consisting of Cal Poly Pomona Students, YMF Members, and Branch Members started the morning with an informational presented by David Rutherford (OmniTrans SBX PR Specialist). During the presentation, OmniTrans General Manager, Milo Victoria, stopped by to talk about Project funding as well as its uniqueness to Southern California. This Project is unique in that there will be center-running and side-running stations (bus stops), 4 park & rides, traffic priority signalization (TPS), GPS tracking, electronic message boards as stops, and fourteen 60-foot articulated buses operating solely on CNG.

Attendees learned about the planning effort involved which considered the various modes of transportation before opting for the BRT (Bus Rapid Transit) concept. The presentation also included discussion on corridor selection process, the various upgrades to existing facilities and infrastructure which are required prior to the project becoming operational, new coach information and details, and the overall project cost ($191.7 mil). It is expected that through enhanced infrastructure, fewer stops and higher average speeds, the commute times will be reduced at a fraction of the cost of a light-rail system.

The Project utilizes a 60-foot articulated coach, which is 20 feet longer than any other bus in the current fleet. The current maintenance facilities are not capable of handling this newer vehicle, so important facility upgrades are in the works. Attendees were escorted through the crucial maintenance areas such as the general repair building, paint booth, engine and transmission repair room, break repair room, parts room, washing facility and of course…the fueling station. The entire OmniTrans fleet is operated by CNG (Compressed Natural Gas), so seeing the two 30,000-gallon tanks and fueling pumps was quite impressive.

The tour was capped off with a ride along the proposed SBX corridor in one of the 60-foot articulated coaches. The ride started at Kendall and Palm (Northern Terminus) where a new park & ride facility is under construction along with a new bus stop. We then proceeded to Cal State San Bernardino where the existing facilities are receiving an upgrade. As the tour continued along Kendall / N. E Street, several locations were pointed out which are currently under construction and will be stops along the SBX route when fully operational. At the south end of N. E Street, the tour continued east along Hospitality Lane to Tippecanoe Avenue, then south on Tippecanoe Avenue, under I-10 which then becomes Anderson Street, through the Loma Linda University campus to Barton Road, then east to Benton Road at the Loma Linda VA Hospital where the route terminates. After the final stop at the VA Hospital, a small loop is made back to Anderson Street where the route runs northbound.

It is anticipated that the 15.7-mile OmniTrans SBX Project will be operational by early 2014 and is expected to aid in the reduction of congestion throughout the local area.

The tour was invaluable, providing members with an understanding of how this Project relies heavily upon a civil engineers’ knowledge of transportation concepts and details ranging from the bus stops to the maintenance facilities.
WHEN: MAY 19TH @ 7:00AM SHARP

WHERE: SAN BERNARDINO PEAK TRAIL HEAD

Join ASCE OC and SB/R Younger Member Forums in experiencing one of the best kept secrets of Southern California. This 16-mile out-and-back trail climbs over 4,600 vertical feet to San Bernardino Peak (el 10,649). San Bernardino peak is one of the lesser known peaks in SoCal providing a nice break from the more crowded trails.

WHAT TO BRING: Comfortable hiking shoes, ample water, jacket, hat/sunscreen, food, and any necessary toiletries. This is an all day hike with no services so please prepare accordingly.

DIRECTIONS: Take State Route 38 north toward Big Bear. Take it to the town of Angelus Oaks. Turn right onto Manzanita Street (there should be a sign for San Bernadino Peak Trail) and follow Forest Service Road 1N07 .25 miles to the trailhead. ALL CARS MUST HAVE AN ADVENTURE PASS FOR PARKING AT THE TRAILHEAD. The pass must be purchased before the hike at a Ranger Station, REI, or Big 5. Please contact Lucas or David with questions.

PLEASE RSVP:
Lucas Glauser: l glauser@hfinc.com 208.860.6834
David Cortese: djcortese@rcflood.org 951.955.3743
Visit: www.ymf-oc.org www.asce-sbriv.org

Note: The hike will be canceled if the weather does not cooperate.
Available space

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
May 10  YMF Tech Tour at Palm Springs Aerial Tramway
May 11  YMF and Cal Poly Paintball at SC Village Paintball Park in Chino
May 15  Branch General Meeting at Mexicali in Riverside
May 19  YMF Hike to top of San Bernardinom Mountain
June 1-2  YMF Relay For Life Walk at Cucamonga Guasti Regional Park benefitting American Cancer Society

Membership Information

Type of Membership and Annual Dues (National)

Students: Free
Associate Member: $50 year of baccalaureate Degree and first year after, Then incremental increases to $205 over five years.
Member: $205 annually
Affiliate: $205 annually
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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