

Los Angeles Section

Monthly: Est. 1913

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PRESIDENT'S MESSAGE

Jerry Burke, P.E., M.ASCE, APM, QSD, ENV SP
Los Angeles Section President

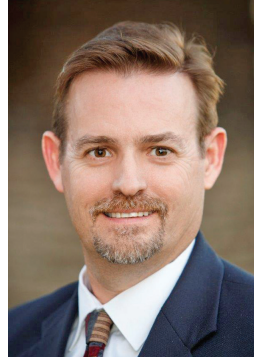
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SEASONS



If there's one in that happens with certainty, it's the seasons. Summer brings us the heat and long days for having fun. Fall brings us changing leaves and crisp breezes. Winter supposedly cooler and gray skies...sometimes. Spring? The P.E. Exam at the L.A. County Fairgrounds. The Section's YMF was there for the examinees afterwards at Innovation Brew Works at Cal Poly Pomona. I have to tell you I did chuckle as test takers trickled in. Dazed and confused, mentally drained, some emotionally defeated. Chatting with them brought back memories. We all agreed, it's a short season of life. Then its gone, over. All were encouraged

that if they did not pass (but hopefully they did) buckle down, study and get it behind them. If you have time and are in the area next Spring, join us to encourage those future engineers filling our shoes. Plus, it's kind of fun.

Thank you to those of you who are attending the Region 9 annual Legislative fly in Sacramento May 16th in Sacramento! If you've never been, you should go. It's a learning experience. Even if you don't plan to attend, consider being a key contact. Sign up here <http://www.asce.org/keycontacts/>. You'll be able to stay up to date on legislative affairs that affective infrastructure and make your voice heard without having to leave the house.

Congratulations to L.A. Section's own Cal State University Northridge for being selected by ASCE Region 9 as the Distinguished Student Chapter of the year!

Congratulation to L.A. Section's own Dr. Allen C. Estes, Ph.D., P.E., F.ASCE of Cal Poly San Luis Obispo who was selected by the ASCE Committee on Education to receive the 2018 Walter LeFevre Award in the large program category.

Congratulations to L.A. Section's own Dr. Jose E. Andrade of Cal Tech in Pasadena for being selected as the 2018 Walter L. Huber Civil Engineering Research Prize.

Soon the current season we're each in will be gone. Seasons return but never the same way. So make the most of them by trying something new every now and then. And..... here's some upcoming ASCE events you might be interested in this season:

- May 12th Saturday – O.C. YMF Soccer Tournament – Santa Ana
- May 14th Monday – Infrastructure Summit – Los Angeles
<http://infrastructureweek.org/>
- May 19th Saturday - Joint YMFs Brewery Tour with OC and San Diego – San Diego
- June 8th Friday – 1 p.m. ASCE L.A. Section Board Meeting @
Santa Barbara Treatment Plant
- June 15th Friday – 12:00 p.m. Desert Branch Lunch Meeting @ Pizza Palace in Bishop
- June 22nd – 24th – Joint Section YMF Annual Camping Trip –
Santa Cruz Island

Check the Section/Branch/YMF websites for specific details as well as more items your branch is planning.

It is a pleasure to serve as your president.

ASCE Region 9 Grand Challenge Task Committee Update (Risk and Innovation)

by Jim Frost, P.E., M. ASCE, ASCE Region 9 Governor from the San Diego Section, and Chair, ASCE Region 9 Grand Challenge Task Committee



On March 15th, 2018, a pedestrian bridge under construction over a seven-lane highway leading to Florida International University in Sweetwater, Florida, collapsed and resulted in the deaths of six people and injured 10 others. This was a very sad and tragic accident, and one that should have been avoided. The bridge was designed and constructed using innovative techniques generally referred to as Accelerated Bridge Construction or ABC. In this situation, a portion of the bridge span

was built alongside the roadway and then rotated into position using self-propelled modular transport vehicles. This construction method has been around for some time but is still less common than other bridge construction techniques.

It's way too early to speculate on what caused the bridge collapse (although many theories are bouncing around social media). What we do know is that the collapse happened when the bridge was partially constructed and that ABC techniques were in place. As reported in the Associated Press, Robert Bea, a professor of engineering and construction management at the University of California, Berkeley, said it's too early to know exactly what happened, but the decision to use "innovative installation" was risky, especially when the bridge spanned a major roadway.

"Innovations take a design firm into an area where they don't have applicable experience, and then we have another unexpected failure on our hands," Bea said after reviewing the bridge's design and photos of the collapse.

As a bridge engineer, this tragedy brings up many ethical questions about how to balance risk and innovation. It also reinforces the responsibility civil engineers have, to protect the public. ASCE Code of Ethics Canon 1 states:

"Engineers shall recognize that the lives, safety, health and welfare of the general public are dependent upon engineering judgments, decisions and practices incorporated into structures, machines, products, processes and devices."

This recent bridge failure is a strong reminder that we need to consider our responsibility as civil engineers over all other demands and pressures of the job. This applies to conventional projects as well as innovative solutions.

One of ASCE's strategic initiatives is called the Grand Challenge. This initiative calls for the industry to significantly reduce the life cycle cost for our infrastructure by the year 2025 and to foster the optimization of our infrastructure for society. One way to do this is through innovative solutions, and ABC bridge design and construction methods are part of the innovative tool kit. But how do we balance the risk of innovation with the long-term value to society? Sometimes we need to push the boundaries of engineering to achieve new

solutions, but we certainly cannot accept failures like the Florida bridge collapse and the loss of life.

So how do we apply the principles of the Grand Challenge while assuring a safe infrastructure? One way is to recognize and manage risks. We all know about risk but sometimes tend to avoid open discussions that allow potential risks to be shared between the owner (public or private), the engineer, and the contractor. A shared risk management program ensures that project challenges are identified early in the process, documented, quantified, and maintained through the life of the project. In the case of innovative design and construction alternatives like ABC, the risk register allows for effective mitigation of the project risks as the project is developed and communicated between the design engineer, owner, and contractor.

Over the coming months it will be interesting to see what went wrong with this Florida bridge collapse. Was it a construction defect, a design error, unexpected load, or a combination of many factors? One thing for sure, we need to learn a lot from the situation and implement risk mitigation measures to avoid this happening again.

More details on the Grand Challenge can be found on check out the ASCE website: www.ASCEGrandChallenge.com. ASCE Region 9 has a task committee that is solely focused on the Grand Challenge. If you are interested in serving on this task committee, please contact me by email at jfrost@kleinfelder.com.



The Nominating Committee of the Board of Directors of the Los Angeles Section has presented for your consideration three candidates for Board positions:



For President-Elect, to serve a one-year term beginning on October 1, 2018, followed by a year as President of the Section in 2019-2020, and finally an additional one-year term as Immediate Past President in 2020-2021, the nominee is **Mr. Daniel Cronquist, P.E., PLS.** Mr. Cronquist received his BS and MS in Civil Engineering from Cal Poly. He has served as the President for the Southern San Joaquin Branch, an Adjunct faculty at Bakersfield College and an Eagle Scout. Prior to starting with AECOM, Mr. Cronquist worked in the land development industry primarily in the design of schools, commercial centers and residential subdivisions.



Nominated for a two-year term as Secretary is **Ms. Amber Shah, P.E., ENV SP, QSO/QSD.** Ms. Shah has a Bachelor of Science in Civil Engineering from the Lawrence Technological University. She has worked for both the public and private sectors with CH2M Hill on Los Angeles World Airports, ARCADIS-US on the Port of Long Beach and currently the Associate Civil Engineer for the City of Laguna Hills. She has been very active in the ASCE LA Section with the Metropolitan Los Angeles Branch Younger Member Forum as the Membership Chair, Vice President, President-Elect and President and Liaison with Region 9.



Nominated for a two-year assignment as Vice President of Technical Groups is **Mr. Jose Hernandez, P.E., MBA, QSD/QSP.** Mr. Hernandez received his Bachelor of Science degree in Civil Engineering from Cal State University Pomona and a Master in Business Administration from Cal State University Long Beach. He has served all the officer positions for the ASCE Los Angeles Section of the Coasts, Oceans, Ports, Rivers Institute from 2013 to 2017. He was the Project Manager for the ASCE 2015 Urban and Land Development Project of the Year for the Century Village at Cabrillo and the Project Manager for the ASCE 2016 Airports and Ports Project of the Year for the Port of Long Beach. Mr. Hernandez currently works for KPFF Consulting Engineers.

In accordance with the By-laws of the Section, these three candidates are submitted for your consideration. Additional candidates for each office may be nominated by petition signed by a minimum of 50 voting members (ASCE members with a grade of Associate or higher whose dues are current), accompanied by a statement of acceptance from the candidate. If no such nominations by petition are received, the three candidates presented by the nominating committee shall be considered to be elected by acclamation.

Petitions are due within 30 days of the distribution of this announcement and should be submitted to:

ASCE Los Angeles Section
c/o Gayle Stewart Enterprises
1405 Warner Ave., Ste. B
Tustin, CA 92780

Jerry L. Burke, P.E., M.ASCE
President, Los Angeles Section, 2017-2018

State Investments and Legislative Update

by Richard Markuson, CA Region 9 Legislative Advocate



New Bills

Last month we looked at Assembly bills—we'll examine the Senate introductions this month.

SB 919 (Dodd D – Vacaville) Would require DWR to develop a plan to deploy a network of stream gages that includes a determination of funding needs and opportunities for reactivating existing gages. The bill would require the

department, in consultation with the board, DFW, the Central Valley Flood Protection Board, interested stakeholders, and, to the extent they wish to consult, local agencies, to develop the plan to address significant gaps in information necessary for water management.

SB 920 (Cannella R – Merced) Current law authorizes persons licensed to engage in the practice of engineering, land surveying, or architecture to form registered limited liability partnerships and foreign limited liability partnerships if specified conditions are met. Existing law requires those partnerships to provide security of no less than \$2,000,000 for claims arising out of the partnership's professional practice. Current law repeals these provisions on January 1, 2019. This bill would extend indefinitely the authorization for persons licensed to engage in the practice of engineering, land surveying, or architecture to form limited liability partnerships.

SB 952 (Anderson R – El Cajon) Would state the intent of the Legislature to enact legislation that would require the State Water Resources Control Board to recognize local water agency investment in water supply and will ensure that local agencies receive sufficient credit for these investments in meeting any water conservation or efficiency mandates.

SB 959 (Beall D – Campbell) Under current law, the PUC has regulatory authority over public utilities, including water corporations. This bill would require a water corporation with more than 10,000 service connections to maintain, for a certain period, on its Internet Web site an archive of all advice letters that are pending, approved, or rejected on or after January 1, 2019, in a specified manner and with prescribed information.

SB 961 (Allen D – Redondo Beach) Would enact the Second Neighborhood Infill Finance and Transit Improvements Act, which would similarly authorize a city, county, or city and county to adopt a resolution, at any time before or after the adoption of the infrastructure financing plan for an enhanced infrastructure financing district, to allocate tax revenues of that entity to the district, including revenues derived from local sales and use taxes imposed pursuant to the Bradley-Burns Uniform Local Sales and Use Tax Law or transactions and use taxes imposed in accordance with the Transactions and Use

Tax Law, if the area to be financed is within one-half mile of a rail transit station or within 300 feet of a transit rich boulevard served by bus rapid transit or high-frequency bus service, as specified, and among other things, certain conditions relating to housing and the infrastructure financing plan are or will be met.

SB 963 (Allen D – Redondo Beach) Current law authorizes a water replenishment district to establish an annual reserve fund not to exceed \$10,000,000, as adjusted annually to reflect percentage increases or decreases in the blended cost of water from district supply sources and, beginning in the 2019–20 fiscal year, requires a minimum of 80% of the reserve to be used for water purchases. Current law excepts from this limitation the unexpended balance of any appropriated funds in a capital improvement project construction account established to pay the cost of a project or projects under construction. This bill would repeal this reserve fund authorization and would make conforming changes.

SB 966 (Wiener D – San Francisco) Would, on or before December 1, 2022, require the State Water Resources Control Board, in consultation with the California Building Standards Commission, to adopt regulations for risk-based water quality standards for the onsite treatment and reuse of non-potable water, as provided. The bill would authorize the state board to contract with public or private entities regarding the content of the standards and would exempt those contracts from, among other provisions, review and approval of the Department of General Services.

SB 979 (Cannella R – Merced) The Water Quality, Supply, and Infrastructure Improvement Act of 2014 provides that the sum of \$810,000,000 is to be available, upon appropriation by the Legislature, for expenditures on, and competitive grants and loans to, projects that are included in and implemented in an adopted integrated regional water management plan and respond to climate change and contribute to regional water security. The bond act requires \$200,000,000 of that amount to be available for grants for multi-benefit storm-water management projects. This bill would make a non-substantive change in those grant provisions.

SB 993 (Hertzberg D – Van Nuys) Would, on and after January 1, 2019, expand the Sales and Use Tax Law to impose a tax on the purchase of services by businesses in California at a specified percentage of the sales price of the service. The bill would require the tax to be collected and remitted by the seller of the purchased services. The bill would exempt certain types of services, including health care services, from the tax and would exempt from the tax a business with gross receipts of less than \$100,000 in the previous four quarters.

SB 998 (Dodd D – Vacaville) Would require an urban and community water system, defined as a public water system that supplies water to more than 200 service connections, to have a written policy on

discontinuation of water service to certain types of residences for nonpayment available in English, Spanish, or any other language spoken by at least 10% of the people residing in its service area. The bill would require the policy to include certain components, be available on the system's Internet Web site, and be provided to customers in writing, upon request.

SB 1037 (Cannella R – Merced) Prior to receiving an apportionment of funds under the Road Maintenance and Rehabilitation Program from the Controller in a fiscal year, current law requires a city or county to submit to the California Transportation Commission a list of projects proposed to be funded with these funds. Current law requires the commission to report to the Controller the cities and counties that have submitted a list of projects and requires the Controller, upon receipt of an initial or subsequent report, to apportion funds to cities and counties included in the report, as specified. This bill would make non-substantive changes to the provisions requiring the commission to submit the specified reports to the Controller.

SB 1145 (Leyva D – Chino) Current law authorizes a district to finance, among other things, the purchase, construction, expansion, or rehabilitation of property and related planning and design work. Current law prohibits a district from financing routine maintenance and repair work. This bill, instead, would authorize a district to finance the ongoing or capitalized costs to maintain public capital facilities financed by the district.

SB 1215 (Hertzberg D – Van Nuys) Current law declares it to be the established policy of the state that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This bill would also authorize the state board to set timeline and performance measures to facilitate completion of extension of service of drinking water.

SB 1262 (Newman D – Brea) Would remove the cap on the number of projects for which the Department of Transportation is authorized to use the CM/GC method, eliminate the minimum construction costs limitation, and make conforming changes to existing provisions. The bill would impose the requirement to use department employees or consultants to perform project design and engineering services on at least 2/3 of the projects delivered by the department utilizing the CM/GC method. The bill would delete the existing report requirements.

SB 1326 (Hueso D – Chula Vista) Current law, with specified exceptions, provides that provisions, clauses, covenants, or agreements contained in, collateral to, or affecting any construction contract entered into on or after January 1, 2013, with the owner of privately owned real property to be improved and as to which the owner is not acting as a contractor or supplier of materials or equipment to the work, that purport to impose on any contractor, subcontractor, or supplier of goods or services, or relieve the owner from, liability are unenforceable to the extent of the active negligence of the owner, including that of its employees. This bill would clarify that the contractual provisions described above are unenforceable if

the liability purported to be imposed is caused, in whole or in part, by the active negligence of the owner or its employees.

Recent Reports

Agronomy released ["Climate Change Trends and Impacts on California Agriculture: A Detailed Review."](#) "Among the warning signs found in California are increased maximum and decreased minimum temperatures, unpredictable precipitation, reduced snowpack, and a greater frequency of climate emergencies (like droughts and floods).... Fruits like apricots, peaches, nectarines, and plums have specific cold-weather requirements (at least as they're grown now). Currently, about 20-45% of the Central Valley is able to support those crops; by the end of the century, only 10% of that same area will be suitable.... For crops requiring even more cold weather, like apples, cherries, and pears? 'Virtually no areas will remain suitable by 2041-2060.'... Certain locations are more at risk; the Salinas Valley and the San Joaquin Valley looks to be the most vulnerable, while Northern California's wine country may not be hit as hard.... Alfalfa yields may actually see an increase.... Other crops, however, like oranges, almonds, and avocados, are likely to see moderate to substantial declines in yield."

Science Advances released [Global Climate Change and Local Land Subsidence Exacerbate Inundation Risk to the San Francisco Bay Area](#) "Under the new projections, San Francisco International Airport could see half of its runway submerged by the year 2100. Original estimates that did not include land subsidence were much lower. Other areas around the Bay that have been built on engineered landfill, like parts of Foster City and Treasure Island, are particularly vulnerable to the dual impact of subsidence and sea level rise . [T]he new estimates take into account a range of outcomes, from a 'best case scenario' of sea level rise—assuming countries follow the 2015 Paris agreement for emissions reductions—to more extreme cases, where the sea level rises faster because of an accelerated melting of Antarctic ice. At the more severe end of the spectrum, the level of flooding would far exceed the effects of sinking land." (New York Times, Mar. 7, 2018).

UC Berkeley Institute of Transportation Studies released [Future of Mobility White Paper](#). "Transportation is arguably experiencing its most transformative revolution since the introduction of the automobile. Concerns over climate change and equity are converging with dramatic technological advances... [This white paper] aggregate[s] current information and research on the state of key trends and emerging technologies/services, documented impacts on California's transportation ecosystem, and future growth projections."

Next 10 and Beacon Economics released [The Road Ahead for Zero-Emission Vehicles in California: Market Trends and Policy Analysis](#) "Buoyed by an exceptional sales year in 2017, the state's electric vehicle market will continue to grow this year and will reach 1.5 million zero-emission vehicles by 2025, an earlier target set by Gov. Jerry Brown . 2018 sales will piggyback on a 29.1 percent

increase of zero-emission vehicle sales in California in 2017, a turning point year. Currently, 337,483 zero-emission vehicles have been sold in California, reaching nearly 5 percent of the state's market share. Brown wants to speed sales even more. Last week, he set a new goal of 5 million zero-emission vehicles by 2030, a number the report said will be a challenge to meet unless more charging infrastructure is built. California has reached 16,549 public charging outlets, most in the nation. But that works out to be 0.05 per each zero-emission vehicle on the road in the state, "one of the lowest ratios in the country." (Orange County Register, Feb. 4, 2018)

Caltrans has released "Active Transportation in California, The Non-Motorized Transportation Facilities Report for Fiscal Year 2016-17," lists current "non-motorized transportation projects" focusing on bicycling and walking, notes the League of American Bicyclists' annual Bicycle Friendly State Survey ranked California third in the nation, an improvement from 19th in 2013; also notes SB 1, the Road Repair and Accountability Act, added \$100 million per year to the Active Transportation Project, bringing total funding to \$225 million annually.

California Dept. of Water Resources released results of its third manual snow survey at Phillips Station just west of Echo Summit on US 50, finds "a snow water equivalent of 29.4 inches, which is 39 percent of normal for early March."

CA State Auditor's office has released its report, "State and Regional Water Boards: They Must Do More to Ensure That Local Jurisdictions' Costs to Reduce Storm Water Pollution Are Necessary and Appropriate," says regional boards "have not adequately considered

the overall costs that local jurisdictions would incur to implement pollution control requirements they impose," says "Los Angeles estimates it will spend \$8.8 million over three years to comply with one requirement and that another pollutant control plan could cost 41 jurisdictions in the Los Angeles region over \$1.4 billion."

League of California Cities and California State Assn. of Counties have released their report, "Homelessness in California," the "culmination of more than a year of work by a joint task force formed in the fall of 2016" that "details tools and resources" for cities and counties to address homelessness, noting "the official count" of the homeless population in California is 134,278, "but experts agree the real number is far higher;" includes case studies and a "template that local governments can use to create a homelessness plan."

Appointments

By Senate Rules

To the Delta Stewardship Council: **Maria Mehranian**, La Canada, Democrat, chief financial officer at Cordoba Corporation. Term ends February 3, 2022.

To the Sacramento-San Joaquin Delta Conservancy Governing Board: **George Woolverton**, Marina Del Rey, Democrat, attorney and co-president of Stockwell, Harris, Woolverton & Helphrey. Term ends February 28, 2022.

By Governor.

Reappointed to the California Water Commission: **Daniel Curtin**, 69, Carmichael, Democrat, director of the CA Conference of Carpenters since 2001.

Bi-Monthly Board Meetings



Day:

First Thursday
of every other month

Time:

6:00 pm

Location:

Gayle Stewart Enterprises
1405 Warner Avenue Suite B
Tustin, CA 92780

Everyone is welcome!



**ASCE REGION 9 AND THE SAN FRANCISCO SECTION
2018 CALIFORNIA INFRASTRUCTURE SYMPOSIUM SPONSORS**

Region 9 and the San Francisco Section of ASCE would like to thank the following organizations for their generous contribution in support of the March 23, 2018 California Infrastructure Symposium:

Diamond Symposium Sponsor

AECOM

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Sapphire Symposium Sponsors



Emerald Symposium Sponsors



2018 California Infrastructure Symposium and Region 9 Awards Dinner Recap

by Lorraine Htoo, P.E., M. ASCE, Past San Francisco Section President, and 2018 California Infrastructure Symposium Committee Chair



On March 23, ASCE's Region 9 and the San Francisco Section co-hosted the 2018 California Infrastructure Symposium and Region 9 Awards Dinner at the War Memorial in San Francisco. Over 210 individuals attended with the dinner portion of the program at capacity.

The theme for this year symposium was "Keeping Dreams Big – Exceeding Future Infrastructure Needs" and with the topics presented by both the water

and transportation track speakers, you could read the marvel and inquisitive thought on faces across both session rooms.

Symposium goers were treated to three keynote speeches between a full day of water and transportation track programs. Attendees were greeted that morning by ASCE Region 9 Director Kwame Agyare and our Diamond Sponsor AECOM's representative, Kancheepuram "Guna" Gunalan, who introduced the morning keynote speaker, 2017-2018 ASCE Society President Kristina Swallow. Kristina Swallow drew attention to the 2017 National Infrastructure Report Card, mentioned Region 9's current efforts to update the California Infrastructure Report Card, and encouraged all attendees to participate actively in the ASCE Key Contact Program.



Photo 2. Diamond Sponsor, AECOM's representatives, "Guna" Gunalan and Teri Zink, with California State Transportation Secretary Brian Annis, and Region 9 Director Kwame Agyare

The symposium provided an array of topics with respect to water and transportation infrastructure. For water, the four topics included Water Infrastructure and Resilience; Sustainability and Envision; Dam Safety; and Innovative Approaches for Sustainable Water Supply Infrastructure in the 22nd Century. Many thanks to Tony Petrocchio of GHD for moderating the Water Track!

The Transportation Track covered the following four topics: Hot Topics in Roadways, Pathways and Ports; Station Area Development/Technology; Implementation on SB-1; and Rail/Mass Transit. Many thanks also to Don Sepulveda of Kleinfelder for moderating the Transportation Track!

The Symposium planning committee would also like to thank all the speakers for taking the time to present to our engineering community. Photographs from the entire event can be seen by using the following link: <https://308foto.smugmug.com/ASCE/CAIS2018>



Photo 1. ASCE Society President Kristina Swallow with Region 9 (California) Director Kwame Agyare

At lunchtime, AECOM's Teri Fink introduced the afternoon keynote speaker. Brian Annis, the California State Transportation Secretary, spoke on the positive impacts of the recently implemented Senate Bill SB-1 on transportation improvements in California.

Current San Francisco Section President, Elizabeth Bialek, introduced the closing keynote. She welcomed California State Water Resources Control Board Vice-Chair, Steven Moore, who stressed the importance of civil engineers remaining engaged in the State regulatory process.



Photo 3. California State Water Resources Control Board Member Steven Moore

Between the Symposium and Dinner, a networking and social hour was held between the Brian Education Center and the Green Room where both Symposium and Awards Dinner guests were treated to the melodies of a jazz trio and a spectacular view of the Civic Center.

The ASCE Region 9 Awards Dinner was a completely sold out event. Kwame Agyare started the evening off by introducing our dinner Keynote Speaker, ASCE President, Kristina Swallow. Matt Kennedy, ASCE Region Awards Committee Chair, was the emcee for the event, and took the stage to honor and recognize 15 individual awards and 22 project awards. Of note, the Region 9 Project of the Year was awarded to the City of Sacramento's Golden State Center Project, the new home of the NBA Sacramento Kings. The engineers of record on the project were Beuhler & Beuhler Structural Engineers, Inc. and Thornton Tomasetti.

For a complete listing of the award winners, please visit the California Infrastructure Symposium Website at caisregion9.org

Both the Symposium and the Dinner Awards were fortunate to have a number of sponsors pledge their support. The Symposium sponsors included our Diamond Sponsor, AECOM; our Ruby Sponsors, GHD, for the Water Track and Kleinfelder for the Transportation Track; our Sapphire Sponsor, HDR; and our Emerald sponsors, ASCE San Diego Section, ASCE Los Angeles Section, ASCE Sacramento Section, Vali Cooper & Associates, Akel Engineering Group, Inc., Urban Design Consulting Engineers, East Bay MUD, Earth Systems, and Pacific Advocacy Group.

Our Award Dinner Platinum Sponsors included California Baptist University - College of Engineering, Bechtel, and Magnus Real Estate Group; our Awards Dinner Gold Sponsors, TY Lin International, AD Solar, Bogie's Pump System, Ruth and Going, Inc., Yamabe & Horn Engineering, Inc., Great Lakes Environmental and Infrastructure, Cornerstone Structural Engineering Group, Ed Anderson, and Griffin Structures; our Awards Dinner Silver Sponsors, Overaa Construction, Terra Engineers, Valued Engineering Inc., Vanderweil Power Group, Urban Design Consulting Engineers, and Provost & Pritchard.

Region 9 also called on attendees of both the symposium and the dinner awards banquet to participate in the Dream Big \$5 Schools Challenge. For a minimum \$5 donation, the public school of your choice would receive a DVD copy of Bechtel and ASCE's documentary "Dream Big", a film released nationwide last year across multiple IMAX and theatres which encourages our youth to take up careers in engineering. On the heels of the successful showing of Dream Big all around the world, a special Region 9 Director's awards was given to Bechtel, the presenting sponsor of Dream Big, for their contribution and partnership in developing the movie. To learn more about the \$5 Schools Challenge, please visit engineersdreambig.org.

On behalf of the chairs for the events, Matt Kennedy and I would like to thank all our Speakers, Award Winners, sponsors, participants, administrators and volunteers, from student to Region level, for making the events a huge success! We look forward to the Symposium and Dinner Awards to be held next year in San Diego!

For any further details about the 2018 Symposium event, please contact me at Lorraine.Htoo@GHD.com, or the ASCE Region 9 Administrator, Anne Ettley, at aettley@gmail.com.



Engineers Week



Girls Scouts Day @ CSUN

ASCE LA Younger Member Forum's Engineers Week 2018 hosted over 600 students during five days of events including Elementary School Day, Middle School Day, Ladies Day, High School Day, and a new event this year, Girl Scouts Day! Four elementary schools enjoyed a tour of City Hall, met City of LA Councilmember David Ryu of District 4, and were able to put their engineered egg drop devices to the test in City Hall's rotunda! Four middle schools learned about sustainable engineering at the La Kretz Innovation Campus and heard presentations by LADWP's Richard Harasick and SpaceX's Myles Bean! Female middle school and high school students were able to hear from ASCE's Society President, Kristina Swallow, and met with City of LA Councilmember Paul Krekorian of Council District 2 at LA City Hall after taking in the views from the Tom Bradley Room! Five high schools visited the MWD Headquarters to hear from engineers Howard Lum and Arman Motavvef of MWD, and Michael Staab of NASA JPL. Students were led by groups of practicing engineers from LA YMF to design and test catapults with some hitting the target on their first shot! The Girl Scouts of Greater Los Angeles toured California State University - Northridge, and did three hands-on engineering activities to earn STEM badges while being mentored by

female engineers and engineering students throughout the day! Great job to all the event day leads, Brian Phan of LADOT, Eugenia Lin of LADWP, Christina Jones of LASAN, Ruwanka Purasinghe of LADWP, Flor Burrola of LASAN, and the Engineers Week Chair, Monica Morales of CH2M Now JACOBS, for organizing a week's full of activities during National Engineers Week! ASCE LA YMF hopes to inspire future engineers through events like these by educating and introducing engineering to students at an early stage in their academic career. Special thanks to our gold and silver sponsors LADWP, LABOE, CH2M Now JACOBS, MWD and Council District 4, who help support ASCE LA YMF to keep putting on the Engineers Week Celebration each year!



High School Day @ MWD



Ladies Day @ LA City Hall



Elementary School Day @ LA City Hall

ASCE
American Society of Civil Engineers

www.ascelasection.org

Student Night & Job Fair



Every year, the ASCE LA Younger Member Forum hosts Student Night & Job Fair. It is a signature event that draws hundreds of guests, including students, career representatives, and young professionals for a night of networking and student recognition. This year the event was held at the Taglyan Complex

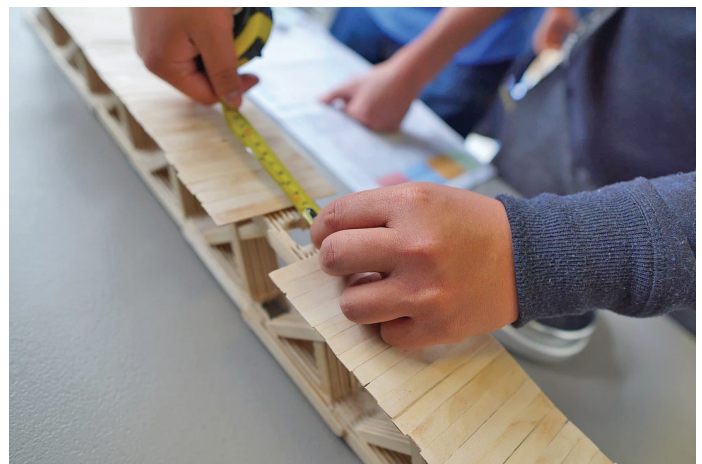
in Hollywood on February 2nd, 2018. ASCE LA YMF brought together student leaders from the 11 LA Section Universities and connected them with 22 companies that cover the entire state of California (yes, companies flew in for this high quality job fair!). The awards banquet consisted of fine Armenian dining, distinguished speakers, surprise raffles, and copious selfies. Speakers Howard Lum, Unit Manager for Metropolitan Water District and Professor Joseph Reichenberger from Loyola Marymount University gave their remarks on the importance of infrastructure and the role students will have on tackling our civil engineering challenges. Congratulations to all the scholarship award recipients: Breggie Tuazon from and Jasmin Hurtado from Cal Poly Pomona, Bryan Hong, Trini Inouye, and Eric Roberts from UCLA, Michael Clark from Cal Poly SLO, and outstanding Student Chapter of the Year Cal Poly SLO. The event awarded \$15,000 in student scholarships which recognized these students for their outstanding work in civil engineering academia. LA YMF hopes to encourage these students to continue pursuing their passion and making their mark on the world. The event was an amazing success thanks to all our sponsors, student attendees, speakers, and volunteers. We are excited to continue building on this successful event for years to come!



Popsicle Stick Bridge Competition



On March 3rd, 2018, ASCE LA Younger Member Forum (LA YMF) hosted the 24th Annual Popsicle Stick Bridge Competition (PSBC) at California State University, Los Angeles (CSULA). The event brought over 50 schools with over 200 High School students and 70 volunteers for an action packed day of friendly competition and engineering education. ASCE LA YMF had the pleasure of hosting ASCE Society President-Elect Robin Kemper as its keynote speaker, and Isamar Escobar of OC Branch provided information on her Bridges to Prosperity Project. The theme around this year's PSBC actually focused on this project, as the students were asked to build a bridge that resembled a scaled version of a 100' long bridge that would cross a river in Nicaragua. Besides the fun bridge testing competition, students took part in campus tours that were led by CSULA's ASCE Student Chapter, which highlighted the University's Concrete Canoe and Steel Bridge for this year's Pacific Southwest Conference. The day wrapped up with a special screening of ASCE's Dream Big film, which further introduced the students to real world engineering. ASCE LA YMF is excited to host PSBC again next year, and is planning to continue hosting it at an engineering University to continue to inspire high school students to pursue a career in engineering!





ASCE Region 9 Legislative Day Wednesday May 16, 2018 California State Capitol, Sacramento

The 2018 ASCE Region 9 Legislative Day will take place in Sacramento on Wednesday May 16, 2018 during National Infrastructure Week 2018.



Morning Training Session will be held at: Department of Water Resources Auditorium, 1416 9th Street, Sacramento, CA 95814. Highlights of the Legislative Day Agenda include:

- 9am-12noon: A half-day training session on the political process
- 9:15am: How an Idea becomes a Law
- 10am: Briefings from the ASCE Region 9 Legislative Advocate & ASCE Society Staff
- 11am: Presentations by Legislative Officers and Elected Officials
- 12noon: Lunch & Attendee Networking
- 12:45pm: Group Photograph
- 1-5pm: Walk to the State Capitol to meet with State Legislators
- 5-7pm: Recap of the day (at the Hyatt Regency Hotel lobby)

There is no registration fee to attend. Participants are responsible for their own travel expenses and must register so that legislative appointments may be scheduled.

Register at

<http://events.r20.constantcontact.com/register/event?oeidk=a07ef4yb7968af4679f&llr=zd5wehpab&showPage=true>

Please contact Anne Ettley, ASCE Region 9 Administrator, at aettley@gmail.com, if you have any questions regarding the ASCE Region 9 Fly-In.



May 14-18, 2018 | #TimeToBuild | #ASCER9GovRel



13th ANNUAL CAMP PENDLETON DAY 2018

Hosted by the Society of American Military Engineers
Orange County and San Diego Posts

Save the Date – June 21, 2018

MISSION... POSSIBLE!

Please join us for a day of learning, networking, and giving back at the 13th annual Camp Pendleton Day!

- *Latest Camp Pendleton Happenings*
- *Headquarters Marine Corps Update*
- *NAVFAC SW Procurement Forum, Part II –
Improving Capital Improvements Contract Vehicles and Execution*
- *NAVFAC SW Environmental Update*
- *USACE-LA Construction Update*

This year's Camp Pendleton Day will continue hosting a concurrent TRANSITIONING: MILITARY TO CAREER (TMTC) event to provide mentoring and networking opportunities to transitioning military and veterans. For more information regarding TMTC, please contact Joe Rubio (joe.rubio@bluenoseit.com).

When: Thursday, June 21, 2018
7:30 a.m. – 2:30 p.m.

Where: Pacific Views Event Center
202850 San Jacinto Road
MCB Camp Pendleton, CA 92055

REGISTRATION DEADLINE: JUNE 1

See note below.

Registration and Fees: Sponsor and exhibitor registration currently being accepted.

General attendee registration is now open on the
SAME Orange County Post's Events Calendar:
<http://sameoc.org/calendar.html>

- ★ **Early Bird Rate to May 11th**
\$100 SAME Members / \$120 Non-SAME Members
- ★ **Regular Rates to June 1st**
\$120 SAME Members / \$140 Non-SAME Members
- ★ **Chapter Student Members and Active Duty Military – No Charge**

NOTE: MCB Camp Pendleton has implemented a policy that focuses on stricter access control procedures.
Registrants must provide identification details 2 weeks in advance of the event to ensure Base access.

**Proceeds
will benefit:**



SPONSORSHIP FORM ATTACHED

Please contact alicia.meza@aecom.com for additional details.



13th ANNUAL CAMP PENDLETON DAY 2018

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Sponsor/Exhibitor Registration!

Event Location: Pacific Views Event Center, 202850 San Jacinto Road,
MCB Camp Pendleton, CA 92055, 7:30 AM to 2:30 PM, Thursday, June 21, 2018

Firm Name: _____
Address: _____
Contact Name: _____ Phone: _____ Email: _____

Category	Benefits	Cost	Select
GOLD	One choice exhibit space, three attendees, name/logo on signage and in slide show, full page ad in program, one representative at lunch table with keynote speaker, opportunity to make a two-minute oral presentation during lunch. Company name announced during presentations and lunch. Includes TMTC sponsorship (see details below).	\$2,500	
SILVER	One preferred exhibit space, two attendees, name/logo on signage and in slide show, half page ad in program, name announced during presentations and lunch.	\$1,250	
BRONZE	One exhibit space, one attendee, name/logo on signage and in slide show, 1/4 page ad in program, name announced during presentations.	\$750	
EXHIBITOR	One exhibit space and one attendee.	\$400	
LUNCH	One attendee, name on signage and in slide show, recognition during lunch and business card ad in program.	\$500	
TRANSITIONING: MILITARY TO CAREER	Name in slide show, recognition during both TMTC and CPEN Day, opportunity to highlight your firm to TMTC attendees (Attendee not included)	\$150	
SMALL	Name in slide show and logo in program. (Attendee not included)	\$150	

Enter Attendee #1 Information						
First Name	Last Name	Suffix	Date of Birth (mm/dd/yyyy)	Driver's License/ID #	State	
Enter Attendee #2 Information						
First Name	Last Name	Suffix	Date of Birth (mm/dd/yyyy)	Driver's License/ID #	State	
Enter Attendee #3 Information						
First Name	Last Name	Suffix	Date of Birth (mm/dd/yyyy)	Driver's License/ID #	State	
Member Attendee Registration Per Person \$100; After 5/11, \$120 Non-Member Attendee Registration Per Person \$120; After 5/11, \$140 <i>Please note that rate structure and discounts will be strictly enforced. Registrations must be in by 6/1.</i>						
Total Amount Enclosed						

This form is for Sponsors/Exhibitors registration only. Registration for attendees (Non-Sponsor/Non-Exhibitor) is now available and can be made ONLY at www.sameoc.org.

To register as a Sponsor or Exhibitor, please email this form and mail a check with a copy of the form to Ms. Alicia Meza at the address below. Payments should be in the amount of the "Total Amount Enclosed" and made out to the "Society of American Military Engineers, Orange County Post."

Send payment to: Ms. Alicia Meza c/o AECOM, 999 W. Town and Country Road, Orange, CA 92868
alicia.meza@aecom.com

Contacts for additional sponsorship information:

Mr. Jim Carter
jcarter@emaxlabs.com

Mr. Ryan Thurmes
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Sponsor/Exhibitor Benefits

Sponsorship Benefits	Sponsorship Types						Exhibitor Only
	Gold	Silver	Bronze	Lunch	TMTC*	Small	
One Rep. at Keynote Speaker Table	★						
2-minute Oral Presentation	★						
TMTC Sponsorship	★						
Exhibit Space	★ Choice	★ Preferred	★				★
Complimentary Registrations	3	2	1	1	0	0	1
Signage	★	★	★	Name	Name		
Continuous Slide Show	★	★	★	Name	Name	Name	
Sponsorship Announcement	★	★	★	★	★		
Program Ad Size	Full Page	Half Page	Quarter Page	Business Card	Logo	Logo	

*TMTC is Transitioning: Military to Career

Sponsors and Exhibitors are encouraged to add

Transitioning: Military to Career (TMTC) as a second, supplementary sponsorship.

EXHIBIT BOOTH SPACE AVAILABLE

Avoid the Rush!! Reserve your space now!!

Spaces are limited. Please register early.

- Booths will be approximately 10' x 10' with 1 table and 2 chairs provided. In general, electric power is not available at most of the booth locations. If requested and available, the Committee will allocate booths with access to power in accordance with registration seniority.
- Sponsor ads (full, half, 1/4 page or business card, as appropriate) will be included in the program IF sent in electronic format via email or delivered on disk **NO LATER THAN JUNE 1st**.
- All exhibitor and sponsor firm names will be included in the program.

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All graphic materials submitted for use in the ASCE newsletter should have all fonts outlined, and links included; EPS or PDF files preferred. Other formats are Adobe InDesign or Adobe Illustrator (any version); additional acceptable file formats are JPEG or TIFF files (minimum 300 dpi). Images embedded in Microsoft Word documents should be sent separately, at a minimum resolution of 300 dpi at the display size desired. Collected files, including links and fonts, should be compressed and e-mailed, or sent on CD or Zip disk (provide return address). Business cards can be submitted electronically as well, or send clean, crisp, B&W laser print, unfolded. This publication's size is 8½" x 11".

Los Angeles Section

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