

# Los Angeles Section

*Monthly: Est. 1913*

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## OFFICERS'S MESSAGE

Seema C. Shah-Fairbank, P.E., Ph.D., M.ASCE  
Los Angeles Section President



### President's Message

As civil engineers we are faced with making important decisions that will change how we analyze, design and construct infrastructure. As leaders, we are responsible for putting together teams that work towards this common goal. Our teams inspire people to believe in our work and make a difference within our community. In any team, there are two moving parts: individual and the team.

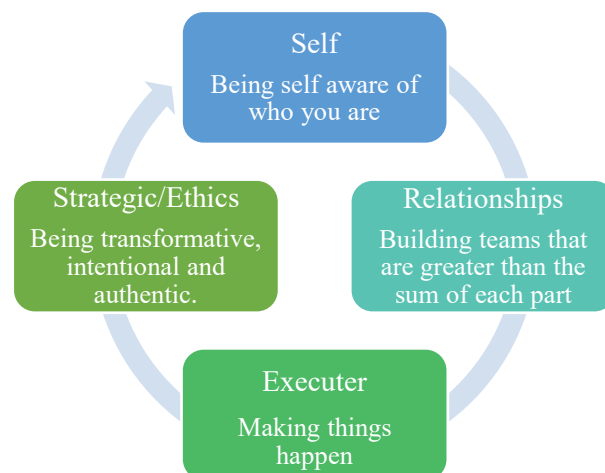
As an individual you need to consider your words and actions, are you intentional, consistent and positive? Does the team as a whole understand and respect each person's individuality?

These are essential questions to address to ensure a positive team environment, which will help us grow as leaders.

Many times, we think of the leader as the project manager for the job or the boss within the organization, but there are so many more leaders. A leader is someone who mentors, communicates and collaborates. Regardless of our individual role on the team, we all can emerge as leaders working together towards a common goal.



To be a leader, we need to be self-aware, grow our relationships, execute projects and be strategic thinkers. We need to hone in on our skills and learn how to become stronger. This can only be accomplished through practice. The more we do "it", the better we will become at "it".



According to Meriam-Webster a leader is someone who guides other people. Thus, let's work together to guide our fellow civil engineers to join ASCE. Within ASCE we can all become more active and practice our leadership skills, which will help us grow professionally.

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# Region 9 Younger Member Forum (YMF) Council Update

by Guy Hopes, P.E., M.ASCE, Chair, ASCE Region 9 YMF Council



## The Region 9 YMF Council Update

It's Fall again and season's greetings from the Region 9 YMF Council! The Region 9 YMF Council comprises leaders from each Sections in Region 9 (San Diego, Los Angeles, San Francisco and Sacramento), and the Council meets regularly to update each other on multiple topics including: ongoing activities, communications with universities, ASCE strategic initiatives, and opportunities for collaboration. We

have been growing, allowing multiple representatives from each Section to take part. If you or a colleague are interested in sitting on the Council, please reach out to Guy Hopes; there's room at the table for all!

ASCE membership provides many benefits and opportunities to its members in all the membership classifications (student, associate, member, fellow, etc.). Younger Members (members at and under the age of 35) are a significant part of ASCE, and many Sections and Branches have set up Younger Member Forums (YMFs) to encourage younger member involvement within each Region, see Figure 1 below showing the types of members within the Younger Members classification in 2020.

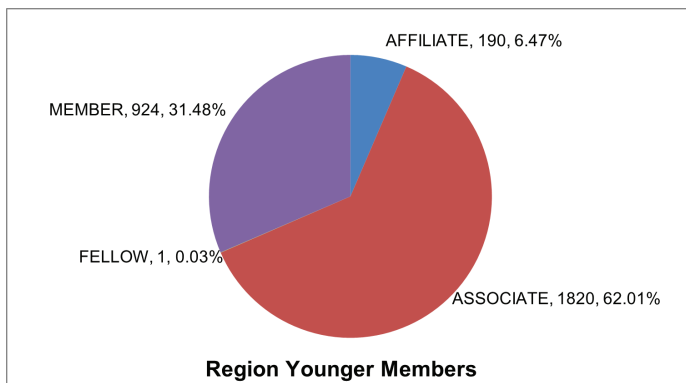


Figure 1 – Younger Member Classification in Region 9 during 2020

During my ten (has it been that long??) years of experience with the YMF in Region 9, I have had countless opportunities to meet leaders from around the globe and be a part of many impactful projects and initiatives that help the engineering community. I also travel a great deal for work, and I am fortunate to have a whole network of young professionals in many of the cities I travel to for projects. Our role in ASCE as Younger Members (YMs) is vital to the future of ASCE. The Region 9 YMF Council's goal is to help improve overall communication among younger members and to promote collaboration. As Chair of the Council, I have seen these leaders further these goals in Region 9 and even reach out to other Regions nearby!

Taking a look back at last year, the Council completed and submitted bylaws establishing itself as a formal council within Region 9. The Council is also reviewing and updating the Best Practices Guide that has the following topics for YMs around Region 9:

- Virtual meeting ideas and distanced event considerations for member engagement;
- Guidance for Traveling Younger Members and connections to nearby groups;
- Communications to universities and recruitment;
- Championing ASCE Society and Region 9 initiatives to the community; and
- Updating the Best Practices for each Younger Member Group.

The Council has been meeting regularly; focusing on communications between Region 9 and the YMs. Some of the goals we are continuing to foster are:

- Providing a link between 12 Younger Member Groups and the Region 9 Board of Governors;
- Facilitating student transition within the Region; and
- Serving as a resource for traveling/relocating YMs in and out of the Region.

When the Council Bylaws and Best Management Guide is updated in the coming year, it will be distributed to the members, the Society database and then publicized at the upcoming large ASCE conferences. Additionally, the Council plans to reach out to multiple Student Groups and promote formations of email address, and even officer position creation, which will enable YMF's to reach out more consistently. As we grow as professionals, let us continue to reach back and help the others around us as they come up, much like the professionals who have helped us. A lot of kind folks in and out of the organization got me where I am today and it's my honor and pleasure to continue with that service mindset to further our great profession, despite these trying times.

Whether you have taken a little break from ASCE, or attend meetings infrequently, or are a Board Member of your local YMF (wearing multiple hats and taking on multiple projects), your input is important, we want to hear from you and our Council needs engagement to continue to serve. Please do not hesitate to reach out to me if you have any additional ideas to help improve Region 9 YMFs.

For more information, contact Guy Hopes, Chair, ASCE Region 9 YMF Council, at [ghopes53@gmail.com](mailto:ghopes53@gmail.com)

## Obituary

# Charles Terry Dooley (June 24, 1930 – September 27, 2020)



We celebrate Charles “Terry” Dooley who led a full life of service to family, career, and community. Born in Hammond, IN, Terry spent much of his childhood in South Bend, IN, where he became a life long Fighting Irish fan. He was the oldest of five siblings. Terry received a BA in Liberal Arts from St. John’s University in Minnesota in 1951, also the year he married the love of his life, Kathleen Hughes Dooley. They moved to Champaign, Illinois, where they started

a family while Terry completed his BS in Civil Engineering in 1954. Accepting a job with Bethlehem Steel, the family moved to the west coast where Terry spent the next 26 years in Bethlehem’s construction divisions. He was involved in the erection of bridges in California, and the Pacific northwest, with high voltage transmission towers across Arizona, and helped pioneer seismic construction technologies with the building of the earliest ductile moment-resisting space frames in reinforced concrete in Los Angeles. He received his ME degree from UCLA in 1969, in the Executive Engineering Program. Kathy and their six children fondly remember peering into construction holes, admiring bridges, and road trips to the national parks.

Starting in 1981, Terry spent 21 years with Morley Builders of Santa Monica. Highlight projects included the Powell Library seismic upgrade and architectural restoration project at UCLA, the seismic base isolation of Rockwell (now Boeing) Building 80 in Seal Beach, and the Cathedral of Our Lady of the Angels in Los Angeles. Each had a significant seismic performance component. When the cathedral was dedicated in 2002, Terry retired from Morley Builders and founded the ACE Mentor Program in Southern California, where his leadership and passion for helping students led to the creation of 27 inner-city high school teams each paired with a half-dozen mentors from the southland’s top firms in architecture, construction and engineering. In addition to the vibrant field trips and construction challenges, thousands of students have received college scholarships.

Terry was a Fellow of the American Society of Civil Engineers and the co-winner of its 1991 Awards for Innovation in Civil Engineering for Rockwell Building 80. He was an Honorary Member of the American Concrete Institute, and received its Corbetta Award for “contributions to the advancement of construction techniques in seismic repair and retrofit.” He was also an Honorary Member of the Structural Engineers Association of Southern California. Terry participated in many industry organizations and served as a member of the Board of Directors of the Los Angeles Area Chamber of Commerce and chaired its Construction Industries Committee.

Kathy and Terry have been active members of St. Cyril’s Catholic Parish in Encino since 1960 where Terry sang in the choir for many years. They have also been Oblates of St. Andrew’s Benedictine Abbey in Valyermo. His passion for choral music led to strong support of the Los Angeles Master Chorale. Terry and Kathy have been role models for social justice for their children, grandchildren, great grands and the community through their active support of MEND (Meet Each Need with Dignity), and their active leadership of the Fair Housing Council of the San Fernando Valley since the 1960s. A highlight of Terry’s work for civil rights was his participation in Dr. Martin Luther King Jr.’s 1965 Selma march.

His dedication and care for family, upstanding character, work ethic, and enthusiasm for live music performances and ice cream will be missed. Terry leaves behind his wife of 69 years, Kathy, six children Beth Virani, Brendan Dooley (Linda), Jeanne Reinelt (Doug), Nina Dooley (Craig South), Paul Dooley (Caroline), Martha Dooley, twelve grandchildren Lisa, Neil, Tina (Rob), Cindy, Ryan (Bita), Matt (Naomi), Katie (Chris), Heather (David), Eric, Erin, Michael, Kathleen, and eleven great grandchildren Damon, Lily, Noah, Sage, Grace, Colin, Alyssa, Aiden, Olivia, Emma, and Dean.

In lieu of flowers, the family requests donations be made to ACE Mentor, MEND or St. Andrew’s Abbey.

## ASCE seeks comments on new sustainability standard

ASCE is conducting a public comment period on the new standard activity ASCE/COS 73-XX Standard Requirements for Sustainable Infrastructure, open now through Jan. 25, 2021.

ASCE is pursuing an ASCE/ANSI accredited, outcome-based, life-cycle consensus standard, intended to guide sustainable infrastructure development across all infrastructure sectors. As a mandatory standard, the provisions of the standard are intended to be suitable for regulatory or contractual purposes.

ASCE members can review the standard and provide comment through Jan. 25.

For additional questions, contact James Neckel, ASCE’s codes and standards coordinator, at [jneckel@asce.org](mailto:jneckel@asce.org) or 703-295-6176.



# Region 9 History & Heritage Committee Update



by Chuck Spinks, P.E., M. ASCE, Chair, Region 9 History & Heritage Committee



If you are looking for something to do in your free time that will get you out of the house and allows for plenty of social distancing, why not visit some of the Historic Civil Engineering Landmarks (HCEs) across the state? There are more than 100 HCEs in California. Whatever your interest...bridges, railroads, aqueducts, dams, buildings...almost anything designed by civil engineers has been designated as a Landmark (if it is more than 50 years old).

To locate the HCEs near you, Region 9 has a fabulous website prepared by the History & Heritage Committee Vice Chair Andy Machen: <https://www.asceregion9historyandheritage.net/>

The site includes lists of all of the Region 9 National and local HCEs, as well as interactive maps and copies of Historic Civil Engineering Landmark booklets prepared by the Sections. Your input would be appreciated in identifying any landmarks that have been missed through the forum section. Also, please provide suggestions on how the website could be improved using the suggestion box on the website.

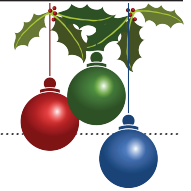
You will also help the Society by visiting the HCEL sites. The Society History & Heritage Committee has an on-going program of cataloging all of the HCEs across the US. The first goal was visiting and photographing all of the National HCEL plaques, which is almost complete. The next step is visiting the local HCEs and confirming the location and condition of the HCEL plaques. Many of the local plaques are missing or damaged or in locations not accessible by the public. Collecting information on the plaques will help us determine which plaques need to be replaced, relocated, or cleaned.

Another effort we are pursuing is identifying new potential Historic Civil Engineering Landmarks. There are many unrecognized but significant civil engineering projects in California. Maybe it is a local HCEL that is significant enough to receive a National award. Anniversaries are a good theme for new National HCEs to be adopted, which is accomplished by looking back at what was constructed, for example

50, 75, or 100 years ago. Sacramento Section will be celebrating 100 years in 2022, which would be a great year to have some NHCEL award ceremonies. If you have some ideas for HCEL awards, contact your Sections. The History & Heritage Chairs for the four California Sections are: Charlie Kavanagh with the San Francisco Section; Thor Larson for the Sacramento Section; William Lawson for the Los Angeles Section; Philip Kern with the San Diego Section.







# State Investments and Legislative Update

by Richard Markuson, CA Region 9 Legislative Advocate



The Legislature has adjourned until Monday, December 7, 2020. On the 7th they convened the 2021-22 Regular Session and adopted rules of the session and pick their leaders. They will then recess until January 4, 2021. At this point – it is unclear if 2021 will look like the 2020 Coronavirus session or look more like a normal year.

## Reports of Interest

Public Policy Institute of California released a report titled “Water Partnerships between Cities and Farms in Southern California and the San Joaquin Valley,” it finds “significant declines in water demand” by urban Southern California has “reduced pressure on supplies during normal and wet years,” making “future droughts the primary concern,” meanwhile in the “overdrafted San Joaquin Valley” there is “heightened interest in expanding water supplies and underground storage,” recommends that by “coordinating the location of infrastructure investments” partnerships between Southern California cities and San Joaquin Valley farms could “help alleviate groundwater overdraft in the valley while building drought resilience in Southern California,” noting that “such partnerships would support Governor Newsom’s Water Resilience Portfolio.”

Dept. of Water Resources released “Water Year 2020: Summary Information,” finds overall precipitation in state that fell between Oct. 1, 2019 and Sept. 30, 2020 was “below average” and while “Northern California was mostly dry, parts of Southern California experienced above average precipitation;” overall reservoir storage through 9/30 projected to be 93% of average.

PEW Research released Work Zone Crashes Climb During Pandemic. “Travel on all roads and streets dropped 40% in April and 26% in May, compared with last year, according to the Federal Highway Administration. But fatal crashes increased in some states. And while traffic volume has picked back up in recent months, work zone crews still are encountering speeders and more-distracted drivers.... It’s been particularly deadly in Michigan, where in just one week in September, vehicles struck three county employees and a state contractor in separate incidents, killing two... And it’s not just workers who get hurt. Drivers and passengers also suffer...”

Environmental Research Letters released Intensified Burn Severity in California’s Northern Coastal Mountains by Drier Climatic Conditions. “According to the historical data, about 36% of all fires between 1984 and 2017 in the mapped area burned at high severity, with dry years experiencing much higher burn severity... The research highlights the importance of careful land-use planning and fuel management in the

state’s most vulnerable areas to reduce the risk of large, severe fires as the climate becomes drier and warmer.”

Bay Conservation and Development Commission released Adapting to Rising Tides Bay Area: Short Report Summary of Regional Sea Level Rise Vulnerability and Adaptation Study. “In the highest risk but least likely scenario, Sea level rise, barring other climate impacts like drought or wildfires, will most likely submerge between \$8 and \$10 billion in property by 2060, the report’s authors said. The report analyzes the impacts of a 48” Total Water Level (TWL) scenario and finds that this will mean the loss of thousands of jobs, 60% of the state’s iconic beaches and miles of rail and transit lines, the [Legislative Analyst’s Office] warned. All of this would have impacts on beach access, water treatment plants, roads and even airports.” Also, for more background information, Sea levels globally have risen about eight inches since 1880 and is predicted to worsen as the climate crisis grows, the National Oceanic and Atmospheric Administration reports. Also, the goal of the state’s Ocean Protection Council is to prepare for 3.5 feet of sea level rise by 2050.

## Appointments of Interest by the Governor:

As Southern California regional director at the California High-Speed Rail Authority: **LaDonna DiCamillo**, Long Beach, regional assistant vice president of state government affairs at the BNSF Railway Company since 2014.

As director of risk management and project controls at the California High-Speed Rail Authority: **Jamey Matalka**, Sacramento, assistant chief financial officer at the Authority since 2016.

To the Santa Ana Regional Water Quality Control Board: **Letitia Clark**, Tustin, district director of public affairs and governmental relations at the South Orange County Community College District since 2018 and a member of the Tustin City Council 2016.



**Brian Phan,**  
PE, M.ASCE



Excellence in Journalism/Civic Duty

**Shahnawaz Ahmad,**  
PE, F.ASCE



Lifetime Achievement Award

**Jefferey Meiter,**  
PE, PLS, M.ASCE



Outstanding ASCE Branch Officer

**Lisa Star,**  
PhD, PE, M.ASCE



Outstanding ASCE Faculty Advisor

**Douglas J. Sereno,**  
PE, F.ASCE, D.PE



Outstanding ASCE Life Member

**Claris Rivera,**  
A.M.ASCE



Outstanding ASCE Practitioner Advisor

**Melissa T. Barbosa,**  
PE, M.ASCE



Outstanding ASCE Section Officer

**Chloe Gharios,**  
EIT, A.M.ASCE



Outstanding ASCE YMF Officer

**Meghrie Demirdjian,**  
PE, M.ASCE



Outstanding Civil Engineer  
In Community Service

**Luis David Molina,**  
EIT, A.M.ASCE



Outstanding Civil Engineer  
In Legislative Activities

**Kathereen M. Shinkai,**  
PE, M.ASCE



Outstanding Civil Engineer  
In the Private Sector

**Michael A. Kraman,**  
PE, M.ASCE



Outstanding Civil Engineer  
In the Public Sector

**Matthew Jacobson,**  
EIT, ENV SP, S.M.ASCE



Outstanding Civil Engineering Student

**Chirath "Chuck"  
Karunathilake,**  
EIT, A.M.ASCE



Outstanding Younger Civil Engineer

**Harley Rouda**  
United States  
Congressman



State Legislator of the Year

**Seema Chandrakant  
Shah-Fairbank,**  
PE, PhD, M.ASCE



President's Award

**Ravi Shah,**  
PE, QSP, QSD, M.ASCE



Carl Blum Award

**ASCE**  
LOS ANGELES SECTION

2020  
Individual  
Awards





LOS ANGELES SECTION

## 2020 Project Awards

### Lake Forest Civic Center Project City of Lake Forest



Architectural Engineering Project

### Implementation of the Bicycle Transportation Plan Project, Phase 3 City of Glendale



Bikeways & Trails Project

### Cow Camp Road Bridge over Gobernadora Canyon Rancho Mission Viejo



Bridge Project

### Safe Routes to School Little Street Demonstration LADOT

Margot Rogers-Ocañas



Community Improvement Project

### AES Huntington Beach Energy Project and Alamitos Energy Center AES Corporation



Construction Project of the Year

### Chevron Lost Hills Solar Project Chevron SJVBU/SunPower



Energy Project

### Menifee Landfill Final Cover and Drainage Remediation Riverside County Department of Waste Resources



Environmental Engineering Project

### Amethyst Basin San Bernardino County Flood Control District



Flood Management Project

### Borrego Wash Improvement Project NMG Geotechnical, Inc.



Geotechnical Project

### Smith Hall Renovation Chapman University



Historical Renovation Project

### Lincoln Park Recreation Center Pool & Bathhouse Replacement City of Los Angeles, Bureau of Engineering



Parks and Recreation Project

### Spring Valley Lake Community Road Revitalization Project San Bernardino County Public Works Department



Roadway & Highway Project

### Live Oak Canyon/ Trabuco Canyon Road Highway Safety Project County of Orange



Small Project

### Old Towne West Metrolink Parking Structure City of Orange



Structural Engineering Project

### San Sevaine Basin Improvements in Rancho Cucamonga IEUA/Chino Basin Watermaster



Sustainable Engineering Project

### Bayside Drive Improvements City of Newport Beach



Transportation Project

### RUHS Medical Office Building Riverside University Health System



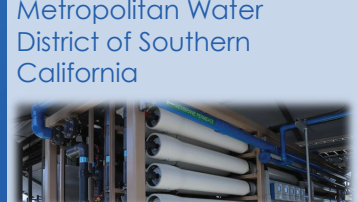
Urban or Land Development Project

### Semitropic Water Storage Shafter-Wasco Irrigation District



Water Project

### Regional Recycled Water Advanced Purification Center Metropolitan Water District of Southern California



Water/Wastewater Treatment Project



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LOS ANGELES SECTION



### Reminder:

Copy deadline for the February 2021 issue is January 1, 2021; copy deadline for the March 2021 issue is February 1, 2021.

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# Los Angeles Section

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