

# THE ARIZONA CIVIL ENGINEER

Volume 95 Issue 5 - March 2020

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## Job Openings

**Engineering Project Manager**  
City of Tucson

**Civil Engineer (Roads)**  
SRPMIC

**Water Resource, Condition Assessment  
Engineer**  
Black & Veatch

*For more information visit the [Job Bank](#).*



## **A Message from the President**

**Breanna Connolly, PE, M.ASCE,  
ASCE AZ**

As we gear up for spring to officially kickoff on March 19, it's a great time of year to do some spring cleaning physically and mentally. Physical space and mental space go hand in hand. Studies have shown that a tidy space lowers stress levels and makes you feel better. Taking the next step to de-cluttering and getting rid of things you do not need, typically adds to the feeling of happiness and freedom. De-cluttering gives us a way to take control and give focus to the things that are more important to us. De-cluttering can be done in our physical space and mental space. Mentally, we've reassessed our goals and priorities in January and now it's time to also put those things out of our minds that are not getting us closer to those goals and allow room for

better things.

I encourage everyone to take some time to start by donating things they do not need or use. There are lots of great places that accept donations to go to those in need and many will even pick up items for free. Some organizations include: Goodwill, St. Vincent de Paul (their mission is feeding, clothing, housing and healing individuals and families), St. Joseph the Worker (they help remove barriers by providing the resources necessary to gain and maintain employment, i.e., by providing work clothes), and Big Brothers/Big Sisters (seeks to change the lives of children facing adversity).

In other news, February was a mixed month for engineers. Our industry is currently being threatened by Arizona Senate Bill (SB) 1274 & SB 1298. The Legislature is proposing these bills without Board or industry input. SB 1274 is structured so that the governor would appoint people to the **Arizona Board of Technical Registration**, the Board of Barbers, the Board of Cosmetology, the Arizona State Board of Accountancy, the State Board of Funeral Directors and Embalmers, and the Board of Massage Therapy who aren't licensed professionals. This would result in the majority of board members being comprised of non-professionals who would set our professional standards and decide the minimum qualifications to become a civil engineer. SB 1298 amends the definition of Engineering Practice, removing language allowing the Board to investigate and discipline non-registrants practicing or offering to practice professional engineering.

To contact your representatives regarding these bills you can start by visiting the following website: <https://www.azleg.gov/memberroster/>

To track the status of these bills, you can visit the following website: <https://www.azleg.gov/bills/>

Ending on a positive note, in February we are also celebrating E-Week! Both in Southern Arizona and the Phoenix area, a committee of members from various organizations teamed together to promote engineering by visiting schools and doing other outreach events and holding networking events. For more on the Phoenix activities please read below. Thank you to all those who organized or attended these events!

## AZ Section Conference Planning - Volunteer Opportunity

Gary Miller, PE, M.ASCE

### AZ Section Conference Planning - Volunteer Opportunity

Are you interested in expanding your professional network? Are you interested in participating in a more meaningful way with ASCE? The ASCE Arizona Section would like your help in planning the next AZ Section Conference. Preparation and planning for this conference is just beginning, and there are opportunities in several areas that you can participate in. Serving on the planning committee for this conference is a great way to expand your professional network, while also volunteering with ASCE in a meaningful way. If you would like to know more, or if you are interested in serving please contact Gary Miller using the contact information below.

[Gary Miller](#)

Phone: 928-863-8001

# eWeek Phoenix 2020

Ted Smithwick, PE, M.ASCE, Past President, ASCE AZ

## eWeek Phoenix 2020 (<http://www.eweek-phx.org/>)

*Ted Smithwick, PE – Past President, AZ ASCE*

eWeek activities in Phoenix have officially restarted! Thank you to Chris Williams (Y2K), Ronnie Thevenot (Stanley), Jessica Dresang (Carollo), and Brent Borchers (Terracon) for relaunching these efforts.

This year for eWeek in Phoenix, we helped connect engineers across the valley of the sun with teachers in an effort to teach kids about the fundamentals of engineering. We had over a dozen engineers participating to impact the lives of our youth! WSP employees Angie Galietti, Michelle Medina, and Anthony Virrueta went above and beyond by presenting to 150 fifth grade students! They spent time discussing civil engineering and had a lot of questions. They also did a quick activity to brainstorm the resources needed if they were stranded on an island to build a new society and finished with a *Leaning Tower of Pennies* activity.



David Bond with Sunrise Engineering also participated by talking about civil engineering with elementary school students and finished with a "LAUNCH IT" balloon-powered straw rockets activity.



**Thank you to everyone who volunteered!**



In addition to these outreach activities, a happy hour was organized at Fate Brewing Company in Tempe. Nearly 70 engineers from ASCE, SWE, ITE, ASU, and IEEE came out to the event for networking and socializing. Thank you to all who attended and we look forward to seeing you next year!



Thank you to AZ ASCE, AZ Water, ASHE, APWA, Stanley, Carollo, Y2K, and Terracon for sponsoring eWeek Phoenix activities!



## Phoenix Branch News and Updates

Larry Hanson, PE, Vice President, Phoenix Branch

### Recap of February Luncheon

At the February 12 luncheon, Lance Webb, PE,

Deputy Engineer with City of Mesa Engineering Department, Jesse Heywood, PE, Supervising Engineer with City of Mesa Water Resources Department, and Reid Guzy, PE, Engineering Manager with Black & Veatch provided an interesting presentation on the City of Mesa's new \$126 M Signal Butte Water Treatment plant. The surface water treatment plant was delivered using CMAR and completed in 2018.



*L-R Larry Hanson (Branch President), Lance Webb (City of Mesa), Reid Guzy (Black & Veatch), Jesse Heywood City of Mesa)*

The Branch recognized the 2020 Life Members and presented scholarships to several ASU ASCE student chapter civil engineering students. The following comprise the class of 2020 Life Members: James Chehovits, Guy Winebrenner, David Eberhart, Thomas Wolf, James Campbell, David Gue, James Deatherage, LaRon Garrett,, Daniel Cook, Gary Hanna, Michael Rucker, Robert Davies, David Jeffers, Luis De Grande, Yvonne Reinink, Sandra Houston, Jeffry Vann, Jeffrey Van Skike, Damon Williams, and Enamul Hoque.



*L-R Enamul Hoque, Michael Rucker, Damon Williams, and Guy Winebrenner. Luis DeGrande was at the luncheon, however, is not included in the photo*

Four hundred dollar scholarships were awarded to the following ASU engineering students: Edward Apraku, Isaac Parra, Matthew Wichman, Nancy Rodriguez Perez, Jeremy Guerrero, Ken Niimi, Nichole Trujillo, and Camila Ibarra. All but Nancy Rodriguez Perez were in attendance at the luncheon.



*L-R Matthew Wichman, Nichole Trujillo, Camila Ibarra, Isaac Parra, Edward Apraku, Jeremy Guerrero, Ken Miimi*



*2020 Life Members and ASU civil engineering students*

Eighty-five attended the luncheon.



## Future Cities Competition Results

Phoenix Branch Members participated in the recent Future City competition as society judges for the ASCE Sustainable Infrastructure Award. Members reviewed the middle school teams' scaled models and listened to the student presentations before recognizing the Maricopa Wells Middle School – Santa Barbra City with the 2020 ASCE Phoenix Branch Sustainable Infrastructure Award for their innovative design and how they protected their water supply for their city. These students did a tremendous job with their model, report and presentation and obviously put in a lot of hard work to develop their future city. Congratulations to the students!

Thank you to the Phoenix Branch members that participated in the judging: Michael Naber, Tracie Riggs, Diana Gonzalez, Nicole Wehner, Sam Kozman, Andrew Chill, and Larry Hanson.



*Maricopa Wells Middle School – Santa Barbara City Model*



*Michael Naber, Diana Gonzalez, Tracie Riggs, and Andrew Chill*

## March Luncheon

**Presentation of Branch Awards and Technical Presentations on the Arizona Water Company Santiago Trail Nitrate Removal Facility, Booster Pump Station, and Water Storage Tank Project (Large Project of the Year), and the Arizona Water Company Pinal Valley Recharge and Recovery Facility Project (Small Project of the Year)**

Date: March 11, 2020

Location: Gateway Community College, Building MA, Room MA1100

108 N. 40<sup>th</sup> Street, Phoenix, AZ 85034

Time: 11:30 AM to 1 PM

Speakers: TBD

Branch awards will include Government Civil Engineer of the Year, and Small and Large Projects of the Year.

For more information contact Larry Hanson at 480.231.4023.

Advance registration required.

## April Luncheon

Date: April 8, 2020

Location: Gateway Community College, Building MA, Room MA1100

108 N. 40<sup>th</sup> Street, Phoenix, AZ 85034

Time: 11:30 AM to 1 PM

Speakers: TBD

For more information contact Larry Hanson at 480.231.4023.

Advance registration required.

## Southern Arizona Branch - What's Happening?

Matt Flores, PE, M.ASCE, Vice President, Southern Arizona Branch

### March Joint Luncheon with AZ Water

Date: March 13, 2020

Southern Arizona Technical Luncheon: This luncheon has been cancelled due to Coronavirus (COVID-19).

### Save the Date! - MATHCOUNTS Benefit Golf Tournament



Volunteer

#### Tournament Information

##### Time and Place:

Dell Ulrich Golf Course  
600 S Alvernon Way, Tucson, AZ 85711

[Get Driving Directions](#)

11:00 am Registration

11:45 am "Mob" Putting Challenge

12:00 pm Shotgun Start

4:30 pm Post-Game Reception



##### Entry Fees Includes:

- Lunch, Green Fees, Golf Cart, Range Balls
- "Mob" Putting Challenge - \$500 Cash Pot
- Hole-In-One to win a 2020 GMC Terrain

##### Reception Includes:

- Cocktails
- Hors d'oeuvres
- Raffle Prizes (Arizona Basketball and More!)

Register Here

## Phoenix Branch YMF News

Andrew Moreno, PE, M.ASCE, President, Phoenix Branch YMF

## ASCE Phx YMF March General Meeting - March 24, 2020

Come test your knowledge at this month's March Madness Trivia Challenge & Networking event. YMF would like to invite all members to our March general meeting where you'll have the opportunity to network with engineers from around the Phoenix area. Making his last appearance as Master of Ceremony, Andrew Moreno will be dishing out gift card prizes to winners and participants all night long.

When: Tuesday, March 24th

Time: 5:30 - 7:00 pm

Where: Half Moon Sports Grill,  
2121 E. Highland Avenue

Be sure to bring your business cards and enjoy a drink on us. It is a great way to get to know your fellow local engineers and make life long connections that will help immensely during your career.

## ASCE PBYMF Foundation Grant Applications

The ASCE Phoenix Branch YMF Foundation awards semi-annual grants with the next round of applications due March 25th, 2020.

Who can apply?

Anyone! Each grant application must be sponsored by an active PBYMF member and must receive the support of the PBYMF Board in order to be forwarded to the Foundation Board for approval.

How do I submit my application?

Complete the grant application and send it to the Foundation liaison. The name and address of the Foundation liaison are printed at the top of the application. All grant application details can be found [here](#).

If you have additional questions regarding the application, please contact Nicolai Oliden ([noliden@ethosengineers.com](mailto:noliden@ethosengineers.com)).

## Phoenix Rescue Mission Volunteer Event

The Phoenix Branch YMF will be volunteering at the Phoenix Rescue Mission to serve meals at the Transforming Lives Center. The event will include food preparation and serving. Spots for this event are limited.

**When:** March 21st, 2020 11AM - 1PM

**Where:** 1801 South 35th Avenue Phoenix Arizona 85009

If you have additional questions regarding the event or would like to sign up, please contact Tyler Moore ([kmoore@GFNET.com](mailto:kmoore@GFNET.com)).

## 2020 ASCE Arizona Report Card - Drive In



The new ASCE report card for Arizona is due to come out in mid-April. In anticipation, the AZ section government relations committee would like to understand how many people would be interested in taking a day to drive down to the capital and meeting with local legislators to explain the findings to them. The report card is our greatest tool as engineers to help explain to non-engineers the importance of taxes which support our local infrastructure.

If you are interested, please fill out the form at [here](#)!

If you have any questions, please reach out to Allison Sadow ( [Allison.sadow@tylin.com](mailto:Allison.sadow@tylin.com)) or Caitlyn Hall ( [cahall13@asu.edu](mailto:cahall13@asu.edu)).

## **MESA PVC Bridge Competition Judges Needed**

ASCE YMF is assisting with facilitating and scoring the MESA PVC pipe bridge competition. Middle and high school students in teams of two to six will create PVC bridges that meet the design parameters and safety criteria given by MESA. The structures will be tested to see the vertical loads that they can withstand. Students will be challenged to come up with innovative and creative structural solutions in order to meet the requirements of the competition. Students will gain a better understanding of the engineering process as well as exposure to real world engineering issues. The PVC bridge competition provides students with engineering design and management experience along with competing against teams from other schools.

When - May 2nd, 2020

Where - Grand Canyon University

What Time - 7:30AM - 12:00 PM

More information about the competition and judging responsibilities can be found [here](#).

Contact Tyler Moore ( [kmoore@GFNET.com](mailto:kmoore@GFNET.com)) to register.

## **Southern Arizona Branch YMF Announcements**

*The*  
**YMF HOCKEY**  
*Social*

SATURDAY MARCH 14th  
Pregame @ Thunder Canyon  
5:30 PM

Game @ Tucson Convention Center  
7:00 PM

RSVP through our website!

**Volunteers Needed - ASCE MESA PVC Pipe Bridge Competition**



Come out and inspire the civil engineers of tomorrow!

Volunteers will receive a T-shirt!

Continental breakfast and Lunch will be provided

**Saturday February 8th, 2020 @ GCU**

**Saturday February 15th, 2020 @ U of A**

**Saturday May 2nd, 2020 @ GCU**

7:30 AM - 12:00 PM

For more information please contact [Jose Aguilar](#)!

[Register Here](#)



*The Arizona Civil Engineer is a publication of the Arizona Section of ASCE.*

*Information published in the newsletter must be consistent with ASCE Arizona Section Board policy.*

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