Kaibab Trail Suspension Bridge

Welcome to February, Arizona ASCE Members. I hope you’re into the swing of the new year.

This month is exciting for the Arizona section of ASCE as we’ll be dedicating the Kaibab Trail Suspension Bridge later this month (February 23) as a Historic Landmark. This is an achievement that has been in the works for years. This landmark joins only three others statewide (Hohokam Canal System, Roosevelt Dam and Salt River Project, and the Navajo Bridge) and only around 200 projects worldwide. No matter where you live in Arizona, I hope you’ll join me in celebrating the innovation and dedication of this bridge. When this bridge was completed it was the only Colorado River crossing in the 754-mile stretch between Moab, Utah, and Needles, California. The dedication ceremony will occur at 3pm on Saturday, February 23 at the Yavapai Geology Museum in Grand Canyon Village. If you’re interested in carpooling from Phoenix or Tucson, please contact me at SmithwickTed@stanleygroup.com.

Impacting Our Youth

“Why did you become an engineer?”

This is one of the more common questions I’ve been asked during my career. My answer is also common: I was good at math in high school. When I started at the University of Arizona, I planned to study general engineering. Before I finished moving into the dorm, College of Engineering staff emphasized the importance of graduating in four years, and sure enough four years later I had my degree in civil engineering.

I’ve had the pleasure of participating in the Future Cities program for over ten years as an engineering judge. It always amazes me to see 6th, 7th, and 8th graders work together so diligently to think about our world’s problems in a different light. This program is amazing and a great, low commitment way to impact our youth. If you’re interested in volunteering, please contact ThevenotRonnie@stanleygroup.com.

Each year during Engineers Week (February 17-23, 2019), I visit a classroom and have the kids participate in an engineering activity. I usually begin by talking about what I do, how I got where I am, answer some questions, then present the engineering challenge. This is another low commitment way for you to serve your community: try your child’s school, calling a nearby school, or email me – I have contact information to nearly 100 teachers that have expressed interest in having an engineer visit.
Have you seen Dream Big? From the Great Wall of China to Carl Hayden High School in Phoenix, this film celebrates engineering – it is an inspiring film that celebrates human grit and aspiration. It’s 42 minutes long AND on Netflix! Grab your nearest niece, son, neighbor, and make a night of it – you could be inspiring a lifetime of learning.

Other activities and ideas can be found here http://www.discovere.org/our-programs/engineers-week.

I challenge you to take time this month to impact our youth.

We’re also updating the Arizona Infrastructure Report Card and need your help. Please see the flyer in this newsletter for more info. The kickoff meeting for this event is at 4pm at the Stanley Consultants office in Phoenix on Wednesday, January 30. Please contact Jose Aguilar for more information.

What does ASCE mean to you? I’d like to hear from you – please drop me a line at SmithwickTed@stanleygroup.com.

Thank you all for being part of ASCE and here’s to a great 2019!

Here’s my tentative schedule of future newsletter topics:

- March 2019 – How to be Funny
- April 2019 – Goodness (Feeling, Recognizing, Sensing, and Giving)
- May 2019 – Winning Friends and Influencing People
- June 2019 – An Interview with an Arizona ASCE Member
- July 2019 – How to Save Someone’s Life
- August 2019 – My Thoughts on ASCE
- September 2019 – Thank you
- October 2019 – Breanna Connolly Takes Over the President’s Message

In this newsletter you’ll find information about a very exciting event at the Grand Canyon this month. This is truly a unique event. I hope you’ll consider joining me! We’re also updating the Arizona Infrastructure Report Card and need your help. Please see the flyer in this newsletter for more info.
ASCE membership event: FIFTH GRAND CANYON HISTORY SYMPOSIUM and KAIBAB TRAIL BRIDGE DEDICATION

**WHAT:** Dedication ceremony for the Kaibab Trail Suspension Bridge in Grand Canyon National Park as a National Historic Civil Engineering Landmark. The bridge carries foot and mule traffic over the Colorado River at the bottom of the Grand Canyon.

**WHEN and WHERE:**
Saturday, February 23, 2019
1:30 p.m. at Shrine of the Ages in Grand Canyon Village on Grand Canyon South Rim.
3 p.m. at Yavapai Geology Museum, Grand Canyon Village on Grand Canyon South Rim. The events will be held in conjunction with the Fifth Grand Canyon History Symposium.

**WHO:** ASCE leaders from the national level and the Arizona Section, any interested ASCE member, representatives of Grand Canyon National Park, leaders of the Grand Canyon Historical Society and History Symposium attendees are welcome at the 1:30 p.m. event. The general public is welcome to attend the 3:00 p.m. dedication ceremony.

**ADDITIONAL DETAILS:**
1:30 p.m. Shrine of the Ages presentation entitled "Kaibab Trail Suspension Bridge: A National Historic Civil Engineering Landmark." Presented by Jonathan Upchurch, P.E. He will describe the history and significance of the bridge.

3 p.m. Dedication Ceremony at Yavapai Geology Museum. This event will include unveiling of the landmark plaque and remarks by the Grand Canyon National Park Superintendent and various dignitaries from ASCE. If weather is inclement, the dedication ceremony will be held as part of the 1:30 event in Shrine of the Ages.

The Grand Canyon History Symposium will begin on the evening of Wednesday, February 20, 2019 and conclude on Saturday evening, February 23. Any ASCE member is welcome to attend the 1:30 p.m. and 3:00 p.m. events on February 23 at no cost and without registering for the Symposium. Members of ASCE who have an interest in Grand Canyon history will be welcome to register ($75 for the History Symposium and attend any of the other events taking place Wednesday evening through Saturday evening. Titles of presentations are available at:

Additional History Symposium program information will be coming later. An opportunity to register will be made available to ASCE members in early December.
Upcoming Events

February

Phoenix Branch Luncheon, February 13, 2019

Engineers Week, February 17 - 23, 2019

Southern Arizona Branch Engineers Week Banquet, February 19, 2019

Northern Arizona Branch YMG, Happy Hour, February 22, 2019

Fifth Grand Canyon History Symposium and Kaibab Bridge Dedication, February 23, 2019

For more information visit the ASCE Arizona Calendar

Phoenix Branch News and Notes

Stephanie Templeton, PE, Phoenix Branch Vice-President

Recap of January Luncheon

This month we had a presentation with Freeport McMoran, Inc., on the various projects onsite at Morenci, including the HWY 191 realignment and precast tunnel, the silver Basin Stockpile and Freshwater Reservoir, as well as the Asphalt Core Dam. The presentation was given by Jose Martinez, Project manager, and Jason Brimhall, EIT. We had a great turnout, with over 80 people in attendance.
February Luncheon: ASCE Phoenix Branch

Is Municipal Wastewater to Drinking Water in the (Near) Future of Arizona?
Date: February 13th, 2019
Location: Because – Space for Life
3419 East University Drive, Phoenix, AZ 85034
Time: 11:30 AM to 1 PM
Speaker: Timothy M. Thomure, PE, ENV SP
Summary: With recent droughts and shrinking supplies of good quality drinking water, many municipalities have started to look at municipal wastewater as a source of drinking water. The presentation will provide a brief overview of the spectrum of potable reuse options (from De facto to Direct); major hurdles and issues; status of direct potable reuse (DPR) implementation in the U.S., Southwest, and Arizona; status of the regulatory framework in Arizona; impact on the civil engineering community; and what is “ONE WATER”.

For more information contact [Laura Spencer](mailto:). Advance registration required.

Civil Engineering High School Club

The Phoenix Branch is again sponsoring a team from Hamilton High School (Chandler) in a Civil Engineering club. Last year the group participated in the project they worked on for the Stockholm Junior Water Prize (SJWP) competition. Their project involved looking at brine disposal associated with reverse osmosis water treatment technology.

If you are interested in finding out more about this effort and/or would like to help starting this Fall, please contact Phoenix Branch Outreach chair, [Andrew Chill](mailto:).

Future Cities Judging

The Phoenix Branch again helped out at the Arizona Future cities which teaches local middle schools teams about engineering. This year’s theme is “Powering Our Future”, where teams will design a resilient power grid for their future city that can withstand and quickly recover from the impacts of a natural disaster, in addition to carefully and systematically preparing for all major aspects that go into planning the city of the future. Thank you to our volunteers for helping to judge these teams and present them with an award from the Phoenix Branch of ASCE Arizona. Regional finals were held Jan 19th, 2019 at Casteel High School.

2019 Sponsorship Opportunities in the Phoenix Branch

Would you like to have your company advertised at all ASCE Arizona Phoenix Branch meetings? We have many different sponsorship opportunities ranging from $100-$1000 for the upcoming year:
- Student Sponsorship
- YMF Member Sponsorship
- Luncheon Sponsorship
- And more!
For more information on sponsoring, please contact Vice President Stephanie Templeton.

**Leadership Opportunities in the Phoenix Branch**

The Branch leadership team is looking for a Social Media Chair. The anticipated time commitment is approximately three hours per month. If you are interested, contact President Laura Spencer.

**PE Review Course Phoenix YMF**

The Phoenix Younger Member Forum is putting on a review course for the EITs looking to take the PE in the Spring. Please let the young members in your office know! The course includes in person classes for all items covered in the morning session of the PE Exam and also include handout material for the afternoon in depth portions of the PE exam. A full schedule of the course as well as registration information can be found [here](#). Online registration can be found [here](#). Please contact YMF President-Elect, Andrew Moreno for any questions!

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**What's Happening in Southern Arizona?**

Chelsi Remme, P.E., Vice President, Southern Arizona Branch
Calling all Volunteers

Southern Arizona Research, Science and Engineering Foundation (SARSEF) is holding its annual science fair on March 7, 2019 at the Tucson Convention Center (TCC) from 7am to 1pm.

Each year ASCE members volunteer as judges for the ASCE Southern Arizona Branch Excellence in Engineering Award. Our volunteer judges select 1 deserving project from each of the 6th, 7th and 8th grade projects. The students win a certificate, $150 cash prize and an invitation for the student and a parent/guardian to attend our May luncheon.

It’s a fun and rewarding morning looking at student's projects and then talking with them about their projects in preparation for the high school level where interviews are part of the assessment.

Breakfast, lunch and parking are provided.

If you are interested in being part of the judging team please contact Deirdre Brosnihan by February 14th.

Egg Drop Competition hosted by SEAoA
Join the Egg Drop Competition hosted by the Structural Engineers Association of Arizona’s (SEAoA) to benefit scholarships for U of A Engineering students.

**When:** Friday, February 8, 2019 at 5pm  
**Where:** UA Civil Engineering Courtyard, 1208 E. 2nd St, Tucson, AZ 85719

Click [HERE](#) for more details!!

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**Engineers Week Planning**

E-Week planning is underway but it isn't too late to get involved!

E-Week is a week-long series of events from February 16-23, 2019 promoting and celebrating Engineering.

Engineers Week Activities include:

- **Engineering at the Mall Day**
- **Girl Day**
- **Tech Tour**
- **Engineers Week Banquet**

If you are interested in volunteering, contact [Grecia Falcon](#).

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**ASCE Arizona Report Card Update**

The ASCE Arizona Report Card Committee is looking for volunteers to produce the 2020 report card.

Contact [Jose Aguilar](#) if you are interested in being a part of this effort.

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**2019 Southern Arizona Engineers Week Awards Banquet**

**When:** Tuesday, February 19, 2019 from 5:30 PM to 8:00 PM MST  
**Where:** DoubleTree by Hilton Tucson Airport, 7051 S. Tucson Blvd., Tucson, AZ 85756

Join us for an evening of celebrating the accomplishments of Engineers and Educators in Southern Arizona who make a world of difference!

Awards will be presented for the following categories:

- Southern AZ K-8 Educator of the Year  
- Southern AZ Post-Secondary Educator of the Year  
- Southern AZ Young Engineer of the Year  
- Southern AZ Engineer of the Year  
- ASCE Younger Members Forum Scholarship  
- Southern Arizona ITE Scholarship
There are several sponsorship opportunities available for E-Week 2019 in Southern Arizona, including Title Sponsorship. As a sponsor, you are supporting the non-profit organizations that are working hard to plan the various E-Week 2019 events here in Southern Arizona.

Please click here for more information about how to become a sponsor. We look forward to hearing from you!

Sincerely,

The 2019 Engineer's Week Committee

Grecia Falcon, 2019 Engineer’s Week Chair
FY18/19 ASCE SAB President Elect

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**Phoenix Branch YMF**

*Steven Raisor, President, Phoenix Branch YMF*

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**Spring 2019 YMF PE Review Course - Registration Open**

For anyone planning to take the PE Exam in Spring 2019, registration for the YMF PE Review Course is now open! The course includes in person classes for all items covered in the morning session of the PE Exam. Several of the classes also include handout material for the afternoon in depth portions of the PE exam. A full schedule of the course as well as registration information can be found [here](#). Online registration can be found [here](#). Please contact [Andrew Moreno](mailto:Andrew.Moreno@asce.org) for any questions!

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**Southern Arizona Branch YMF**

*Jose Aguilar, PE, President, Southern Arizona Branch YMF*
February Happy Hour
Come join us to catch up with your fellow members and friends!

Where: The McMillan Bar & Kitchen
2 West Route 66
Flagstaff, AZ 86001
When: Friday, February 22, 2018
Time: 5:30-7pm

Kaibab Trail Bridge Dedication

What: Dedication ceremony for the Kaibab Trail Suspension Bridge in Grand Canyon National Park as a National Historic Civil Engineering Landmark.
When: Saturday, February 23, 2018
Time: 1:30-6pm
Looking for a Civil Engineering-related Job?

Interested in Becoming an Annual Corporate Sponsor?

Submit Articles and Information

ASCE Arizona | www.azsce.org