

CIVIL SOURCE

ASCE UTAH SECTION NEWSLETTER

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PRESIDENT'S MESSAGE

Greetings to all who are reading this message. The months continue to fly by and I find myself enjoying the spring weather and the opportunity to get outdoors. This past month I was able to enjoy that weather as I made a drive up to Logan for the Northern Utah Branch's technical tour of a new Wastewater Treatment Plant. I want to give acknowledgement to the Northern Utah Branch's leadership. While I have had the opportunity to speak with them several times over the phone, this was my first opportunity to meet them in person. Led by President Sam Odd, the branch and its leadership was inclusive and welcoming to everyone that attended, including this new face who was meeting most of the attendees for the first time. It made me feel accepted and will make it easy to return in the future. I had the opportunity to speak with several of the attendees, including a couple of gentlemen that had made the trek all the way from Wyoming just to attend the tour. They were all friendly and were having a similar experience to mine. The technical tour was fascinating. I always enjoy seeing the great Civil Engineering work that I am not exposed to in my own daily practice. I encourage all section members to get out to the great meetings that are planned across the state. My hope for the Section is that that we can all meet new people through ASCE and forge friendships across disciplines and practices that we not otherwise be exposed to.

Sincerely,

J. Darren Burton
ASCE Utah Section President '20-'21

HISTORY AND HERITAGE UPDATE

"The engineer has been, and is, a maker of history." – James Kip Finch, American engineer

The Utah ASCE History and Heritage Committee is highlighting each of the ASCE Landmarks located in Utah. The ASCE Landmark Program: "recognizes historically significant local, national, and international civil engineering projects, structures, and sites."

This month, we recognize the completion of the transcontinental railroad. The Golden Spike National Park in Promontory, UT is a monument to the completion of the transcontinental railroad which was celebrated on May 9, 1869 with the driving of a golden spike. President Abraham Lincoln, almost 7 years prior had signed the Pacific Railroad Act on July 1, 1862 which authorized the construction of the railroad from Missouri, the then American frontier, to the Pacific Ocean. The Central Pacific railroad raced to build the railroad infrastructure from Sacramento, California heading east, while the Union Pacific raced to build westward from their hub in Omaha, Nebraska. The 1776 mile task would require digging 19 tunnels, constructing trestles spanning over 700 ft and 130 ft tall, and climb from approx. sea level up to a max height of over 8600 ft.

"Politically, economically, socially, and culturally, it bound together a nation that had only recently been engulfed in civil war. A coast-to-coast journey that had once taken six months could now be made in seven days."

Please see the following websites for additional information:
<https://www.asce.org/project/joining-of-the-rails--transcontinental-rr/>
<https://ascelibrary.org/doi/pdf/10.1061/ciegag.0000564>

We continue the call for suggestions for an individual (historical or current) that you feel we should recognize as a landmark engineer this coming year. We have received several nominations and we can highlight more than one.

For all past ASCE officers/leaders, if you have ASCE records in your possession (either electronic or paper), we would like to collect those items in an archive so the future ASCE leaders in our section can have a growing resource to learn from.

Sample criteria of a landmark individual - a person of significance who:

- Was an engineer.
- Was the first to accomplish something new or noteworthy in engineering.
- Received an auspicious award, (Nobel peace prize, any notable award)
- Created an engineering organization.
- Set, instituted, or created a new precedent that changed or significantly influenced modern design practices (moment distribution, first to invent or create an engineering technique or method).
- Championed the cause of the civil engineering industry (Eisenhower creating the highway network).

REPORT CARD COMMITTEE

By Craig Friant, PE

The Utah Infrastructure Report Card Committee has been continuing our outreach messaging to encourage ASCE members and other organizations to advocate for infrastructure funding. Failure to act and invest in America's infrastructure will affect every household. ASCE has studied the effects of inadequate infrastructure funding and found that a failure to act now will cost each American household \$3,300 a year for the next 20 years. Poor roads and airports mean travel times increase. Inadequate water distribution systems make utilities unreliable. Problems like these translate into higher costs for businesses to manufacture and distribute goods and provide services. The Report Card Committee has made a presentation on Utah's grades to all four Branches in the Utah Section and at the Utah Asphalt Pavement Association (UAPA) Conference. These presentations were well attended, and I wanted to thank UAPA and the Northern Utah, Wasatch Front, Central Utah, and Southern Utah Branches for allowing us to present to their members. The Report Card Committee will also be presenting the Utah grades at the Water Environment Association of Utah (WEAU) Conference on April 13th.

In other news related to America's infrastructure, the ASCE National Report Card was released on March 3, 2021. The Committee on America's Infrastructure did an excellent job on the report card presentation and you can read the National Report Card on ASCE's website at <https://infrastructurereportcard.org/>. The overall grade for America's infrastructure was a C-, up from a D+ in 2017. This shows improvement, but there is a lot of work to be done. The lowest grade was in Transit with a D-, and the highest grade was in Ports with a B-. We encourage you to reach out to your elected officials and share with them the Utah Infrastructure Report card and ask them to invest in Utah's and our Nation's infrastructure. Thank you for all you do for ASCE and the Civil Engineering industry.

NOMINATING AND ELECTION COMMITTEE UPDATE

There is still time! Are you a member of the Utah Section? Would you like to expand your leadership and service skills? Have you ever considered lending a hand in ASCE (and perhaps thought, "oh, those are positions for others, I am just a member?") We need you! The boards of ASCE are comprised of "just members" who simply have a desire and willingness to serve - THAT'S IT! On the side, you will have the chance to gain some additional leadership skills and extend your professional network. Nominations are being accepted now in preparation for the elections.

Here is a short list of section and branch officers that will generally need to be nominated for the election.

Utah Section Positions

·Section President-Elect (generally this is at least a 3 year commitment - President Elect, then President, then Past President)

·Section Secretary/Treasurer-Elect (generally this a 2-year commitment - Secretary/Treasurer Elect, then Secretary/Treasurer)

Branch Positions (for each branch: Northern Utah, Wasatch Front, Central Utah, Southern Utah)

·Branch Secretary/Treasurer and/or

·Branch President-Elect (sometimes the current Branch Secretary/Treasurer transitions into this position - in the past this has depended on how each branch has conducted their own board member succession)

Younger Member Forum

·YMF President-Elect

·YMF Secretary

·YMF Treasurer

For questions and nominations forms, please reach out to your respective branch/forum leadership. You can also send in comments or request for nomination forms at cody@mcneileng.com.

NORTHERN UTAH BRANCH UPDATE



The Northern Utah Branch had a fantastic presentation from UDOT on active transportation and safety in and around our roadways. Heidi Goedhart, the Active Transportation Manager, presented on the Move Utah campaign and the State's initiatives in increasing the availability of alternative transportation methods. Kristen Hoschouer, the Safety Outreach Administrator discussed the Zero Fatalities campaign and what UDOT and the Department of Public Safety are doing to educate roadway users. Unfortunately, the State is seeing an increase in pedestrian involved accidents, 20% of all vehicle accidents in the State involve pedestrians. Both Heidi and Kristen did a great job educating the branch on resources available and what we can do better!

In April we are planning a tour of the Logan Wastewater Treatment Plant that is currently under construction. This has been a big request in the branch, and we are excited to finally make it happen. Look for information from the branch about how to RSVP!





MEMBERSHIP COMMITTEE UPDATE

by Mark Chandler, PE, PG, CFM

Due to technical issues, we missed posting last month. It has been great to see the increase in involvement and membership growth from all of our branches and we look forward to continuing to support all of our members. This month I just want to mention a little bit about some of the purposes of ASCE. ASCE exists to further the interest of and improve the profession of Civil Engineering. In doing this there is a broad focus on two main fronts. First, is improving the profession through promoting wise and sustainable design and construction practices in various arenas. Second is a focus on improving what actually makes the first effort possible, each of us. This area includes efforts to help us chart our careers and move ourselves forward, continuing education, providing access to technical publications and data to rely on, conferences and personal development by providing leadership opportunities in local sections and branches. While my involvement in leadership at times has made life hectic in short bursts, it has overall been a great benefit in my career, and I have loved my opportunity to engage with other outstanding engineers.

So what does all of this mean to each of you. I encourage you all to reach out to your section or branch leadership and ask about how you can be involved in large and small roles to help further our profession. We are all benefiting from the efforts of others who have done this in decades past. Lets continue on the rich tradition of involvement in professional associations and improving the profession. The more we all participate the better it gets.

In February we had six new members and 23 new student members. In March we had 3 returning members, one new member and six new student members.

Welcome back to Katie Jacobsen, Elizabeth Felix and Nathan Lunstad.

Welcome to our new members including Richard Hatfield, John Deleon, Mark Cook, Danny Flannery, Kris Megeath, Judd Lawrence, Travis Evans.

And we are excited to see the new student members including Heather Siddoway, Massimo Fry, Jiada Li, Dylan Hunter, Jeffrey Huffman, Ivy Stout, Amber Spackman Jones, Min Jie Kim, Michael Gustafson, Nicole Adams, Seth Robertson, Moise Tchivwila, Justin Blaylock, Camila Turrini, Timothy Maughan, Joshua Sweeten, Dillon Muirbrook, Izzy Timms, Riley Weaver, Jacob Booth, Conner Curtis, William Thomas, Gabriela Reyes, Dylan Apelu, William Holdsworth, Yaqi Huang, Kayla Wolfley, and Madelin Pollei.

Please invite others to participate in ASCE so that they can make full use of the many benefits that membership affords to them. If you are looking for a quick summary of those benefits you can visit https://www.asce.org/uploadedFiles/Membership_and_Communities/Member_Benefits/Content_Pieces/member-benefits-guide-forward-faster.pdf

WASATCH FRONT BRANCH UPDATE

by Michelle Haake

The Wasatch Front Branch is excited to announce the speaker and topic for our April meeting. Dr. Rollin Hotchkiss from BYU will be speaking to us on the topic of Low Head Dams. The dangers posed by low head dams are not well known as evidenced by the number of deaths associated with them. There have been three deaths in the area covered by the Wasatch Front Branch alone in the last three years. Join us at noon on April 23rd to learn more! One PDH will be offered to those in attendance. Join Zoom Meeting
<https://zoom.us/j/92008356428>
 Meeting ID: 920 0835 6428



ASCE UTAH 2020-2021 SECTION AND BRANCH LEADERSHIP

ASCE UTAH SECTION	ASCE UTAH SECTION Northern Utah Branch	ASCE UTAH SECTION Wasatch Front Branch	ASCE UTAH SECTION Central Utah Branch	ASCE UTAH SECTION Southern Utah Branch	ASCE UTAH SECTION 4 VOLUNTEER MEMBER FORUM	G-1 GEO INSTITUTE Utah Chapter
 DARREN BURTON President	 SAMUEL ODD President	 MICHELLE HAACKE President	 ZACH HERBERT President	 CLINTON MERRELL President	 FARAMARZ SAFAZADEH President	 BRIAN PETERSON Chair
 MARK CHANDLER President Elect	 WESTON BELLON President Elect	 BITTON TVETEN President Elect	 MITCHELL SMITH President Elect	 DANE HURST President Elect	 TAYLOR HALL President Elect	 RYAN MAW Vice Chair E: ryanm@erhartcole.com P: 435.232.4984
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 LAYTON ASMUS Secretary/Treasurer Elect	 MARCUS SIMONS Past President E: thill@sunrise-eng.com P: 435.563.3734	 SARAH ALBANO Past President E: ckitchen@conteches.com P: 801.851.0420	 BLAKE BUEHLER Past President E: mitsmith@provo.org P: 801.852.6731	 TODD GARDNER Past President E: trinitystout@alphaengineering.com P: 435.628.6500	 KRISTA RIESSLER Treasurer	 CONRAD GUYMON Chair E: conradg@ckrengineers.com P: 801.222.0722 ext 128
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