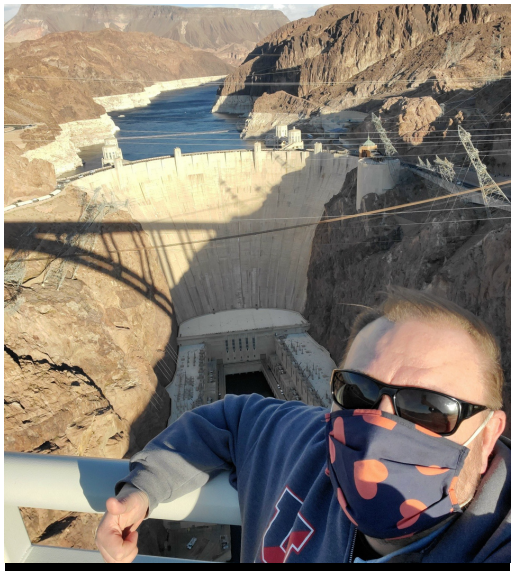
CIVIL SOURCE

ASCE UTAH SECTION NEWSLETTER

MARCH 2021 · ISSUE 7 · VOLUME 1



PRESIDENT'S MESSAGE

Greetings to all who are reading this message. February seemed to fly by, and March seems to be going by even faster.I thoroughly enjoyed Engineer's week the end of February. I hand the opportunity to meet and chat with several of you in our joined Utah & Southern Idaho Sections Engineer's Week virtual luncheon. I was able to attend the Utah Engineer's Council banquet and enjoy dinner and conversation, (at a safe social distance), with our Section President-Elect Mark Chandler P.E., and or Nominee for Engineer of the Year Mr. K.C. Shaw P.E. and his wife.

Last month as a section leadership we were able to gather five of the six Student Chapters from around the Utah Section, (USU, UofU, BYU, UVU, and SUU) along with Region 8 leaders, the leadership groups of the 4 branches, (NUB, WFB, CUB, SUB), and the YMF. We held the first Utah Section Student Chapter Summit. It was fantastic opportunity to reinforce existing relationships and form new ones. It was also beneficial to hear from each student group and find that even though each chapter has its own personality and traits that make them unique, there were also striking similarities between the different groups. There was a strong sense of community and a willingness to offer help to one another.

During February I was also able to take a trip with my family and participate in the Southern Utah Branch's pickleball tournament. A special thanks to SUB President Clint Merrell P.E. and the rest of the SUB for allowing us to participate and feel so welcome. I was able to meet some of the branch's members for the first time face to face. They are a fun and great group of engineers.

It is a great feeling to know that no matter where my duties take me within the ASCE Utah Section I am able to find welcoming faces who are happy to add one more person to the our ever expanding circle of friends. To all those whose paths I have crossed this month, thank you.

Sincerely,

J. Darren Burton

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

IN THIS ISSUE

TECHNICAL ARTICLE UTAH SALT STORAGE FACILITIES DESIGN GUIDELINES

by Weston Bellon, PE

The application of brine solution on roadways is a very common and necessary action throughout the State of Utah. The solution, applied prior to or during a storm, effectively prevents any bond between the pavement and the overlying snow and ice. Such a prevention in bonding facilitates easier removal of the snow or ice. The application of a brine solution on the road surface is generally not considered an environmental threat due to the relatively small amount of solution applied and the large amount of dilution from the snow and ice.

Salt storage, however, can pose a significant environmental hazard due to the concentration of salt stored in a relatively small area, as well as other contaminants potentially introduced from the salt distribution equipment and processes. A thorough design of salt storage facilities can be an overlooked aspect of effective maintenance infrastructure. This article will provide a reference for the design of salt storage facilities.

Site Location

When locating a salt storage facility, factors similar to those of emergency services facilities should be considered. Proximity to major transportation routes will allow for quick access to priority motorways during a storm event, as well as allow for easy delivery of salt, fuel, and other maintenance supplies. The centralization of the service area should also be considered to provide the quickest access to the entire area. Care should also be given to locate and avoid environmentally sensitive areas.

CONTINUED ON PAGE 3

UTAH GEO INSTITUTE UPDATE

By: Bryan Peterson, PE and Ryan Maw, PE

As we move towards the Spring, we wanted to share the following updates:

·All Technical Committees are meeting virtually during the month of March. Meetings are open for members, friends, and guests. LINK

·The Rocky Mountain Geo-Conference will be held on April 16th, and will be a hybrid in-person and virtual event. Registration details can be found here: LINK

While we understand COVID-19 continues to make it difficult for us to meet in person, we would like to ask our members to let us know of topics or upcoming events of interest as we plan for 2021. Thanks again for your continued support.

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ASCE
GEO-INSTITUTE
Utah Chapter

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The following list includes some of these environmentally sensitive areas:

·Culinary Water Sources – Source Water Protection Areas should be identified with the help of local municipalities, and the distance from private wells should be considered based on local geology.
·Non-Culinary Wells – Any well can provide access for runoff to contaminate aquifers below ground. The proximity to these wells should be considered based on local geology.
·Storm Water Conveyance Features – Ditches, storm drains, and other methods of storm water conveyance could allow for the quick movement of salty runoff from salt storage facilities.
·Surface Water Bodies – Locate facilities outside of the 100-year flood plain of a stream or river, and far enough from lakes, wetlands, or other water bodies to eliminate any chance of direct discharge.
·Hydrogeologically Sensitive Areas – Areas with unconsolidated aquifers and with shallow, fractured bedrock pose a high risk to ground water contamination due to easy infiltration to aquifers.

Facility operators should also be aware of local hazards and operations should be monitored to ensure sensitive areas are not contaminated.

Site Design

Salt should be stored and handled on an impervious pad. This pad should be constructed of the appropriate thickness and reinforcement to reduce the risk of cracking due to the load of the salt pile and equipment necessary to handle the salt. In the case of construction in sensitive areas or with a pad that is at risk of cracking, an impervious liner should be installed beneath the pad to further reduce the risk of seepage due to imperfections in the pad.

The site should be graded as such to prevent run-on from encountering the salt storage and handling area. A slope of 1 to 2 percent should suffice to let water drain away from the salt storage pad. If it is impossible to appropriately grade the area sufficiently to avoid run-on from entering the salt storage area, a curb should be installed to direct the flow around the pad. No floor drains should exist in the salt storage area.

Stored salt should always be covered. The practice of covering salt during storage serves many benefits. These benefits include but are not limited to; minimizing run-off that can lead to environmental contamination, preventing lumpy salt that can be difficult to use, and minimizing salt loss, saving the agency money in materials. Salt can be covered using a permanent or temporary structure, as well as with a tarp.

·When designing a salt storage structure, it is important to consider the pervious nature of the walls. In general, the structure should be placed on an impervious pad, with walls impervious to a height of at least one foot above where the pile meets the wall.

The Salt Institute's Salt Storage Handbook provides a reference for structure design based on the size of required piles (Salt Institute, 2015). As well as providing enough room for salt piles, ideally a storage structure would allow enough room for the loading, mixing, and other handling activities to be performed under cover.

Figure 1: Storage structure, collection swale, and retention pond,

Retention Pond Specifications

As described in previous sections, site grading provides the base for storm water management across the site. Grading should prevent any run-on from contacting stockpiles whether covered by a structure or tarp. Storm water that does not come in contact with salt should be directed away from the site and onto adjacent property or the storm system. Water that does collect salt should be directed to proper containment locations such as a retention or evaporation pond. This is the reason for the importance of attempts to contain as much of the salt storage and handling areas as possible.

Contaminated storm water and wash water should be directed to the pond by means of a collection system. The collection system can consist of ditches, berms, pipes, or curbs to isolate the regions contaminated during salt handling procedures. The system should be sized to accommodate a 100-year storm event.

Collection ponds should be constructed with an impermeable synthetic liner to prevent discharge into the ground water. Ideally, collection ponds should be sized to allow enough storage for the pond to act as an evaporation pond. Clean out of the pond should be performed on a regular basis and the spoils disposed of in accordance with Utah Department of Environmental Quality (DEQ) standards.

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Conclusion

The conscious development and application of the best management practices contained in this report will improve road clearing efforts while increasing economic, and environmental efficiency.

Several sources were used in the compilation of this report and should be considered where further information is desired. The Salt Institute, can be referenced for many items including the design of structures, size of piles, and other technical information. The "Safe and Sustainable Snowfighting Award," available through the Salt Institute, provides specific checklists for facility managers to assess their operations (Salt Institute, 2017).

References

Goodridge, W., Bellon, W., Gelles, L., Maguire, M. (2018). "UDOT Maintenance Site Detention and Retention Pond Water Report."

Michigan Department of Environmental Quality. (2007). "Salt and Brine Storage Guidance – For Road Agency Maintenance and Other Facilities." http://www.michigan.gov/documents/deq/deq-ess-p2tasbulksaltbrineguidance_267024_7.pdf. (Jan. 14, 2018).

Salt Institute. (2017). "Safe and Sustainable Snowfighting Award Application." http://www.saltinstitute.org/wp-content/uploads/SASSAwardApplication.6.5.2017.pdf. (Jan. 15, 2018).

Salt Institute. (2016). "Safe and Sustainable Snowfighting – Snowfighter's Handbook." http://saltinstitute.org/wp-content/uploads/2015/02/SASS-Handbook-2016-1.pdf. (Jan. 15, 2018).

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State of Ohio, Ohio Water Resources Council, State Coordinating Committee on Ground Water. (2013). "Recommendations for Salt Storage – Guidance for Protecting Ohio's Water Resources." http://epa.ohio.gov/portals/35/owrc/SaltStorageGuidance.pdf. (Jan. 15, 2018).

"UDOT Snow Removal" UDOT.UTAH.GOV. Utah Department of Transportation, 30 Jan. 2017, https://www.udot.utah.gov/main/f?p=100:pg:0:::1:T,V:2,70433. (Apr. 18, 2018).

REGION 8 GOVERNOR UPDATE

by Matthew Roblez, SE, SECB

https://www.eventbrite.com/e/asce-utah-section-all-in-happy-hour-tickets-144042076729?aff=ebdssbeac

The Region 8 winter Assembly Meeting was held as a hybrid face to face and virtual event in Las Vegas Nevada on February 19-20. It was an amazing event for everyone involved. This was the first face to face meeting in almost a year. It was also the first hybrid meeting where anyone could attend virtually. It is my feeling that this is how all evens should be and will be in the future.

Highlights from February 11 ExCom Mtg.

- ExCom approved the recommendation from the Committee on Concrete Canoe Competitions to conduct the 2021 Concrete Canoe and other Society-wide competitions virtually, and to support all those involved in making the necessary adjustments to plan, develop, and execute the virtual version of the Society-wide competition experience.
  - Student safety and mobility are key factors being taken into consideration with this recommendation. Vaccine roll-out plans have been hampered in many states, and the full extent of where we will be regarding vaccination of our most vulnerable populations by June is unknown at this time. Additionally, because the competition draws from students across the country, and competitors will not be selected until April, it is unknowable how Universities' policies will impact student travel or what individual students' comfort level participating in a large-scale event may be. Traditionally about 400 students attend this three-day event. The host will be notified and has previously indicated a willingness to participate in planning the virtual event. The committee thinks it is better to ensure the competition cycle is completed, rather than risk a cancellation due to changing circumstances at a date closer to the event. Though virtual, Society-wide competition will succeed in honoring and rewarding competitors' hard work through the culmination of their competition experience.
- ExCom approved the appointment of five additional members for the Task Committee on Building the Civil Engineering Team to ensure a diverse perspective and completion of the task committee's assignment by the 12-month deadline. Preference was given to individuals with a background practicing as, hiring, or educating civil engineering technologists, current or past Geographic or Technical Region Governors, and Younger Members.
- Mark Woodson P.E., LS, F.ASCE, D.WRE – Past President ASCE President 2016 – Principal Woodson
- Melanie Villatoro P.E. – Prof. & Chair – The Dept. of Construction Management & Civil Engineering Technology, NYC College of Technology. Former member of the ASCE Committee on Faculty Development.
- Rafiq Chowdhury P.E. - KAG Engineering - Met Section Director, Past President the ASCE Long Island Branch, Member of Region 1 Student Outreach Committee (Younger Member)
- Bill Blanchard P.E. - KAG Engineering, PLLC - Director Met Section, Past President of the ASCE Long Island Branch
- Anna M. Kotas, P.E. Geotesting Express / Geocomp Corporation , Member Geo-Institute Board, Past Members Chair ASCE Richmond Section
- Society is considering virtualization options for the 2021 Annual Convention. The convention is scheduled to be held in Chicago, IL. The OPALs is scheduled to be part of the convention starting in 2021.

ExCom was advised that the ASCE Foundation voted to authorize a contribution of $800,000 to the Future World Vision project from the Foundation's unrestricted reserves, in lieu of the funds being drawn from ASCE reserves. At its January meeting, the Society Board of Direction voted to authorize a contribution of $800,000 to the Future World Vision project from the Society's reserves.

HISTORY AND HERITAGE UPDATE

""We are continuously faced by great opportunities brilliantly disguised as insoluble problems."
– Lee Iacoocca, American engineer

For the next three months, the Utah ASCE History and Heritage Committee will highlight one 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 Tabernacle at Temple Square. Constructed in the heart of Salt Lake City, the Tabernacle was constructed in 1867 by pioneers who had just begun to settle the valley not more than 20 years prior. The roof structure was designed by railroad bridge engineer Henry Grow. In absence of metal building components, the timber roof arches spanning 150-ft or more were assembled with timber pegs and green rawhide tightly wound around the joints that shrank around the joint as it dried. The building has stood for over 150 years, a testament to the ingenuity and resourcefulness of those first settlers. A seismic retrofit of the building was completed in 2007.

Please see the following websites for additional information:

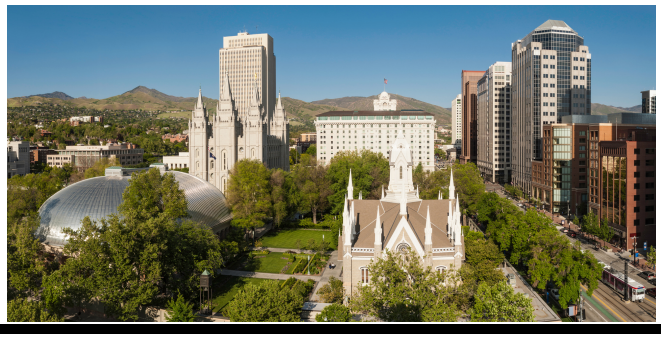
https://www.asce.org/project/mormon-tabernacle/

https://newsroom.churchofjesuschrist.org/additional-resource/tabernacle-project-fact-sheet

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).



CENTRAL UTAH BRANCH UPDATE

The Central Utah Branch has another virtual meeting scheduled for March 25th where Craig Friant will present on the newly released ASCE infrastructure report card. Craig is the 2020 ASCE Utah Infrastructure Report Card Committee Chair and a Project Manager at J-U-B Engineers, Inc as a licensed PE. Also this month is the deadline to apply for scholarship offered by the Central Utah Branch on March 31st. Interested applicants should send their submittals to Zach Herbert (zachary@cuwcd.com). Lastly, we are still looking for presenters for next month's virtual meeting and welcome those interested in sharing their exciting work.

ASCE UTAH SECTION Central Utah Branch

NOMINATING AND ELECTION COMMITTEE UPDATE

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 through the end of this month in preparation for the elections in April.
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 feel free to reach out to your respective branch/forum leadership. You can also send in comments or request for nomination forms at cody@mcneileng.com.

YOUNG MEMBER FORUM UPDATE

Recap of Recent Events:

Utah YMF had the first social event in 2021 after 1 year since the last social event in 2020. The ski/snowboarding night event on Feb 26th 2021 at Brighton ski resort finally happened while the last social event in 2020 was also the ski night in Feb at Brighton ski resort as well. Some videos with a Go pro camera were captured and will be edited for WRYMC preparations.

SEAU (Structural Engineers Association of Utah) YMG had about another 12 people showed up later and created an opportunity for both groups to get introduced to each other.

CONTINUED ON PAGE 7

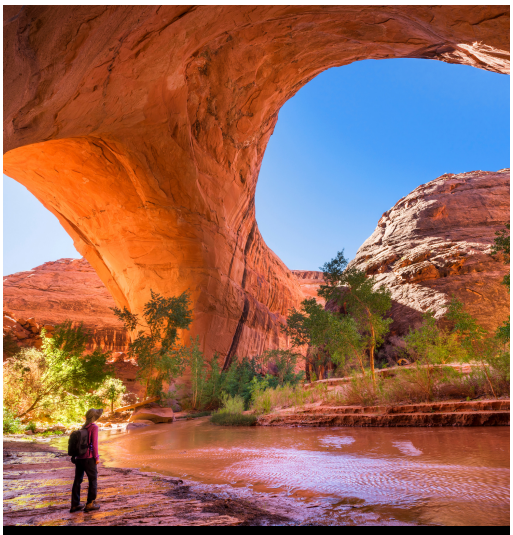
NORTHERN UTAH BRANCH UPDATE

Craig Friant and his team presented to the Northern Utah Branch on the 2020 Utah Infrastructure Report Card. It was interesting to see where we are succeeding and what areas need more attention and funding. As engineers we work hard to improve our communities and it is always nice to see our work making improvements around the state. Craig and his team did a great job explaining what went into making the report card as well as what we can all do to be involved in the future!

The Northern Utah Branch is sponsoring two $250 scholarships for Junior or Senior Civil Engineering students at USU. Applications can be received by emailing the branch (nub.asce@gmail.com) or by contacting the ASCE USU Student Chapter. Applications are due April 5th so let anyone you know that might be eligible (or yourself) that they need to hurry and get those in!

Elections are here for next year's board! We would love to have lots of nominations this year. If you or someone you know would be interested or like to know more let one of the current board members know or email the Branch at nub.asce@gmail.com. Nominations are due at the end of March.

ASCE UTAH SECTION Northern Utah Branch



SOUTHERN UTAH BRANCH

On February 11th and 12th we held our annual spring conference jointly with the southern Utah Branch of APWA. We held the conference online and heard from local engineers, community members and many of our local Washington County mayors. The weather was beautiful for our day of golf and pickleball. If you missed it, we hope to see you next year.

As part of the conference the branch presented the following awards:

Engineer of the Year:

J. Paul Wright, PE
Utah Department of Environmental Quality

CONTINUED ON PAGE 8

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Sabrina McCuen, Faramarz and Taylor attended the student summit. Faramarz made a speech for UYU on Feb 23rd and a few numbers of student attended. Hopefully the student chapter at the UVU get stronger and more active.

ASCE Rocky Mountain Student Conference Judging Volunteers, April 8-10, 2021.

1. Faramarz
2. Tylor
3. Abraham Henrik

The president-elect Taylor has started the PE review classes in Spring 2021. The Kick off meeting is on March 15th.

·https://www.asceutahymf.com/schedule

Faramarz and Taylor attended the MRLC meeting arranged by Leslie Payne. WRYMC is on April 30 to May 1st based on the agenda. The next step to prepare for WRYMC 20202 is by Taylor to plan a meeting with Melissa Hilsabeck with the OC branch who is currently coordinating WRYMC. We got to know the chairs, Jessica and Nestor in the MRLC meeting.

March and April Events:
PE review classes
Science fair

Faramarz Safazadeh, E.I.T.
ASCE Utah YMF, President

CONTINUED FROM PAGE 7

Outstanding Project of the Year:

Cedar City Regional Airport RW 2-20 and RW 8-26 Runway Reconstruction
Engineer: Jviation
Owner: Cedar City

Engineering Innovation Award:
I-15 Exit 16 Interchange Improvements
Engineer: Horrocks Engineers
Owner: UDOT

Washing

Each year, our branch provides grants to teachers throughout the Washington County School District (WCSD) through its charitable foundation. Teachers throughout the school district write up applications for grants where they describe their plans for the money and submit those to the Foundation. The Foundation then works with private industry to find sponsors for each of the grants. You can find more information here: https://www.washk12.org/foundation

This year we were able to award a $500 grant to Katie Jo Martin, an 8th grade Math Teacher at Desert Hills Middle School. The grant will be used to purchase a full set of calculators for her class. Clint Merrell (So. Utah Branch President) and Dane Hurst (So. Utah Branch President-Elect) Presented the grant award Desert Hills Middle on February 25th (See photo).

Last year we gave $2,500 in grants to 5 different teachers to help buy Science, Technology, Engineering and Mathematics (STEM) supplies for their schools. Typically, we use the excess proceeds from our previous years luncheons to fund our grant efforts. Being unable to meet in person for lunch, we have no excess revenue this year. We would still like to fund as many grants as possible for the District. To facilitate this, we have registered our branch with Paypal's Giving Fund so we can collect donations from our members via Paypal. Please consider donating to the fund. You can donate directly to the branch via the following link: https://www.paypal.com/fundraiser/charity/1671010

MEMBERSHIP COMMITTEE UPDATE

by Mark Chandler, PE, PG, CFM

Welcome everyone to the home stretch on the winter, which may be good for many of us getting ready for construction season, but so far is still bad news in the world of water in the State of Utah. I hope this month has all treated you well.

This month I would like to invite all of you to participate in making another member benefit much more useful in our section. That is the Mentor
Match. This is the program where each of us can sign up to be mentors to younger engineers and younger engineers can sign up to receive support from those of us that sign up. As you can see, the larger the pool of mentors in our section, the more powerful this tool is and the stronger our future engineers will be within the industry. Please take a moment to look at this and sign up to be a mentor. It will not take that much time and will open many
opportunities. And as you will see below, we are quickly gaining many student members that will need continued support.

In the past month we have added 4 returning members, 9 new members and 48 new student members.

Welcome Back to Mark Illum, Daniel Billings, John Jensen and Zachary Hulsey.

Welcome to new members Mohamed Askar, Sara Alger, Luis Perez, Wyatt Wray, Tanner Sweat, Wells Holmes, Devin Lujan, Mark Bradshaw, and Bryan Chamberlain.

And we are excited to see the new student members including Colton, Honey, Kylie Ginoza, Jaide Bosen, Nathan Godfrey, Mary Lee, BrianShawcroft, Makenzie Wilson, Kyle Leatham, Spencer Moon, Lorenzo Eusebi-Diehr,Tyler Moulton, Ean Price, David Shill, Brynn Woolley, Devyn Vang, Jonah Dundas, Emily Walmer, Jared Jewell, Trevor Hatch, Danya Tyler, Steven Burdette, Austin Pinter, Dexter Rodriguez, Hunter Joy, Lexie Isbell, Casey Leung, Jordan Christensen, Rebekah Higgins, Riley Marshall, James Niedens, Justin Hunter, Conrad Belshe, Alma Meyer, Lydia Koyle, Chase Moss, Sierra Stewart, Bridger Clymore, Aaron Campbell, Spencer Bailey, Sarah McClellan, Bryson Price, Kamden Peterson, Pedro Montesinios, Chandler Jeppesen, Brittany Welch, Olivia Culley, Decker Ure, and Nathan Porter.

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

Please let us know how we can help you fully utilize these
benefits. Thank you all for your support.

WASATCH FRONT BRANCH UPDATE

by Michelle Haake

"At the end of winter, there is a season in which we are daily expecting spring, and finally a day when it arrives." –Henry David Thoreau

As spring arrives and we look forward to warmer weather, I also can't help but think about our current situation as restrictions begin to lift and we look forward to the day when the end of the pandemic also arrives. There is much we've learned in the past year and hopefully we have all grown from the experiences both personally and professionally. The Wasatch Front Branch is fortunate to partner with the University of Utah this month for our branch meeting. The student chapter has arranged for Dr. Jennifer Weidhaas, PHD, PE, to speak to us on the topic of "SARS-CoV-2 Wastewater Surveillance and Epidemiology." The event will be held virtually, March 19 at 12:00 pm. All are welcome to attend via the Zoom link below. We are also looking for nominations for branch secretary / treasurer for the 2021-2022 year. Please fill out a nomination form or send an e-mail to asce.wasatch@gmail.com.

https://utah.zoom.us/j/99598756178
Meeting ID: 995 9875 6178
Passcode: ASCE

ASCE UTAH SECTION
Wasatch Front Branch

JOB POSTINGS

City Engineer, City of Vineyard Utah
Salary: $82,500 - $120,250

The City of Vineyard, Utah, is located in the heart of Utah County and surrounded by breathtaking lakeside and mountain views, with the Wasatch Mountain Range to the east and Utah Lake to the west. Since 2000, the city's population has grown from about 200 residents to just under 17,000 in 2020, and currently ranks as one of the top growth areas in the country. Vineyard is within driving distance of 5 national parks, 6 national forests, 7 national monuments, 14 world-class ski resorts, and hundreds of thousands of acres of diverse terrain for any and all outdoor activities. The city provides all the charm of a rural lakefront community with easy access to a full range of amenities and recreation.

The City of Vineyard's Public Works Department ensures that all of the utility systems (sewer, water, and storm drain) are in excellent working condition, and maintains approximately 42 miles of public roadways, 23 miles of walking/biking trails, and approximately 36 acres of public parks, as well as landscaping along the sidewalks and trails. The Public Works Department operates on a 2021 budget of $5,000,000 with 15 employees.

Under the direction of the City Manager, the City Engineer is responsible for planning and organizing the activities of the Engineering Division of the Public Works Department and serves as the Engineer of Record for the city. The City Engineer will be a member of the executive staff team that assists the City Manager with participation on boards, commissions, and committees, and provides counsel to other departments on matters of engineering. The City Engineer is responsible for system design and plan checks for compliance with specifications, and for plan preparation and contract specifications for public works projects, which include bid openings and project management.

A bachelor's degree from an accredited four-year college or university in Civil Engineering or a closely related field and 5 years of experience as City Engineer of Record is required. Candidates must also possess a Professional Engineer License.

For a complete position profile/full job description and to apply online, visit Prothman at https://www.prothman.com/, click on "Open Recruitments" and then click the position title. To apply, click on "Apply Online" and follow the directions provided. For questions, call 206-368-0050. The City of Vineyard is an Equal Opportunity Employer. First review of applications: **February 7, 2021** (open until filled).

Job Postings in ASCE
Utah's Civil Source Newsletter are free to its members. If you have a Job Posting that you would like for us to include please email it to info@asceutah.com

INTERNSHIP OPPORTUNITY

McNeil Engineering's Cache Valley office in Logan has a paid internship opportunity in their structural engineering department for a civil engineering student.

Applicant is to be a current civil engineering student with a structural focus, preferably in their senior or the latter part of their junior year. Must be moderately skilled in Microsoft Excel, Word and AutoCAD. A working knowledge of REVIT will be given preference.

Job opportunities will include being trained as a structural engineer, working in an excellent team and assisting in the preparation of structural construction documents under the direct supervision of an engineer.

This internship could lead to a permanent position.

Hours are part-time between 8 and 5 on weekdays and fairly flexible to work with school schedule (maximum of 20 hours a week).

Please submit resumes to REBECA@MCNEILENG.COM

ANNOUCEMENTS

PE EXAM REVIEW COURSES

Join us for our 2021 Spring PE Review Course!. Don't miss out on this great opportunity to be prepared for the PE Exam this spring! The courses will be offered virtually so don't leave the comfort of your own home or workplace to attend! For information on how to register, please follow the link below. For additional questions and concerns, please reach out to Taylor Hall.

Regular Registration
ASCE Members: $275
Non-ASCE Members: $375

ASCE YMF PE Review Courses Registration
ASCE YMF PE Review Courses Schedule

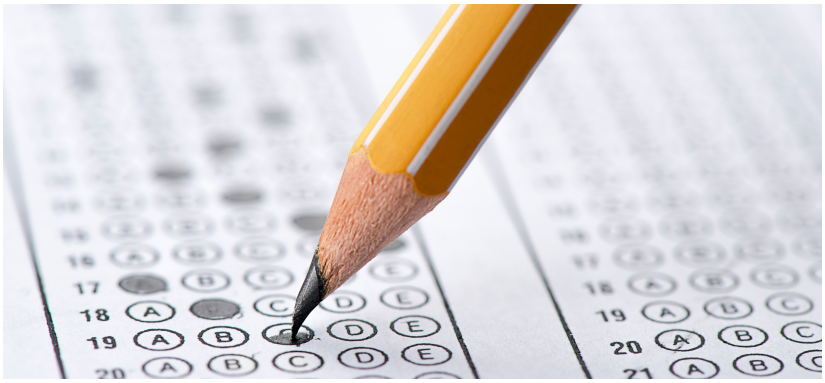
Spring 2021 PE Review Course Schedule
March - April
Tuesday and Thursdays 6:00-9:30PM

Topics & Tentative Date
Kickoff Meeting - Monday, 03/15/2021
Structures Breadth - Tuesday, 3/16/2021
Transportation Breadth - Thursday, 3/18/2021
Transportation Depth -Tuesday, 3/23/2021
Construction Breadth - Thursday, 3/25/2021
Water Resources - Tuesday, 3/30/2021
Geotechnical Breadth - Thursday, 4/1/2021
Geotechnical Depth - Tuesday, 4/6/2021
Structures Depth - Thursday, 4/8/2021
Environmental - Monday, 4/19/2021
Construction Depth - TBD

REGISTERING FOR THE 2021 FALL PE EXAM

The PE Exam will be held on April 22 and 23 this spring. The test will be administered over a two day period this year due to the circumstances surrounding COVID-19. For those who are registered, you will be informed of the testing day you have been assigned based on your selected dicscipline. For those who haven't registered, you have until March 4, 2021. Due to COVID-19, the testing procedures are dynamic and subject to change daily. Please reference the links below and emails from NCEES regarding potential changes,

NCEES REGISTRATION
NCEES COVID-19 NEWS



VOLUNTEER JUDGES NEEDED!

HELP WANTED

ANYONE WITH TECHNICAL QUALIFICATIONS CAN PARTICIPATE!

WHAT?

CONCRETE CANOE, BLUE SKY INNOVATION CONTEST, PRE-DESIGN COMPETITION, TECHNICAL PAPERCONTEST, ETC.

WHEN?

APRIL 8-10, 2021 ON ZOOM, SO YOU CAN PARTICPATE FROM ANYWHERE!

HOW?

EMAIL 2021BYURMC@GMAIL.COM TO GET INVOLVED!

ASCE SOUTHERN IDAHO & UTAH SECTIONS PRESENT

ALL IN

HAPPY HOUR

Join us online for an evening of fun to learn Blackjack and get to know your fellow Region 8 members and leadership!

MAR 24

6PM MST | WEDNESDAY
RSVP - EVENTBRITE

CLICK HERE

OR EMAIL
MATT@MCNEILENG.COM