

ALASKA CAPITAL ENGINEERS

APRIL 2020



Upcoming Events

All events cancelled until further notice

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Juneau Branch - American
Society of Civil Engineers

ASCE Juneau President Message

Dear Alaska Capital Engineers,

Given the current situation with the coronavirus (COVID-19) pandemic we hope that everyone is being safe and following the current federal, state and local guidelines. In order to help protect the health and welfare of our members and our community all future Juneau Branch ASCE luncheons will be cancelled. During these times many of us may find ourselves with some extra free time that we are looking to fill and I wanted to remind you of some of the opportunities that ASCE has that can be performed online from your home.

Firstly I wanted to remind all of you that the Juneau Branch fundraises and awards scholarships to local high school students that are pursuing a degree in Engineering. If you know a high school senior that you think would be a good fit, please encourage them to apply for our scholarship. The application can be found online at our website <http://branches.asce.org/juneau/resources> or by reaching out to the Juneau School District Career Advisor, Terri Calvin.

Another opportunity you have as a member of ASCE is to complete 10 on-demand webinars from the ASCE continuing education [library](#) for free. You can select from over 200 webinars to find something that is interesting and pertains to your field of work. Each webinar is worth 1.0-1.5 PDHs and can be used for your continuing education for licensure, all from the comfort of your own home.

We hope that everyone can stay safe and healthy and we are looking forward to being able to see all of you again, hopefully in the not too distant future.

Thank you,

Ethan Roemeling
President
Juneau Branch ASCE

Support the Endowment of the Dale Nelson Memorial Civil Engineering Scholarship Fund



Dale Albin Nelson, PE, F.ASCE 14 December 1944 – 01 January 2019

Growing up in Washington, Dale worked at his parents’ logging and sawmill business as well as at his grandparents’ cattle ranch. Completing his degree in Civil Engineering, Dale realigned his dream and moved to Alaska, where he worked for the U.S. Army Corps of Engineers at Fort Richardson. Soon after, Dale married Elaine, and they were blessed with two children: Garth Nelson, a registered civil engineer, and Lesa Zimnawoda, an environmental scientist.

Committed to strong family values, Dale was a strong role model for Anchorage youth, teaching positive work ethic, compassion, and community involvement, and a stalwart proponent of young engineering professionals, providing powerful mentorship and advocacy. He distinguished himself as an active and influential member of ASCE, assuming leadership responsibility within ASCE beginning in 1971, serving all positions within the Board of Directors of the Anchorage Branch and the Alaska Section, and as a Regional Governor and Director. In October 1999, Dale was elevated to the ASCE Fellow status and he became a life member in 2009. Throughout his career, Dale was admired and well respected by the engineering community he so passionately served.

Dale Nelson Memorial Civil Engineering Scholarship Fund

In his honor and memory, Dale’s family established the Dale Nelson Civil Engineering Memorial Scholarship, which is currently gathering funds through the University of Alaska Foundation in a holding account. Current funding has reached \$22,000, and it is hoped that the \$25,000 level needed for an endowed scholarship will be reached soon

Your Financial Support

If you are able to contribute, you may do so online (<https://engage.alaska.edu/>, select "Other" as designation, and write "Dale Nelson Memorial Scholarship Fund" in the comment section), by check (checks payable to “University of Alaska Foundation” and write "Dale Nelson Memorial Scholarship Fund" in the memo section), or by wire transfer (contact the University of Alaska Foundation at 907-450 -8030 or foundation@alaska.edu for details).

Checks may be mailed to:

University of Alaska Foundation
2025 Yukon Drive
PO Box 755080
Fairbanks, AK 99775

University of Alaska Foundation
1815 Bragaw St., Ste.203
Anchorage, AK 99508



Tax ID # 23-7394620

Deputy Port Engineer

Full-Time Position

Position open until filled



This is the first level registered professional engineer (PE) or architect. Work is performed under general direction. Independently performs most assignments with instruction as to the desired outcome. Receives instructions on specific assignment objectives, complex features and possible solutions. Provides professional management of engineering, architectural and construction projects. May lead the work of lower level engineering/architectural staff.

Typical responsibilities include the following:

Assists in the preparation of and/or prepares drawings, specifications, cost estimates, reports, contracts and requests for proposals (RFPs); utilizes professional seal where appropriate.

- Provides technical architectural, engineering, and landscape architecture services and/or support for projects that construct new, or renovate or modify existing, CBJ owned or operated facilities.
- Assists with and/or conducts negotiations related to professional service contracts.
- Reviews and/or creates permit applications, including plans and drawings and specifications for compliance with regulatory codes and standards.
- Serves as a CBJ representative for management of multiple planning, design and construction projects.
- Manages and conducts project activities to ensure CBJ's interests are protected.
- Continuously monitors and inspects construction work quality, workmanship, and material selection to ensure compliance with contract documents; identifies deficiencies; recommends corrective actions; coordinates the resolution of issues between parties.
- Issues Stop Work orders, Notices of Defective Work and imposes other contractual mechanisms to contractors not complying with the contract documents.
- Monitors contractor's construction safety program and maintains safe practices for CBJ personnel at the construction site.
- Proposes and implements a dispute resolution program.
- Develops project budgets; provides fiscal control of projects; reviews and approves expenses charged to projects; administers professional design and construction contracts for timely completion; establishes and maintains the financial project records; and assists in financial audits.
- Determines appropriate insurance and bonding limits and amounts for a variety of project types.
- Designs, conducts and manages specialized studies; identifies alternatives and makes recommendations.
- Assesses project needs and hires, or recommends the hire, of qualified staff to provide high quality public service.
- Prepares reports regarding the status of projects.
- Trains other CBJ staff on project management, documentation and CBJ policies and procedures.
- Supervise and direct staff
- Makes oral and written presentations to the Assembly, Docks & Harbor Board, Commissions, Client Department groups and the public.
- Develops and implements departmental policies and procedures.
- Other related duties as assigned.

For more information and directions on how to apply, visit the City and Borough of Juneau Website.



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Submit Resume & Cover Letter to:

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PDC is an Equal Opportunity Employer

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, or protected veteran status and will not be discriminated against on the basis of disability.

Ongoing Recruitment

We always have room for more talent. If this position isn't the right one for you but you still feel like you'd be a great addition to our team, visit www.pdceng.com/open-positions and let us know what position you're interested in. We'll make sure your information gets into the right hands.



www.PDCENG.com

Civil Engineer

Position Opening

Location: Juneau, Alaska

PDC Engineers is seeking a leader to join our full-service engineering team! We design innovative world-class projects utilizing state-of-the-art technologies.

This is a hands-on design and management position for utility, site and transportation design projects. Applicant must have experience providing technical leadership within civil engineering and diversified knowledge of engineering and construction practices. Candidates must possess strong communication skills, and the ability to lead a multidiscipline team, manage projects and interact with clients. This is a great career opportunity for a dynamic, energetic individual with proven technical and leadership skills.

Qualifications/Skills:

- B.S. in Civil or Engineering
- Alaska Professional Civil Engineer License or ability to obtain within one year
- 10+ years' of experience
- AutoCAD & Civil 3D proficiency
- GIS experience is a plus
- Able to manage team and contracts on multiple projects concurrently
- Detail oriented & well organized with demonstrated ability to meet deadlines
- Strong verbal & written communication skills

PDC is a 100-percent employee-owned company. We offer competitive pay, excellent benefits (healthcare, retirement, disability & life insurance, paid time off, 8-holidays/year) and advancement opportunities.

Submit your cover letter and resume to PDC Engineers, Attn: Human Resources, 6205 Glacier Hwy., Juneau, AK 99801 or at jobs@pdceng.com.

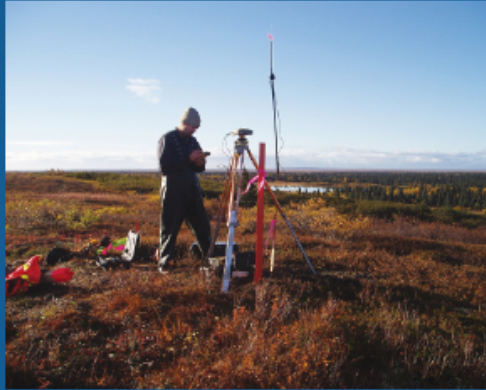
All responses held confidential. Open until filled.

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Ongoing Recruitment

We always have room for more talent. If this position isn't the right one for you but you still feel like you'd be a great addition to our team, visit www.PDCENG.com/open-positions and let us know what position you're interested in. We'll make sure your information gets into the right hands.



WWW.PDCENG.COM

Professional Land Surveyor

Position Opening

Location: Juneau, Alaska

PDC Engineers is seeking an experienced Professional Land Surveyor to join our full-service engineering team and lead and grow our Southeast Survey Department in Juneau, AK. We design innovative world-class projects utilizing state-of-the-art technologies from five offices throughout Alaska. We offer competitive pay and excellent benefits that includes paid time off (PTO), eight (8) paid holidays/year, healthcare, group life/disability, retirement, education reimbursement and advancement opportunities. PDC is a 100-percent employee-owned company.

The successful candidate will be licensed as a Professional Land Surveyor (PLS) in the state of Alaska. Duties include establishing legal boundaries of properties, subdivision plats, Dept. Of Natural Resources plats (ASLS, ATS, Accretions). This position facilitates work for small to large projects and entails the ability to work on many type of survey works, collaborating with multi-discipline engineering staff, clients, and other invested individuals to review and coordinate findings; interprets survey data and calculates geodetic measurements to determine shapes, positions, and elevations of geomorphic and topographic features. Schedules, assigns, supervises work of survey parties, engages in collection, processing and mapping of survey data. Provides advanced professional, technical, day-to-day support, guidance, and input to staff and other team members. Prepares project submittals to ensure that project budgets are met and reviews each project upon completion for quality assurance.

Qualifications/Skills:

- Registered land surveyor in Alaska
- 5+ years of relevant work experience
- Proficient in Trimble Business Center and AutoCAD with Civil 3D desired
- Experience with GPS equipment, total station instruments, data collectors
- Boundary, control, Bathymetric, and topographic survey experience
- Thorough understanding of the principles, practices, and procedures of land surveying
- In depth knowledge of federal and state laws related to land surveying
- Excellent mathematical skills to conduct land survey analysis
- Strong verbal & written communication skills
- Ability to work on multiple projects concurrently and meet deadlines

Submit your resume to **PDC Engineers, Attn: Human Resources, 6205 Glacier Highway, Juneau, AK 99801** or at jobs@pdceng.com. Open until filled.

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proHNS is Hiring (Civil Engineer)

Haines, Alaska

This position, based in Haines, AK, will manage a variety of interesting projects and hone your skills in site development, production of construction drawings and specifications, design of utilities, and construction of government-owned facilities. Most of our projects include all aspects of civil engineering design through on-site construction inspection and contract administration. This job requires professionalism, out-of-the-box thinking, open communication, and a willingness to push the limits of one's expertise. For the right candidate, this is a position that allows for putting down lasting roots in Haines while also continuing to grow with proHNS.

Successful candidates will have at least five years of relevant professional experience, a bachelor's degree in civil engineering or related field, and an Alaska Professional Civil Engineer license (or ability to obtain within one year). Preferred skills include proficiency in AutoCAD Civil 3D and other engineering software applications, solid time management skills, and ability to produce accurate, high-quality work under deadline.

We offer competitive pay, paid personal leave, a SIMPLE IRA retirement program, eligibility for annual performance bonuses, a relocation stipend, and more. To learn more about the position, visit www.proHNS.com/careers. Submit your cover letter, resume, and references to solutions@proHNS.com.

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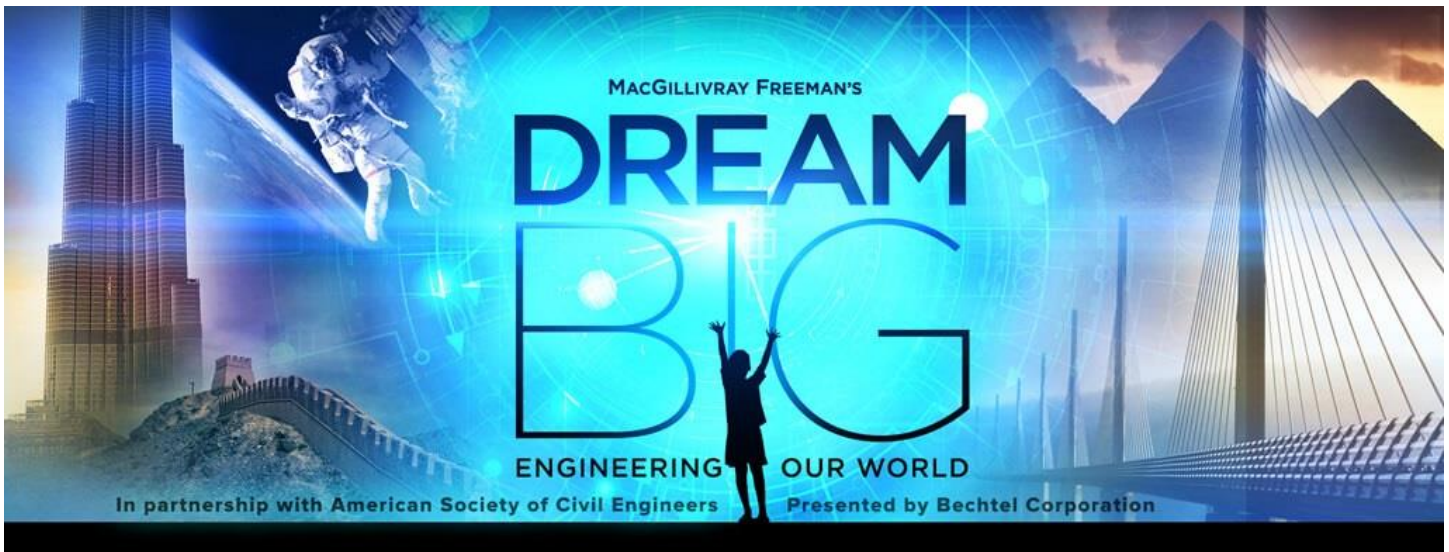


The MATHCOUNTS Foundation is a 501(c)3 non-profit organization that reaches students in grades 6-8 in all US states and territories with extracurricular math programs. More than a quarter million students participate each year.

<https://www.mathcounts.org/>

For information on MATHCOUNTS in Juneau, or to volunteer, contact Doug Murray (dougmurray@pdceng.com)

Members of last year's Southeast regional MATHCOUNTS winning team from Dzantik'i Heeni Middle School. From left: coach Mary Borthwick, Marina Lloyd, Krishna Bathija, Addy Mallott and Edward Hu. (Kevin Gullufsen | Juneau Empire)



All around the world, engineers are pushing the limits of ingenuity and innovation in unexpected, imaginative, and amazing ways. Dream Big: Engineering Our World, a giant-screen film about engineering, takes viewers on a journey of discovery from the world's tallest building to a bridge higher than the clouds. Along the way, the audiences witness how today's engineers are shaping the world of tomorrow.

[Available on Netflix](#)

ASCE News Brief



How Civil Engineering Works When Civil Engineers Work From Home

BY Ben Walpole

The civil engineering profession looks a lot different today than it did a month ago or even a week ago.

Photograph courtesy of ASCE.org

With government agencies and state and local officials across the nation recommending extreme social distancing measures because of the coronavirus pandemic, many civil engineers are working from home.

But how does that work?

Amid unprecedented circumstances, civil engineering firms and civil engineers are creating the playbook for this new reality as they go.

Innovations on the fly

For Larkin Myers, the brainstorm started with a headache.

Myers, P.E., M.ASCE, is the president of Tioga Environmental Consultants Inc., a small firm of 12 in Memphis, Tennessee. As coronavirus concerns ramped up last Thursday, her head started to hurt.

“I went to take some Advil, but I thought, ‘Wait, what if I’m actually sick? If I took Advil, I wouldn’t even know if I had a fever,’ and it just got my head spinning,” Myers said. “I’m a mom, and I feel responsible for all the people who work for us. I’m trying to figure out how to take care of everybody in my little circle.

“So having that headache made me think, ‘What if I actually came down with coronavirus? We’ve all been in this office together. Would we then ask everybody to quarantine themselves to make sure they didn’t have it?’

“We can’t take a closure of 12 weeks. If a bunch of us got sick and literally closed the doors, you know, that can end a business.

“So I had the idea to split the team along resources.”

[Read More >>>](#)

Professional Development Hours

The ASCE Juneau Branch will provide electronic continuing education development hour certificates for those who are interested in tracking development hours received by attending the Alaska Capital Engineers Luncheons to hear speakers present on engineering topics. Certificates can be found on the branch webpage: <http://branches.asce.org/juneau/>

ASCE Juneau Branch Website

Bookmark this website for easy access to the events calendar, PDH certificates, new and archived newsletters, contact information and much more:

<http://branches.asce.org/Juneau/>

For questions or concerns regarding the Juneau Branch ASCE website, please contact Ethan Roemeling.

AccessEngineering

Developed in partnership with McGraw-Hill Education, ASCE members now have FREE and unlimited usage of this award-winning engineering reference tool:

www.asce.org/AccessEngineering

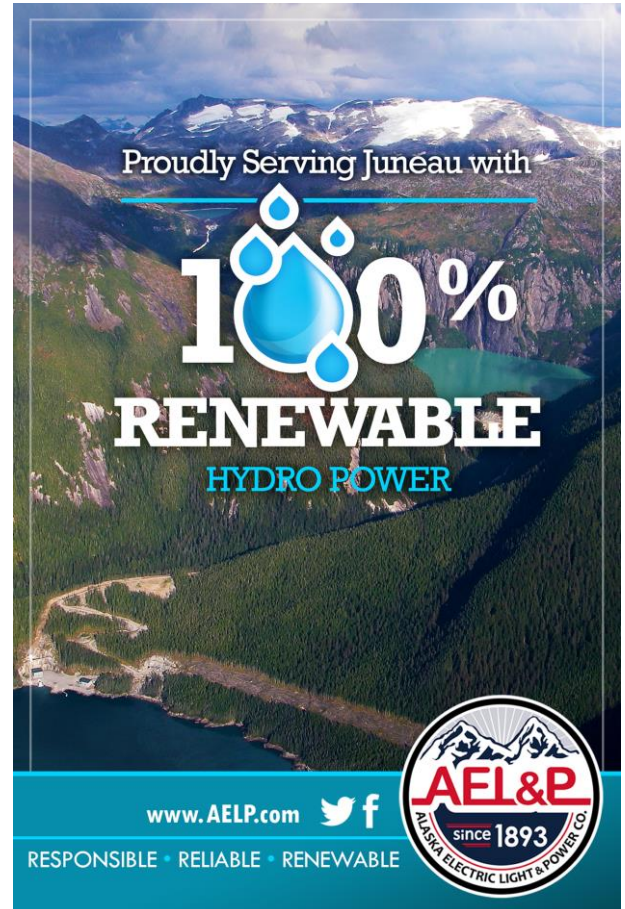


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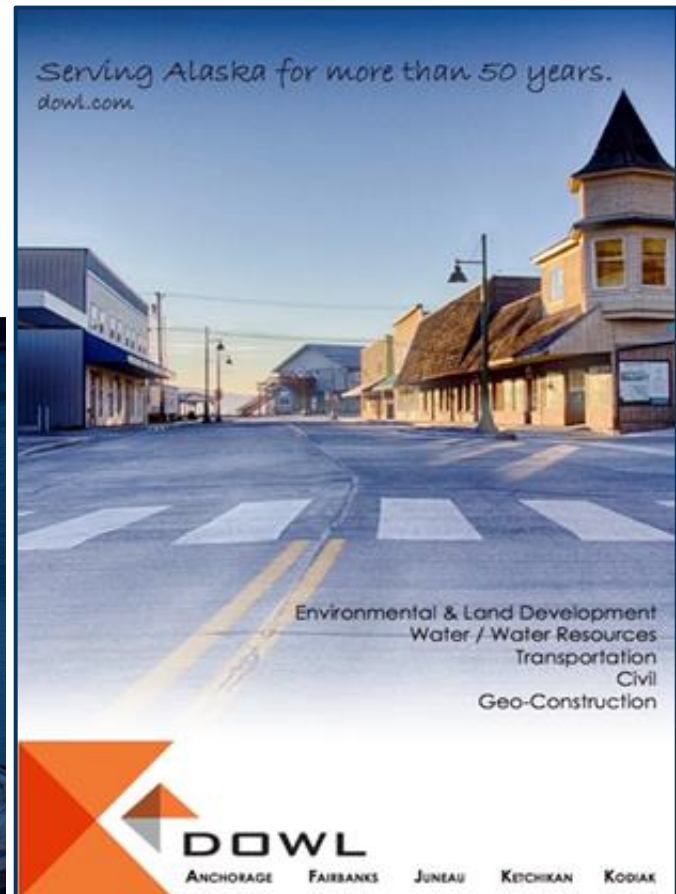
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Membership and Renewal

Thank you for your continued membership and support for ASCE and NSPE. Our professional organizations provide a great opportunity to network with other members of the engineering profession. Select the links below for society membership information.

[ASCE Membership Information](#)

[NSPE Membership Information](#)

2019-2020 Alaska Capital Engineers Officers

ASCE

President – Ethan Roemeling, EIT

Vice President - Lucas Chambers, PE

Treasurer – Janice Wells, EIT

Secretary – Micki Minsch, EIT

Past President – Matt McGuan, PE

Emeritus – Naomi Hobbs, PE

Special Committees

School Outreach/STEM Coordinator - Please Volunteer

Dream Big Coordinator - Please Volunteer

ASPE - Alaska Society Contacts

Past President - Jeanne Bowie, PE

President - Chris Miller, PE

President Elect – Craig Bledsoe, PE

Secretary - Leora Houtary, PE

Treasurer - Michael Spano, EIT

NSPE House of Delegates - Brad Fristoe, PE

Anchorage Chapter Director – Brian Lamson, PE

Fairbanks Chapter Director - Frank Wuttig, PE

Juneau Chapter Director - Darrell Wetherall, PE

To support Alaska Capital Engineers, consider sponsoring this newsletter. Contact Ethan Roemeling at EthanRoemeling@pdceng.com