

December 2015

ALASKA CAPITAL ENGINEERS

Upcoming Events

- **December 9, 2015:** Speaker—Monica Blanchard, “SR 520 Bridge Project”
- **January 13, 2015:** Speaker: Dave Prusak, ASCE Region 8 Governor
- **February 11, 2016:** Alaska Professional Design Council Luncheon: Location TBA
- **March 10, 2016:** TBD

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December Menu Lunch Buffet

Catering by Abby’s
Kitchen

Menu to Be
Determined



Contact Sam Kito or Justin Kanouse to submit ideas for luncheon Speakers



Vice President's Message

Greetings Alaska Capital Engineers and fellow professionals:

As we look out the window we see the start of winter activities and a much colder time of the year. As we Alaskan's know, this is an important time to use care and always keep in mind the extra few items to pay particular attention too. Everyone stay safe whether its being a defensive driver, watching for slips and falls, and dressing for the weather if you have to do any outside field work.

The new Juneau Board members have officially been in the swing of things and we look for to serving you this up and coming year. Exciting things on the horizon include E-week, submittals for Engineer of the Year and Project of the Year, and the once a year E-week Engineers banquet. This year's banquet will be held again at the Baranof Hotel with tickets coming out soon.

Our next luncheon will feature Monica Blanchard discussing the SR 520 Bridge Project on our December 9, 2015 at noon. The SR 520 Bridge Replacement and HOV Program is enhancing public safety and mobility by replacing the highway's aging, vulnerable bridges and making significant transit and roadway improvements throughout the corridor. The construction program's planned improvements extend from I-5 in Seattle to I-405 in Bellevue. AELP has been a great host and we will look forward to seeing you there.

Please welcome Brian Ribbans, EIT from R&M Engineering for stepping in and taking our empty spot left vacant. Brian, we the board and your fellow ASCE members appreciate your volunteering and helping ASCE by being this year's Secretary.

Also consider volunteering to help us out for DiscoverE Week this year. E-week activities will be taking place February 21-27, 2016. We will be helping to coordinate school visits, and working to get the word out in our community about the benefits of engineering, and the engineers behind the programs and projects. If you are interested, then contact any of the board members and we will make sure that you are put to go use.

Wishing everyone a wonderful, safe and exciting holiday Season!

Sincerely,

Justin Kanouse, EIT
Juneau Branch Vice-President

December Program

This month's presentation will be about the new SR520 floating bridge on Lake Washington in Seattle. The presentation will be given by **Monica Blanchard, P.E.** Project Engineer, Manson Construction Co.

The new SR520 Floating Bridge on Lake Washington will be the longest floating bridge in the world when it opens in April of 2016. Since 2011, Kiewit/General/Manson, a Joint Venture, has been working on the design and construction of the new bridge. The presentation will consist of a general project overview as well as specifics on the construction of the pontoons, pontoon towing, pontoon joining, anchor installation, high-rise and low-rise columns, precast and cast in place floating bridge segments, cast in place segmental approach bridge, steel transition spans, site civil work, bridge maintenance facility, and electrical installation.

Monica Blanchard is currently Manson Construction's Project Engineer for the Port of Juneau Cruise Ship Berths project. Monica is a Washington State registered Professional Engineer and has nine years of experience as a civil engineer and seven years in the marine construction industry. She has estimating and field experience with a wide variety of complex waterfront projects for local, state, and federal governments as well as private corporations. Most recently, she worked on the SR520 Floating Bridge and Landings project as an estimator, Project Engineer, and Marine General Superintendent at various stages of the project.



ASCE News Briefs

[Meet ASCE's New President](#) November 10, 2015

[Student Teams Getting the Structure in Place for Steel Bridge 2016](#) November 20, 2015

[Giving Thanks: A Global Phenomenon, an American Tradition](#) November 4, 2015

[Canadian Wastewater Treatment Facility Becomes First ISI Envision-Verified Wastewater Facility in North America](#) March 9, 2015

[Why Are Modern High Rises More Curvy?](#) June 7, 2015

['Disruptive Thinking' Sets Tone for ASCE 2015 Convention](#) October 13, 2015

[The Future is Now, Again](#) October 27, 2015

Follow the links below to learn more about the condition of America's Infrastructure. The Infrastructure Report Card Process has begun with an anticipated release of an updated report in 2017.

[Failure to Act reports Report Card on America's Infrastructure](#)





USACE Alaska District constructed a harbor at Akutan in the Aleutian Islands between May 2011 and October 2012. The \$31.9 million project established an entrance channel and mooring basin, along with two rock breakwaters. USACE ALASKA DISTRICT PHOTOS



A Civil Engineer Makes a Special Impression on Fourth-Graders

BY Ben Walpole

November 13, 2015

Word spread around the classroom in a flash – the guest of honor had arrived. The students piled around the doorway, trying to see.

“Where is he? Where is he?”

Who was visiting Leanne Fisher’s fourth-grade classroom at Liberty Elementary School in Chantilly, Loudoun County, VA?

An athlete? A rock star?

Nope. To the kids, even better. The guest of honor was James Wonneberg, civil engineer.

“They definitely think James is a superhero,” Fisher said. “He’s famous.”

Fisher’s fourth-graders have been learning about engineering as part of a Loudoun schools initiative, One to the World, which aims to develop 21st century-relevant skills in students through project-based learning. In October, Fisher screened an [ASCE video](#), “What Do Engineers Do?” which featured Wonneberg and his work on construction of a massive tunnel to help reduce sewer overflows into Washington, DC, rivers. Her students were so excited by what they’d seen that she decided to reach out to Wonneberg via Twitter. [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. For more information contact Carl Uchytel

Mendenhall Wastewater Treatment Plant Tours

The CBJ Department of Public Works is pleased to announce that the Mendenhall Wastewater Treatment Plant is open to the public for tours every Wednesday from 2:00 to 3:00 PM.

Tours are free of charge, and will cover how the treatment plant operates, updates and improvements to the system, and the unique challenges of treating wastewater in Juneau.

For more information or to schedule a tour, contact the CBJ Wastewater Utility at 586-0393.

Engineer of the Year and Project of the Year

It's time to think about our hard-working friends and coworkers and their projects. As we get closer to the new year, please consider nominating an engineer and/or project for this year's awards.





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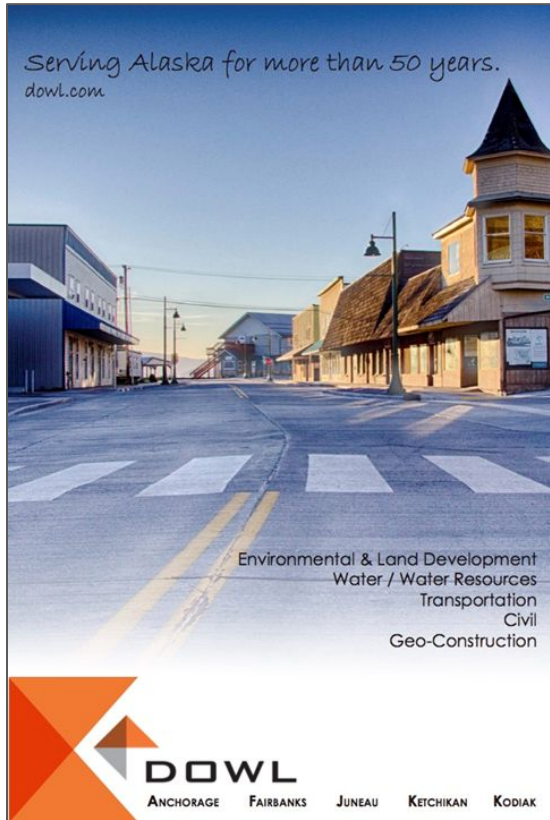
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Juneau Chapter
Alaska Society of Professional Engineers

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](#)

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2015-2016 Alaska Capital Engineers Officers

ASCE

President - Sam Kito III, PE
Vice President - Justin Kanouse, EIT
Treasurer - Matt McGuan, PE
Secretary - Brian Ribbans, EIT
Past President - Carl Uchytel, PE
Emeritus - Loren Rasmussen, PE

Special Committees

DiscoverE Week - Please Volunteer
Halibut Feed - Please Volunteer

ASPE - Alaska Society Contacts

Past President - John Pekar, PE
President - Brad Fristoe, PE
President Elect - Angela Smith, PE
Secretary - Jordan Martin, EIT
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Anchorage Chapter Director - Jeanne Bowie, PE
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Juneau Chapter Director - Darrell Weatherall, PE

