

Event Calendar:

- October 22-
Transportation
Meeting
- October 24-
YPG Nebraska
Football Tailgate

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October Meeting

Date: Thursday, October 22, 2015

Host: Nebraska Section ASCE, Construction Technical Group (Doug Kellner, Construction Technical Group Committee Chair)

Spouses and Guests Welcome

Location: Florence Water Treatment Plant
9100 Pershing Dr.
Omaha, NE

All participants must be registered in advance and present a valid photo id for admission.

Please note Safety Equipment is required to participate on the tour.

Required items are: hard hat, safety vest, safety glasses, full pants and full toe shoes or boots. Please make arrangements for safety gear prior to arriving on site.

Program: **Site Tour of the Howell Filter Building**

Tour Guide: Metropolitan Utilities District

<i>Times:</i> 5:15 pm	Meet at Florence Water Treatment Plant
5:30 pm	Presentation and Tour
7:15 pm	Dinner at Tussy's Casual Grill 9229 Mormon Bridge Rd, Omaha, NE 6815

Menu/Price:

12 oz Grilled Omaha Strip Steak

Grilled Honey Salmon- drizzled with warm honey

Italian Grilled Chicken- asparagus, roasted red peppers, asiago cheese

Mediterranean Pasta- linguine tossed with garlic, olive oil, herbs, sundried tomatoes, capers, artichoke hearts, and kalamatta olives with asiago cheese

\$15.00 (includes tax and tip)—payable to NEASCE at the door (cash, check, or credit card).

Life Members and Students are FREE....but you must register.

Registration/Deadline: Register at <http://meeting.neasce.com/signup/>
Sign up by 1:00 pm Wednesday October 21, 2015.



**Joe Flaxbeard, PE,
M.ASCE**

From the President

Greetings, Nebraska ASCE!

This month, we have an excellent opportunity to tour the Howell Filter Building at the Metropolitan Utilities District Florence Water Treatment Plant in Omaha. If you have the availability, please RSVP for this tour, as it will be a unique look into the rehabilitation of infrastructure that was built in the early 1900s.

Infrastructure is a word that I am sure most of us use in our daily vernacular around the office, or even at home. As civil engineers, the design, maintenance and construction of public infrastructure is often at the forefront of our daily work. We understand its importance to our communities, and we also understand the costs associated with new and rehabilitated infrastructure projects.

Unfortunately, the importance of maintenance and improvement of our infrastructure is often overlooked by the general public and politicians. As I am sure you are all aware, the 2016 elections are slightly over a year away. Over the next year, we will hear the candidates for several offices discuss and debate a wide variety of issues, hopefully the topic of how to improve our nation's infrastructure will rise as a priority during the process. If you are interested in the political process at all (at least hopefully as an educated voter), I challenge you to start educating yourself on the candidates' positions on infrastructure and infrastructure spending. It is not too early for all of us to get informed.

I hope to see you at the October tour and at many events through the ASCE year.

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September Meeting Summary

The Nebraska Section's Structural Technical Group hosted a joint dinner meeting in association with the Structural Engineers Association of Nebraska (SEAN) and the Annual Structural Conference at Granite City in Omaha on Thursday evening, September 17th. We socialized before and during the meal to catch up with those attending after the summer break. We enjoyed a hearty meal before the presentation. The main presentation for the evening was given by Dr. Christopher Tuan with the University of Nebraska-Lincoln. Dr. Tuan presented on the "Introduction to Electrically Conductive Concrete."

Dr. Tuan's presentation provided information on electrically conductive concrete and its uses. He focused on how steel and carbon materials are mixed into the concrete in the correct proportions to make it electrically conductive. He specifically went through examples of how he has tested and used the system for roadway deicing, and radiant heating. One example of this technology was the award winning Roca Spur Bridge on Nebraska Highway 77 south. He also gave examples of prototypes use of electrically conductive concrete for electromagnetic pulse and interference shielding. It was inspirational to have a leading expert on electrically conductive concrete speak at our meeting.

The list below can be considered official documentation of attendance at the September 17, 2015 meeting and presentation worth one (1) PDH credit.

Daren Konda	Mike Sklenar	Kyle Kauzlarich	Mark Mainelli	Summer Craft
Jeremy Steenhoek	Lisa Holland	Mark Holland	Joseph Meuret	Anthony Klaumann
Joe Flaxbeard	Gopalakrishna Allam	John Smith	Romeo Reales	Greg Seib
Micheal Asaad	Dana Anderson	Tom Jizba	Mark Giesmann	Kip Squire
Steve Kneip	Tim Strickland	Gary Krause	Maggie Lanigan	Loras Klostermann
Jake Hanna	Nancy Melby	Jeff Ehler	Christie Hasenkamp	Bruce Harris
Jeff Kopocis	Mike Baumert	Andres Torres	Govin Magar	Victor Sanchez
Ryan Hanson	Robert Greenberg			

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Annual Structural Conference

The 35th Annual Structural Conference was held the following day, on Friday, September 18th. The full day conference was hosted at the Scott Conference Center in Omaha, NE. The conference was well attended again this year with over 260 participants. Conference notes were provided as part of the \$175 registration fee (\$150 for NEASCE and SEAON members, \$50 for full-time students).

The Nebraska Section of the American Society of Civil Engineers (NEASCE), the Structural Engineers Association of Nebraska (SEAON), the University of Nebraska, and the Peter Kiewit Institute are joint sponsors of the Conference.



In The News

By: Peter Nonis

October 14th, 2015

Today, the chairman of the U.S. House of Representatives Committee on Transportation & Infrastructure (T&I) Bill Shuster (R-PA) announced that his committee would be holding a mark-up of a surface transportation authorization bill on October 22. The bill, text of which has not yet been finalized is titled, the Surface Transportation Reauthorization and Reform Act of 2015. In making the announcement, Shuster noted that the bill would, “reform programs, refocus those programs on national priorities, provide more flexibility and certainty for state and local partners, and welcome innovation.”

The announcement comes after legislative progress this summer by the U.S. Senate which passed theDRIVE Act that provides three years of increased funding and six years of policy for federal road, bridge and transit programs. This funding increase is supported by a large majority of Americans as demonstrated in a recent public survey by the motor club AAA. The survey found that 70% of respondents believed that the federal government should invest more than it does now for roads, bridges and mass transit systems. The survey also found that only 38% of Americans believe that Congress is taking the necessary steps to ensure that our roads, bridges and transit systems will meet the needs of the nation.

Please let your House members know you support them moving forward quickly on legislation that provides multi-year certainty and increased funding levels for highway and transit programs.

For questions, please contact [ASCE Government Relations](#).

<http://www.infrastructurereportcard.org/asce-news/its-off-to-the-races-on-a-house-highway-transit-bill/>



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Younger Member Group

Nebraska Cornhuskers v. Northwestern Football Tailgate

Saturday, October 24, 2015 – 9:00 am to 4:00 pm

Grand Manse - Lincoln, Nebraska

The Nebraska Section YMG invites you to spend a day with fellow NEASCE Members tailgating and cheering on the Big Red on October 24! There will be food, drinks and tailgate games provided by ASCE and we will have a TV set up for those who want to stick around to watch the game. Come for some football, networking, and fun. As always, please invite colleagues, friends, family and other young engineers. Please RSVP by October 22 so that we can provide enough food and drinks for everyone.

Please reply to Brandon Gardels (Brandon.gardels@hdrinc.com) or Mark Egger (megger@olssonassociates.com) to RSVP or for additional Information



Don't forget to "LIKE" us on Facebook. Just search "ASCE Nebraska Younger Members."

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Tailgate Location – South Side of Grand Manse Building



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Upcoming Events and Seminars

Region	Program	Full Dates	City/ State
7	Wind Loads for Buildings and Other Structures	October 29-30, 2015	Denver, CO
7	CM-at-Risk: Contracting for Owners, Consulting Engineers, and Contractors –NEW	November 12-13, 2015	Denver, CO
7	Two-Dimensional Modeling using HEC-RAS –NEW	December 2-4, 2015	Denver, CO
7	Structural-Vibration Analysis: Design and Troubleshooting	December 2-4, 2015	St. Louis, MO
7	Structural Design for Bomb Blast Loads and Accidental Chemical Explosions (Buildings and Industrial Facilities)	December 9-11, 2015	St. Louis, MO
7	HEC-RAS Computer Workshop	January 27-29, 2016	Colorado Springs, CO
7	Design and Construction of Launched Bridges	February 4-5, 2016	Denver, CO
7	Techniques for Pavement Rehabilitation	February 24-26, 2016	Denver, CO
7	Construction Dewatering and Groundwater Control: Design and Application	March 10-11, 2016	Denver, CO
7	Pumping Systems Design for Civil Engineers	March 10-11, 2016	St. Louis, MO

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www.neasce.org

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The Nebraska Civil Engineer

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Thank you to the businesses that support this
newsletter through their contributions.

For underwriting information, contact Chris
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chris.podany@hdrinc.com

Deadline for articles to be published in the May newsletter will be
November 6th. Email articles to Greg Seib at
gseib@olssonassociates.com