**November Meeting**

**Date:** Thursday, November 17th, 2016

**Host:** Nebraska Section ASCE Management Group,  
Mr. Daren Konda  
(Management Group Committee Chair)

**Spouses and Guests Welcome**

**Location:** Lazlo's Omaha  
2425 S. 192nd Ave  
Omaha, NE

**Program:** "Managing Track and Rail Safety for Train Crews, Contractors and the Public"

**Presenters:** Lawrence K Wenko and John Simpson Sr. - Union Pacific Railroad

The presentation will focus on grade crossing safety and interaction with Road Authorities for crossing improvements. Union Pacific Corporation owns one of America's leading transportation companies. Its principal operating company, Union Pacific Railroad, links 23 states in the western two-thirds of the country. Union Pacific serves many of the fastest-growing U.S. population centers and provides Americans with a fuel-efficient, environmentally responsible and safe mode of freight transportation. Union Pacific's diversified business mix includes Agricultural Products, Automotive, Chemicals, Energy, Industrial Products and Intermodal. The railroad emphasizes excellent customer service and offers competitive routes from all major West Coast and Gulf Coast ports to eastern gateways. Union Pacific connects with Canada's rail systems and is the only railroad serving all six major gateways to Mexico, making it North America's premier rail franchise.

**Times:**  
6:00 pm Social Hour  
6:30 pm Dinner  
7:00 pm Meeting and Presentation

**Menu/Price:**  
Top Sirloin  
Rainbow Chicken  
Hickory Grilled Barramundi  
Grilled Salmon and Avocado Dinner Salad

Triple Chocolate Brownies or Cheesecake Bars

$15.00 with meal, $10.00 without meal  
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 REGISTER  
Sign up by 1:00 pm Tuesday, November 15, 2016.
From the President

Greetings Nebraska Section!

I want to start off by saying thanks to a few people who have helped kick off our new ASCE year. Jeremy Steenhoek and the structural technical committee did a great job organizing our September section meeting and the Annual Structural Conference which continues to be a success and a huge value to structural engineers in our area. Thanks also to Doug Kellner for organizing our October section meeting and the tour of the South Interceptor Force Main Project. Finally, thanks to Mark Egger and the Younger Member Group for hosting a well attended YMG Tailgate.

Next on our list of events is our November meeting on the 17th. Please go out to our website to register! The discussion on grade crossing safety will be a good reminder to be safe both at your jobs and on the road, especially as more are travelling over this holiday season.

Finally, here are a few things going on nationally at ASCE that were stressed at the recent 2016 Convention and Section & Branch Exchange I attended.

- ASCE has many resources for state and federal advocacy. If you are interested in legislative issues and how they affect the civil engineering profession, please reach out to Bill Arneson or Ed Prost, our Legislative Affairs Chairs, or go out to the ASCE website. An updated national report card will be released next March.

- If you have a good idea for an ASCE event or activity, remember that there is a whole list of ASCE best practices. If your activity is a success and is not on the list, consider writing one!

- ASCE’s Dream Big IMAX has a new trailer. Head over to the website to watch it.

- Please consider taking ASCE’s Grand Challenge and entering into the Innovation Contest.

- I encourage everyone to keep sustainability and resiliency in mind as you plan, design, and construct. As one of ASCE’s strategic initiatives, it becomes increasingly important as infrastructure is stressed by natural disasters.

I hope everyone has an enjoyable and safe holiday season and I look forward to seeing everyone at our November meeting.
September Meeting Summary

The Nebraska Structural Group hosted dinner and presentation from J.G. Soules, P.E., S.E., P. Eng., SECBE, F.SEI, F.ASCE. He spoke about the ASCE 37-14 changes and discussed design loads on structures during construction.

The list below can be considered official documentation of attendance at the October 13th, 2016 meeting and presentation worth one (1) PDH credit.

<table>
<thead>
<tr>
<th>Gopala Allam</th>
<th>Caleb Beasley</th>
<th>John Hill</th>
<th>Maegan Jurek</th>
<th>Douglas Kellner</th>
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<tr>
<td>Daren Konda</td>
<td>Teresa Konda</td>
<td>Maggie Lanigan</td>
<td>Colin Lyons</td>
<td>Mark Nelson</td>
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<td>Charlie Riggs</td>
<td>Patricia Rohan</td>
<td>Tyler Schmidt</td>
<td>Ryan Sisk</td>
<td>Mike Sklenar</td>
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<td>John Smith</td>
<td>Ed Thiele</td>
<td>Tyler Klusaw</td>
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Younger Member Group

Nebraska Cornhuskers v. Illinois Football Tailgate

Thanks to everyone who attended this years NEASCE YMG Tailgate. It turned out to be a great day to cheer the Huskers on to victory. There was plenty of good food, drinks, and fun games to go around. Be sure like us on Facebook, “ASCE Nebraska Younger Members” or check back in with future newsletters for other YMG events!
Last month I represented the Nebraska Section at the ASCE 2016 Convention in Portland, Oregon. As is the case with other ASCE conferences and events I have attended, the convention was packed full of technical presentations, updates on ASCE’s initiatives, showcases of award winners and honorees, and interesting conversations with civil engineers from all across the world. Here are a few of the highlights:

New ASCE Year

Elected last year, President Norma Jean Mattei was officially installed with Kristina Swallow as President-Elect. Also, Marsia Geldert-Murphey is our new Region 7 director with Jay Burress stepping down.

Awards & Honors

The 2016 Distinguished Members were honored and it was amazing to see the impact these engineers have had on the profession, their communities, and the entire world. There were also many winners of ASCE’s 85 different awards recognized. I think it’s worth taking the time to reviewing these award categories as Nebraska has an active and accomplished group of civil engineers, many of which should be nominated!

Resiliency

Partly because of the seismically active area that Portland is in, but also because of the emphasis ASCE has rightly put on sustainable infrastructure, resiliency was a big theme of this convention. Based on some of the presentations, it became clear that coordination among the civil engineering profession and state and local governments, agencies, and organizations is essential to plan and build sustainable infrastructure. This coordination has the added benefit of building connections between civil engineers and the local community. One example provided was the efforts of the Beaverton School District to develop design standards for new high schools that would best serve the community in the event of a natural disaster. For a good read, The New Yorker featured an article on this topic last year called “The Really Big One”.

ASCE Grand Challenge

Innovation was another theme of the convention. Frans Johansson, author of The Medici Effect and The Click Point, spoke about how team diversity drives innovation. There was also a panel discussion which included Jason Magalen, an ocean engineer with HDR who was a two time ASCE Grand Challenge Innovation Contest winner. Please go out to ascegrandchallenge.com to learn more. The goal is to optimize infrastructure investments with new ideas, doing our part to close the infrastructure investment gap which will be highlighted in the 2017 Infrastructure Report Card to be released next March.

With the above being just a snapshot of the convention, I came away excited about what our profession is doing to impact the world around us. Thank you to the Nebraska Section for allowing me to attend. I encourage everyone to go out to ASCE’s website to learn more.
September ASCE Meeting | Jeremy Steenhoek

The Nebraska Section’s Structural Technical Group hosted a joint dinner meeting in association with the Structural Engineers Association of Nebraska (SEAON) and the Annual Structural Conference at Granite City in Omaha on Thursday evening, September 15th. We socialized before and during the meal to catch up with those attending after the summer break. We enjoyed an excellent meal before the presentation. The main presentation for the evening was given by Greg Soules with the Chicago Bridge & Iron Company in Houston, Texas. Mr. Soules presented on the “ASCE 37-14 (Design Loads During Construction).” We had about 30 in attendance at the meeting.

Mr. Soules presented the changes to the 2014 edition of ASCE 37. He also provided a general overview of the standard. He explained some of the code writing process. He discussed how loads may differ based on how a construction site is managed and the duration of the construction project. Mr. Soules mentioned a number of other resources that may be used to design bracing for construction loading such as resources from PCI and NCMA. He discussed how construction within or in close proximity to occupied buildings or operational facilities can change construction loading. He gave some insight regarding OSHA's philosophies with regards to structural failures during construction.
The 36th Annual Structural Conference was held the following day, on Friday, September 16th. The full day conference was hosted at the Scott Conference Center in Omaha, NE. The conference was planned by the Annual Structural Conference Committee and sponsored by the Nebraska Section of the American Society of Civil Engineers (NEASCE), Structural Engineers Association of Nebraska (SEAON), the University of Nebraska, and the Peter Kiewit Institute. The conference was well attended again this year with 275 participants. Conference notes were provided as part of the $175 registration fee ($150 for NEASCE and SEAON members, $50 for full-time students).
SEI Updates | Jeremy Steenhoek

Please elect SEI as your ASCE Institute of choice to receive SEI Update e-newsletter with SEI news and opportunities, STRUCTURE Magazine, and Modern Steel Construction Magazine and more. The first institute selection is included with your ASCE membership and this can be selected when you renew your membership. Questions about membership? Contact ASCE Customer Service at member@asce.org, 1 800 548 2723, 703 295 6300.

Please let us know if you would like to be involved in institute technical committees. We can help you get in contact with ASCE’s technical committees.

Invest in the Future of Structural Engineering – Give to the SEI Futures Fund
Give now and double your gift with a match up to $20,000 from Ashraf Habibullah, President and CEO of Computers & Structures, Inc.

Reach SEI Members with SEI Sustaining Organization Membership

Join SEI at: Structures Congress April 6-8, 2017 in Denver

Young Professionals: SEI Young Professional Scholarship to attend Structures Congress.

Please look at the website for more details and opportunities. www.asce.org/SEI
## Upcoming Events and Seminars

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<th>Program</th>
<th>Full Dates</th>
<th>City/State</th>
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<tbody>
<tr>
<td>NA</td>
<td>Multi-Region Leadership Conference</td>
<td>February 3-4, 2017</td>
<td>Minneap-olis, MN</td>
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<tr>
<td>7</td>
<td>NE-ASCE Geotechnical Short Course “Levee Seepage and Stability Issues”</td>
<td>February 9, 2017</td>
<td>Omaha, NE</td>
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<td><a href="#">Register Here</a></td>
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<td>7</td>
<td>NE-ASCE GEO-Omaha 2017 Conference</td>
<td>February 10, 2017</td>
<td>Omaha, NE</td>
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<td><a href="#">Register Here</a></td>
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<tr>
<td>NA</td>
<td>CI Summit</td>
<td>March 2-5, 2017</td>
<td>Anaheim, CA</td>
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<tr>
<td>NA</td>
<td>SEI Structure Conference</td>
<td>April 5-8, 2017</td>
<td>Denver, CO</td>
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[Register Here](#)

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The Nebraska Section of ASCE is an active organization of over 600 members who are diverse in practice & geography. ASCE represents more than 140,000 civil engineers nationwide and is America’s oldest national engineering society.

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Lamp, Rynearson & Associates
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HDR Engineering, Inc.
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Ryan.hanson@hdrinc.com

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Marie Stamm, P.E., M.ASCE
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402-493-4800
marie.asce@gmail.com

Director
Andres Torres, PE, M.ASCE
Valmont Industries
402-359-6158
Torres.asce@gmail.com

The Nebraska Civil Engineer
c/o Tyler Schmidt
Infrastructure, LLC
6910 Pacific Street, Suite 310
Omaha, NE 68106

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

For underwriting information, contact Chris Podany, Fundraising Chair, at 402-202-0719 or chris.podany@hdrinc.com

Deadline for articles to be published in the November newsletter will be November 1. Email articles to Tyler Schmidt at tschmidt@is-ecg.com