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2014-2015

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The Southeast Branch News is published monthly by the Southeast Branch of the Wisconsin Section of ASCE. Change of street and/or e-mail address should be sent to ASCE, 1801 Alexander Bell Drive, Reston VA 20191 (800/548-ASCE). You may update your own information at the Members Only page of WWW.ASCE.ORG

The deadline for articles for the next newsletter is the first of the month.

PRESIDENT'S MESSAGE

Greetings,

I am excited to be writing this, the first President's Message of my term! Over the past several years, the wonderful group of volunteer leaders before me has developed our Southeast Branch into a true success story. The STEM Expo in October, facilitated and sponsored by YMG, is a perfect example of our members' involvement and dedication. I look forward to working with the board and you, the membership, to generate continual improvement of ASCE in southeast Wisconsin.

In September, I had the honor of attending the Presidents and Governors Forum held at ASCE National Headquarters in Reston, VA. This two day conference was an opportunity to share ideas with and learn from dozens of other ASCE volunteer leaders. In addition, we were shown the multitude of resources at ASCE National, available to *all* members of ASCE. Over the course of the next year, I will be emphasizing to our members the depth of those resources.

Another recurring theme you'll be hearing from me and the board is *membership value*. Our approach to this includes making sure our members are aware of and taking advantage of what ASCE membership offers both on the National and Local levels. Continuing education opportunities, including five free PDHs, are highlighted in this newsletter. These are your benefits – use them!

I hope everyone enjoys our beautiful fall weather and spending time with family and friends during the upcoming holidays.

Cheers,

Mike

November Lunch Meeting Details

Article By: Jared Wendt

The ASCE Southeast Branch will be holding a lunch meeting at the Milwaukee Metropolitan Sewage District on Wednesday, November 18. David Fowler will be presenting on the Menomonee River Fish Passage Projects. In 1965, the Menomonee River in Milwaukee was deepened and lined with concrete for nearly 1 mile between North 45th Street and I-94. The concrete channel project was a local flood management solution that resulted in a barrier to fish and wildlife passage while also creating a hazard to navigation and recreational use of the river. Beginning in 1999 and scheduled to be complete later this year, MMSD began a series of 3 projects to remove the concrete lining and restore the channel to be suitable for fish and wildlife passage while providing in-stream habitat to sustain the fish population. David Fowler will present on the 3 projects and the impacts that the projects have had on restoring this section of the River. More details including sign up information will follow in an email shortly.

October Lunch Meeting Summary

Article By: Jared Wendt

The Southeast Branch held its annual mentoring meeting on October 15 at the Jackalope Lounj. This meeting is meant to give members of our student chapters a chance to network with our branch members over dinner. The event was well attended with over 30 members and a handful of student chapter members. After dinner Dr. Mark Federle from Marquette University presented the group with a series of case studies that featured situations where ethics came into play which generated quite a bit of discussion among the tables and the groups. These cases ranged from giving and accepting gifts to conflicts of interest and covered many different variations. Thank you to Dr. Federle for presenting!

YMG Hunger Task Force Food Drive

Hunger Task Force Food Drive



Please donate non-perishable food items to be delivered by

ASCE SE Branch Younger Member Group

to Hunger Task Force Milwaukee.

Join us at Evolution Gastro Pong Milwaukee to drop off your
donation and celebrate your generosity November 19, 2015
from 6 to 8pm.

If you have any questions about the event please contact Bri Turley at bturley@hntb.com

STEM Expo Summary

Article By: Tony Castle and Bridget Henk

On October 10, 2015, the 3rd STEM Expo was held at the MSOE Kern Center. The purpose of this free event was to expose students and their parents to the world of Science, Technology, Engineering, and Mathematics through hands-on exploration stations and demonstrations. A fantastic team of volunteers coupled with an elite group of sponsors led to the nearly 700 people that were involved in the event. The pictures and time lapse video will be posted to the website at www.ascewise.org/stem-expo.

Bridget and I would like to sincerely thank our planning committee for a job well done. We started meeting in February to get the 2015 event underway. The committee consisted of an on-site group as well as several working behind the scenes. The on-site crew did a lot of work developing the activities, portioning them out and organizing the many boxes of supplies.

Our committee consisted of:

- Bridget Henk – GRAEF (Co-chair)
- Tony Castle – EMCS (Co-chair)
- Kyle Bareither – Natural Resource Technology
- Nick Bobinski – Kapur and Associates
- Ben DeBaker – Ayres Associates
- Mike Delemont – AECOM
- Patrick Flaherty – Riley Construction Company
- Dave Jaromin – HNTB
- Ken Mika – Natural Resource Technology
- Josh Mitchell – Patrick Engineering
- Rebecca Parker- CH2M
- Sarah Pasquesi – AECOM
- Sam Roti - Walsh
- Sarah Sanfilippo – CH2M
- Aaron Schramm - exp US Services
- Brad Seubert – Harwood Engineering Consultants
- Christine Sowinski – HNTB
- Heather Stabo – Spann and Associates
- Bri Turley – HNTB
- Jared Wendt – CH2M



We couldn't have had such great success without this team. Next time you see them, if you could join me in expressing sincere thanks it would be greatly appreciated. To me the biggest sign of success is being asked to do the event again. We are penciled in to have our 2016 STEM Expo next October. Planning for the event will likely begin in February!



Future City Mentoring – Call for Volunteers

Article By: Bri Turley



Future City Competition is in need of STEM mentors. Please consider donating your time to help middle school student in the area develop a city of tomorrow. Future City is a program where small groups of students work with a teacher and a mentor to develop a city of tomorrow and present the city at the 2016 Wisconsin Regional Future City competition. We've got the teams and the teachers - now we need the mentors!

Being an engineer mentor is not a huge time commitment, but the impact you will have on the students is immense. As a mentor you will have the ability to advise and encourage your small group and assist them in bringing their ideas to life. Mentor time commitments can range from once a week to a couple times a month. Support for engineer mentors is crucial to success in the Future City competition. Please consider contributing your time to this great program.

For more information, including schools in need of a mentor, please contact Bri Turley at bturley@hntb.com or 920-728-2033.

Help Boy Scouts Earn Their Engineering Merit Badge

Article By: Jared Wendt



NovaCon STEM Fair is looking for volunteers to help boy scouts earn their engineering merit badge. The event will be held on Saturday, December 5 at Waukesha County Technical College.

Anyone interested in helping should contact Rich Coakley at richard.coakley@ch2m.com or by phone at 414-847-0423.

Wisconsin Young Engineer of the Year Award goes to Kyle Bareither

Article By: Tony Castle

One of our very own was the winner of this years' Wisconsin Young Engineer of the Year Award, which is awarded by the Wisconsin Section at the annual meeting. The recipient was our YMG President Mr. Kyle Bareither, PE. Kyle has been an instrumental part of the YMG for the past few years.

Kyle is very deserving of this prestigious award, so please take the time to congratulate him next time you see him. Congratulations Kyle!



Don't let your 5 free PDHs for 2015 go unclaimed!

Article By: Larry Buechel

Don't forget your annual ASCE membership includes five free professional development hours (PDH). Those PDHs can be redeemed using the On Demand Webinar offering available on the ASCE website. The On Demand Webinar series can be accessed using the weblink below:

<https://secure.asce.org/ASCEWebsite/Benefits/Membership/FreeOnDemandWebinars.aspx>



Choose from more than 60 archived webinars. The offer is good during the calendar year, so why not take an hour or two during the holidays to take advantage of this great offer? Please note the 2015 PDHs must be utilized no later than December 31st.

Below is a small sample of available webinars:

Environmental

- Navigation Engineering - Understanding the Basics
- Sustainability in Biosolids Treatment - San Antonio's Commercial Biosolid Solution

Geotechnical

- Design of Erosion Control Measures for Small Channels
- Earthwork 101
- Sustainable Geotechnical Applications: Construction Using Recycled Materials – Part I of VI
- Unsaturated Soil Mechanics in the Laboratory: Measuring Suction and the Soil-Water Characteristics

Hydraulics and Water Resources

- Advanced Culvert Hydraulics with HEC-RAS
- Creating Design Storms for Rainfall-Runoff Models
- Culvert Design for Fish Passage - Concepts and Fundamentals
- Storm Water Management Alternatives for Small Commercial Sites

Management and Practice

- Critical Path Method
- From Project Engineer to Project Manager – Look Before You Leap
- Marketing 101 - Sleazy Activity or Mutually Beneficial
- What's Your Business? the Art of an Elevator Pitch

Structural

- ASCE 7-10 Snow Load Provisions
- Introduction to ASCE 7-10 Windloads - Part I of III
- Structural Thermal Bridging in the Building Envelope
- Wind Design for Non-Residential Wood Structures

Transportation

- A Closer Look at Road Diets
- Bus Rapid Transit - A Viable Alternative - Part I of III
- Engineering Treatments and Design Development Strategies for Creating Safe Routes to Schools
- High Capacity Transit Alternatives

In-Person Seminar Opportunities

Article By: ASCE Geographic Services

Geographic Services is proud to announce the Continuing Education schedule of seminars and workshops for fall/winter scheduled in your geographic area. These seminars and workshops have been produced by ASCE's Continuing Education Department.

- Streambank Stabilization for Restoration and Flood Control Projects
 - November 4–6, 2015 Chicago, IL
- Financial Management for the Professional Engineer
 - November 19–20, 2015 Cincinnati, OH
- Earthquake-Induced Ground Motions
 - December 3–4, 2015 Chicago, IL
- Project Management
 - February 25–26, 2016 Chicago, IL
- Civil Engineering: Best Practices for Well Site Environmental Protection —NEW
 - March 10–11, 2016 Cincinnati, OH
- Seismic Design of Highway Bridges
 - March 21–22, 2016 Chicago, IL

Welcome New Members!

Article By: Nick Bobinski

The ASCE Wisconsin Southeast Branch would like to welcome new members Chris Sberna, Brian Skupien, Mike Osep, Mitchell Behnke, Douglas Howard, Bryan Larson, Jordan McClain, Justin Bittenbender, Devin Oehldrich, Matthew Foote, Lea Bolognini, Alan Labisch, and Megan Long. You'll find all of the latest updates and upcoming events in this newsletter. We look forward to meeting you!

If you are looking for more ways to get involved, please feel free to email me at nbobinski@kapur-assoc.com

Check out our website, too! www.ascewise.org

2016 ASCE Membership - Renew Now!

Article By: Brian Genduso

If you haven't done so already, please renew your ASCE membership for 2016. Renew today and be entered in a drawing to win a \$1000 Amazon gift card on December 14, 2015.



ASCE gives you three easy ways to renew early:

1. **Online** at www.asce.org/renewal.
2. **Mail** in your 2015 renewal form to Membership Department, P.O. Box 79084, Baltimore, MD 21279.
3. **Call** ASCE's Customer Service at (800) 548-ASCE (2723) or (703) 295-6300 between 9:00 a.m. – 6:00 p.m., E.T., Monday-Friday.

Bridges 2016 Calendar Available



Bridges 2016 offers spectacular images of bridges from the United States and around the world. This calendar is a celebration of the unique blend of technology and art that is the hallmark of great engineering.

Once again, this year's calendar celebrates great photography! Every photo in the calendar was selected from entries to ASCE's Bridges Photo Contest. Each bridge photo appears with a description of its technical or historical significance, and the winners of the photo contest are identified. The photos selected for the 2016 calendar celebrate the form, function, and style central to excellence in civil engineering.

Bridges 2016 is a full-sized wall calendar, perfect for jotting down daily activities or appointments.

Prices: \$12.95 (plus S&H) single calendar
 \$10.00 (plus S&H) 2 or more copies

For more information, and to order a calendar, visit the official website at <http://www.asce.org/templates/publications-book-detail.aspx?id=18052>

January



Irondequoit Bay Outlet Bridge

February



Dongshuimen Bridge

March



South Grand Island Bridge(s)

April



Salmon Bay Bridge

May



Hanging Bridge

June



Pont Jacques Chaban-Delmas

July



I-20 and Old Highway 80 Bridges

August



Barito Bridge

September



The Brooklyn Bridge

October



Dividing Weir Bridge

November



Railroad Bridge

December



Pinellas Bayway Bridge

Newsletter Publication

We welcome your articles, letters & news items for publication in the ASCE SE Branch Newsletter.

Advertisements and job postings are also accepted by contacting:

Brian Genduso, P.E. – 414.278.9200 – bjg@spireengineer.com

Deadline for next issue is the first of the month.

Job Postings

This is a paid advertisement, and is not affiliated with ASCE.

Village Engineer – Village of Little Chute

Date Posted: August 1, 2015

Deadline: Open until position is filled

Village Engineer

The Village of Little Chute has an opening for a Village Engineer (Salary Dependent on Qualifications). The Village of Little Chute is nestled in the heart of the Fox River Valley on the eastern border of the City of Appleton and the Fox River, with a population of approximately 11,000 residents.

The Village Engineer will report directly to the Director of Public Works and will design and draft public works projects; oversee improvements, extensions, and repairs to the water, sewer, storm sewer, and street; write contracts; prepare bids for projects; prepare cost estimates; and oversee surveying activities.

For a complete job description, qualifications, and how to apply visit www.littlechutewi.org and view the News section on the bottom of the home page.

Deadline for application submission is: Open until position is filled. The first review of applications will begin on August 31, 2015. The Village of Little Chute is an Equal Opportunity Employer.

This is a paid advertisement, and is not affiliated with ASCE.



Job Posting:

PROJECT ENGINEER

The City of Franklin is accepting applications to fill a new position of Project Engineer in our Engineering Department.

Duties: Under the direction of the City Engineer, the Project Engineer plans, develops, coordinates, and directs large scale Public Works projects. A full description can be viewed on the City website at www.franklinwi.gov.

Requirements: A Bachelor's degree in Civil Engineering; five years related experience and/or training; or equivalent combination of education and experience. Registered Professional Engineer license is required. Design experience with street, storm, site design, sewer, and water systems preferred.

Salary: Approximately \$65,000 - \$70,000, depending on qualifications.

Benefits: Includes Medical, Dental and Life Insurance; a Defined Contribution Pension Plan; Paid Holidays, Vacation, Personal and Sick Days

Individuals may apply by submitting an on-line application at www.franklinwi.gov.

(Click on JOBS & EMPLOYMENT APPLICATION under the Quick Links and then EMPLOYMENT APPLICATION again on the 2nd screen.)

Applications will be accepted until the position is filled. Please note that applications will be reviewed as they are received, so submit early for the best opportunity to be considered.

This is a paid advertisement, and is not affiliated with ASCE.

Structural Engineer/Project Manager

GRAEF has been providing quality engineering services to our clients since 1961. We recognize that the best professional approach to service is to hire technically competent, innovative, creative, and highly motivated individuals; this attitude asserts that our staff is key to our success.

Our dynamic growth and continued success has created an opportunity for a Structural Engineer/Project Manager in our **Milwaukee** office. In order to be considered for this position, the ideal candidate will possess a Masters degree in Structural Engineering, have a minimum of 5 years professional experience in structural design of buildings, experience managing projects, along with a professional registration as a PE or SE. The successful candidate will be able to work directly with clients, lead project design teams, and work to mentor and advance the ability of less experienced staff. Working knowledge of REVIT would be considered a plus. Good communication skills and the ability to work independently are crucial. This position offers numerous challenges and an opportunity to become part of a well-established technical group.

GRAEF offers a complete benefit package including 401(k), profit sharing, and an ESOP, tuition reimbursement and performance bonuses, as well as a team atmosphere dedicated to open communication and excellence. To apply, please send us your resume indicating salary expectations.

GRAEF

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EOE