

ASCE

WISCONSIN SECTION



President's Message

by: Jared Wendt



Welcome to the Spring issue of The ASCE Wisconsin Section newsletter. As spring finally appears to have arrived and summer is right around the corner, activity around the Section is growing!

Much of the activity at the Section level is focused around the report card efforts. The latest national report card released by ASCE in 2017 included numbers from Wisconsin showing drinking water needs at an estimated \$1 billion, wastewater needs totaling \$6.33 billion, and \$836 million in an estimated capital expenditure gap for the state's schools. The national report card also estimated that approximately 28% of the state's roads are in poor condition and 8.7% of the bridges are rated as structurally deficient, costing each Wisconsin driver \$736 per year from having to drive on roads in need of repair. These numbers are an indication of the need for additional funding for our road systems, drinking water and wastewater facilities, schools, and other infrastructure facilities. As the budget process plays out for the state of Wisconsin over the next several months, our legislators will be discussing funding levels that could either start to fix some of these issues or push these numbers higher. As professionals in the industry, we are

some of the greatest advocates for the need for additional infrastructure funding. This can be in the form of conversations with family and friends or with your state representatives.

[Read Full Article](#)



Individual Merit & Engineering Achievement Awards

The ASCE Wisconsin Section is accepting award nominations for the following:

Distinguished Service Award **Wisconsin Young Civil Engineer of the Year Award** **Engineering Achievement Awards**

- Category A: Construction Cost Under \$2M
- Category B: Construction Cost Over \$2M and Under \$10M
- Category C: Construction Cost Over \$10M and Under \$20M
- Category D: Construction Cost Over \$20M

Individual Merit Awards

- Engineer in Education
- Engineer in Consulting Practice
- Engineer in Government Service
- Engineer in Private Industry
- Excellence in Journalism Award

Nominations are due June 1 to the Wisconsin Section Secretary **Jennifer Schaff**
Nominations are to be submitted as PDFs.



2020 ASCE Wisconsin Section Report Card Has Kicked Off!

by: Ken Mika

The ASCE Wisconsin Section has officially kicked off the Infrastructure Report Card for Wisconsin. On Monday, April 8th, Anna Denecke and Brian Pallasch from the Society came to Wisconsin to train our volunteers in preparing the Report Card. Over 30 volunteers attended at McMahon Engineers and Architects in Neenah,

OBG (a Ramboll Company) in Milwaukee, and various other satellite locations. Our volunteers will be working hard to prepare a Report Card for a Spring 2020 release.

Report cards for Wisconsin were previously published in 2003 and 2007. The board is announcing this project with hope that more members will be motivated to volunteer their expertise and time to work on the project.

The 2019 ASCE Wisconsin Section Spring Technical Conference in Review

by: Evan Berglund, Conference Planning Committee Chair

Although record amounts of snow were still evident, the 2019 ASCE Wisconsin Section Spring Technical Conference took place at the Davies Center at the University of Wisconsin-Eau Claire on March 14th, 2019. The keynote speaker, Karrie Landsverk, delivered a presentation, “Open Your Silos and Feed Your Organization,” which focused on increasing collaboration and connections across organizations. As with other ASCE technical conferences for our Section, three Technical Sessions were offered, in addition to an Ethics presentation, as well as an Awards Presentation.

The technical sessions included topics pertaining to Geotechnical, Structures, Leadership and Management, Transportation, Construction, and Environmental and Water Resources. Several presentations focused on local projects including the Eau Claire Half Moon Lake Bridge and Causeway, the downtown Eau Claire Confluence Development, and the River Prairie Development in Altoona; as well as projects elsewhere such as the Sentry Insurance Corporate Headquarters located in Stevens Point, and a Wharf Wall Failure and Repair project located in Milwaukee.

Given the date was March 14th, “Pi Day” was heartily celebrated with ice cream and “pie” for the afternoon break between the awards and the final technical session. A special thank you goes out to the ASCE Northwest Region Planning Committee, and the Davies Center staff, for their work and effort to make the conference a success!

Congratulations again to the 2019 ASCE Wisconsin Section New Life Members, and also to Outstanding Senior Civil Engineering Award-recipients, Sam Hovde, from University of Wisconsin – Platteville, and Blake Neuman, from Marquette University.



The 2019 ASCE Wisconsin Section
Spring Technical Conference Planning
Committee



2019 ASCE Wisconsin Section Life
Members at the Spring Technical
Conference, with Wisconsin Section
President Jared Wendt

2019 Outstanding Senior Civil Engineering Awards

Sam Hovde, University of Wisconsin - Platteville
Blake Neuman, Marquette University

CONGRATULATIONS



UW – Platteville ASCE Student Chapter Receives Certificate of Commendation

The University of Wisconsin-Platteville ASCE Student Chapter has been selected by the Committee on Student Members to receive a Certificate of Commendation for its outstanding activities in 2018. This is a distinction earned by only the top 5% of all Student Organizations.

The University of Wisconsin-Platteville ASCE Student Chapter has also been awarded a 2019 Letter of Recognition for Community Service for its exemplary community service benefiting others outside of the Student Chapter.

Wisconsin Delegation To The ASCE Fly-In 2019

Opinion by: Gregory Schroeder, P.E., Public
Affairs Chair

Pictured Right: Bob Bryson, Carl Sutter,
Greg Schroeder, and Tony Castle



The ASCE federal government fly-in was held on March 13, 2019. The fly-in is an annual event where ASCE representatives from all around the country converge in Washington, D.C. for meetings with their Congressmen and women. The Washington staff of ASCE coordinates all arrangement, and the schedules for the member meetings ‘on the hill.’ The 2019 Wisconsin delegates to the legislative fly-in included Carl Sutter (Region 3 Director), Bob Bryson (ASCE National Transportation Policy Committee), Tony Castle (Southeast Branch Director-at-Large), and Greg Schroeder (Advocacy Captain).

The Washington staff is to be commended on an excellent and fast paced program both prior to and after arrival in D.C. Bradley Fitch of the Congressional Management Foundation provided training in all aspects of effective advocacy. Neil Pedersen, executive director of the Transportation Research Board, reviewed the report “Renewing the National Commitment to the Interstate Highway System.” Representatives Earl Blumenauer (D-OR) and Rodney Davis (R-IL) spoke to the entire ASCE group on the potential for moving infrastructure legislation forward.

All four Wisconsin delegates met with both Wisconsin senate offices. Neither senator was available, but both provided aides. The legislative assistants are powerful members of the congressional offices and it is commonplace for lobbying efforts to be directed through them.

[Read Full Article](#)



Bob, Tony and Carl with Carol Fowler, Senator Ron Johnson's legislative assistant



Our team with Meghan Ladwig, Senator Tammy Baldwin's legislative assistant

The opinions expressed here are those of the author only, and do not necessarily represent the views of the Wisconsin Section or ASCE

Get To Know Spotlight: Marty Hanson

Despite living in Wisconsin since 1982, I still claim to be a Minnesotan having grown up in Burnsville MN. My father was my high school math teacher, football coach, and golf coach. My dad's teacher position allowed us to summer on Whitefish Lake, north of Brainer MN. My attachment to lakes and boating actually started early than that with my Grandpa on Grace Lake near Bemidji MN. Summers were spent working on the golf course, water skiing and a bit of carousing.



Not straying too far from home, I attended the University of Minnesota where I earned a Bachelor Civil Engineering degree. I worked driving Zamboni during school—lots of late nights! First job was HUD flood insurance studies and inspecting taconite tailing dams for a consultant. Then, having never been west of Grand Forks ND, where I was born, we packed up and moved to Sandpoint Idaho to join the USFS designing transportation networks for timber harvesting and recreation. Moved back to the Midwest, missed the lake country, and worked as a consultant on numerous WisDOT and county road projects.

Recently retired, I spend as much time as I can in Hayward, however, the winters have changed from being exciting when I did the American Birkebeiner ski race to now being quite burdensome. Just launched the boat so I'm ready for a new boating season! Between boat rides and fishing, I serve on several local community boards and professional engineering boards. I also teach at UWEC School of Business where I earned my MBA.

Membership At A Glance



Total WI section members: 1,809

Affiliate: 53

Assoc: 295

Distinguished: 4

Fellow: 57

Member: 1,057

Student: 343

New Members (since Feb): 48

**SAVE THE DATE:
THE 2019 ASCE
WISCONSIN SECTION FALL
ANNUAL MEETING**

FRIDAY, OCTOBER 4, 2019

Crowne Plaza Madison
4402 E Washington Ave.
Madison, WI 53704

Around the Section

Annual Southeast Branch Student Scholarship Golf Outing

The ASCE Wisconsin Section - Southeast Branch is again holding its annual Scholarship Golf Tournament. This year, the tournament will be held on Friday, June 7th, 2019. The outing will again be at the Ironwood Golf Course in Sussex. Put your groups together now and sign up early. There are also many sponsorships available if you would like to get your company's name out there.

Register Now: [Click Here to Register for the Event](#)

Sponsor the Outing: [Click Here to Become a Sponsor](#)

Southeast Branch Awards Scholarships to Four Local Students

On February 26th this year, the Southeast Branch awards \$3,000 scholarships to 4 civil engineering students enrolled at one of the universities in our Branch offering civil engineering programs. The Southeast Branch would like to congratulate our four scholarship winners for this year.

Winners:

Ellie Shorter is a fourth year Marquette University Student and the president of the ASCE student chapter. Once a month they volunteer with Marquette's Habit for Humanity Club and she is an active member of the Alpha Chi Omega Sorority. Ellie has

become fascinated with bridges and hopes to get her Masters of structural engineering degree.

Blake Neuman is a Marquette University student. Blake was president of the ASCE student chapter for two years and currently acts as an advisor to the student chapter. Blake has been a concrete canoe project manager. His long-term goal is to become an upper level manager at a design or construction firm.

Katherine Augustine is a Milwaukee School of Engineering student. She is active in the ASCE and SWE student chapters on campus. She volunteers with numerous organizations including Phil's Friends, Feed My Starving Children and Habitat for Humanity. Katherine's long-term career goal is to design and build efficient structures and building processes that increase efficiency in the workplace.

Luke Royal is a UW-Milwaukee student and the president of the ASCE student chapter. Luke focused his attention on collaboration with other student groups on campus and has grown the UWM concrete canoe team from 4 people to 15 people. Luke hopes to become a project manager or own his own business in the future.

Congratulations to these four students on being awarded these scholarships for 2019!

Silver Spring Neighborhood Center Visit

On Tuesday February 26, two UWM students, Yugg Kolhe and Cui Fu, joined The Southeast Branch YMG volunteers on their bi-monthly STEM visit at the Silver Spring Neighborhood Center (SSNC) in Milwaukee. On a snowy day, the group taught the children about energy transfer by making homemade ice cream. Much noisy fun was had shaking bags of ice and cream until enough heat energy occurred to turn the liquid cream into ice cream.

The SSNC is a community center serving the north side of Milwaukee with a mission to "build a safer, stronger neighborhood and community" on the northwest side of the city. The center has programming and services for all age groups. The ASCE Southeast Branch YMG visits the center every other month and is always looking for volunteers.

ASCE WISCONSIN SECTION WAS RECENTLY
RANKED #19 FOR MILWAUKEE BUSINESS
JOURNAL'S LIST OF LARGEST STATE
BUSINESS & PROFESSIONAL ASSOCIATIONS!

#19

We are grateful to the many members of the ASCE Wisconsin
Section who contribute to our size - but more importantly for
the individual value that they add to ASCE.

Thank you for your many contributions!



The Tiffany Jewel – 150 Years of Railroad Service

By: James F. Heidt, PE

This year marks the 150th anniversary of the completion of a little-known engineering located in the state of Wisconsin – the Tiffany Jewel Bridge in Tiffany, Wisconsin. Celebrated by locals as the only five-arch masonry railroad bridge in the state, the 386-foot bridge spans 43 feet above Turtle Creek, in Rock Count. Planning is underway for a celebration of the bridge for the weekends of September 8th and 15th, 2019, to be held at the Turtle Creek Parkway site on Smith Road, Rock County, Wisconsin. The local committee is looking for support from the state engineering community to recognize the bridge as a historic engineering structure.

Known by the railroad as bridge no. 128, the Tiffany Jewel was completed in 1869 at a cost of \$12,820 as part of the Chicago & Northwestern's new rail line from Chicago to the Twin Cities - Minneapolis and St. Paul, Minnesota. The bridge was designed by CN&W's Chief Engineer Van Mienen, and said to be patterned after a Roman stone arch bridge in Compiegne, France which Van Mienen appreciated during his travels in France.

[Read Full Article](#)



The Tiffany Railroad Bridge prior to 1930
Reinforcement of the Arches
Looking Up Stream to the North East from Mid-
Stream of Turtle Creek



Modern Day Bridge Photo Showing Shotcrete
Arch Reinforcement from 1930

Man in Boat at Mid-Stream Arch, Photo Prior to
1930, Also Shows Trash/Ice Rack

References:

1. Stone Bridge in Rock County, by Robert Null, Wisconsin Tales and Trails, Autumn 1970, page 4.
2. 1902 and 1930 Construction Drawings, Chicago & Northwestern RR correspondence with J. Heidt, 1973
3. Unpublished paper by Charles Heidt, 1975
4. Unpublished article by Den Adler, Janesville, WI



Consider mentoring in this new year! ASCE Mentor Match connects ASCE members based on topics of interest and experience level.

<https://collaborate.asce.org/mentoring/home>

ASCE Mentor Match facilitates mentoring relationships based on topics of interest and experience level.



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Join the Discussion on Collaborate!

There is a **new website** for ASCE members to discuss important issues surrounding the profession. Participate in various "communities," such as the Wisconsin Section and your local branch.

You can access Collaborate by logging in with your current ASCE credentials. Check it out and start collaborating!

ASCE Wisconsin Section | www.ASCEWI.org



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