

Outstanding Wisconsin Undergrads Receive APWA Scholarships

By Cory Horton, Chair, Education & Scholarship Committee

In late 2021, the Education & Scholarship Committee recommended approving 11 scholarships. The Executive Committee approved doubling the scholarship amounts (\$2,000 for four-year degrees and \$1,000 for two-year degrees) and approved all the scholarships.

The scholarship recipients are:

Claire Connelly is a senior at Marquette University with a 3.907 GPA and is majoring in Civil Engineering. She is sponsored by **Pat Hawley** from raSmith.

Veronica Duffek is a junior at Marquette University with a 3.935 GPA and is majoring in Civil Engineering. She is sponsored **Karen Braun** from Waukesha County.

Jacob Hafner is a senior at University of Wisconsin-Whitewater with a 3.092 GPA and is majoring in Environmental Science. He is sponsored by **Thomas Hafner** from the City of Delafield.

Aleah Hummel is a junior at Michigan Technological University with a 3.910 GPA and is majoring in Civil Engineering. She is sponsored by **Eric Rakers** from the City of DePere.

Isabelle Jardas is a junior at University of Wisconsin-Milwaukee with a 3.951 GPA and is majoring in Architectural Studies. She is sponsored by **Glen Morrow** from the City of Franklin.

Trenton Jenson is a junior at University of Wisconsin-Stout with a 3.037 GPA and is majoring in Construction. He is sponsored by **Kamron Nash** from the Village of Summit.

Javier Retana Jr. is a junior at University of Wisconsin- Milwaukee with a 3.124 GPA and is majoring in Civil Engineering. He is sponsored by **Clement Abongwa** from the County of Kenosha.

James Schaser is a senior at University of Wisconsin-Milwaukee with a 3.490 GPA and is majoring in Civil Engineering. He is sponsored by **Ryan Schmidt** from the City of Cudahy.

Jordan Straub is a junior at University of Wisconsin- Milwaukee with a 3.128 GPA and is majoring in Civil Engineering. He is sponsored by **Scott Turner** from the Town of Rib Mountain.

Parker Wallace is a junior at University of Wisconsin- Milwaukee with a 3.842 GPA and is majoring in Mechanical Engineering. He is sponsored by **Holly Powell** from MG&E.

Justin Yanke is a senior at University of Wisconsin-Madison with a 3.338 GPA and is majoring in Civil & Environmental Engineering. He is sponsored by **Gregg Borucki** from MSA. 🐾

Thank you to the scholarship winners and the sponsors for supporting the next generation of Public Works leaders. 🐾

President's Comments



By Scott Brandmeier

Riddle me this:
Why don't you
see elephants
hiding in trees?
Because they're
really good at it.

Right now, your response to the joke may run the gamut—some of you will likely groan, others will see the unique humor in the absurdity of an elephant hiding in a tree, and yet others will look at the problem so seriously and say “that doesn't make sense, they have no opposable thumbs so how can they climb up in the tree” (an actual response when I told the joke). The point, though, is this: Life is short and sometimes we take it so seriously that we forget to enjoy the little things in life (like a really bad joke), we think we don't have time to give outside of work, or we are just too busy to do anything but work. Let this be the year that changes and let your Chapter help you make that change.

Your Wisconsin Chapter has a lot of neat things planned for its members this year—not only

🐾 Page 15 (President's Comments)

Editor's Note

By Nancy Cavanaugh

Online Contact Transitioning to In-Person Events

As I was reviewing articles for this edition, I noticed the transition is accelerating in favor of live events in conferences and classes over previous “virtual” venues.

Spring Conference Back to “Normal”


In describing plans for the Spring Conference, **Eric Dundee** notes that activities like the Vendor Show, Get Acquainted Party, and Golf Outing are all part of the tradition of the Chapter’s goal of creating community spirit and networking, which is best nurtured in person (page 5).

News Picks Up for Awards, Special Events

I remember when news was always sparse during the winter. No more!

John Edlebeck delivered a top-notch story about Whitefish Bay capturing a national roadway safety award (page 3). And fisherman **Nathan Wachtendonk** is planning an ice fishing trip in early March (page 12), while **Kamron Nash** is organizing a skiing/snowboarding event for the Young Professionals in late February (page 9).

And the North American Snow Conference is returning to its “live” format (page 14). After its total absence last year, the return of this popular event is a welcome relief.

Still looking for inspiration? Then read **Jim Hessling’s** poem about “Winter in Wisconsin” (page 14). Anyone who lives in our state of frozen tundra can relate. And that’s the “virtual” truth. 

June 2021-June 2022 Officers

- President.....(414) 247-6624
Scott Brandmeier
- President Elect.....(608) 709-1867
Eric Dundee
- Vice President
Vacant
- Secretary.....(262) 653-4050
Shelly Billingsley
- Treasurer.....(608) 838-2387
Lee Igl
- Director (2023).....(608) 402-5862
Rick Eilertson
- Director (2024).....(920) 680-6164
Nathan Wachtendonk
- Past President.....(920) 830-6171
Bob Givens
- House of Delegates.....(608) 838-2383
Jim Hessling
- Alternate Delegate.....(920) 830-6171
Bob Givens

Standing Committees

- Awards
Vacant
- Conf. Program Coordinator.....(608) 709-1867
Eric Dundee
- Communications/Website.....(920) 843-5734
Jeff Mazanec
- Diversity
Genevieve Stollenwerk.....(262) 317-3211
- Education & Scholarship.....(608) 421-5310
Cory Horton
- Membership Services.....(608) 838-7287
Aimee Irwin
- Newsletter.....(414) 771-8906
Nancy Cavanaugh
- Past Presidents.....(414) 962-6690
John Edlebeck
- Public Relations.....(262) 735-4856
Lynda Fink
- Young Professional Liaison.....(262) 567-2757
Kamron Nash
- Center for Sustainability.....(608) 402-5862
Rick Eilertson
- Vendors.....(608) 518-1254
Theo Tayler

Technical Committees

- Emergency Management.....(608) 266-4090
Rob Phillips
- Engineering & Technology.....(414) 425-7510
Glen Morrow
- Facilities & Grounds
Vacant
- Fleet Services.....(414) 659-0521
Tom Zembruski
- Leadership & Management.....(262) 317-3278
Chris Tippery
- Transportation.....(262) 317-3204
Pat Hawley
- Water Resources.....(608) 266-4913
Caroline Burger

APWA Director, Region V
 Sean O’Dell, email: SOdell@baxterwoodman.com
 WISCONSIN CHAPTER NEWS is published quarterly (Jan., Apr., July, Oct.) by the Wisconsin Chapter, American Public Works Association. Subscription by Membership. Direct all inquiries to Aimee Irwin, email aimee.irwin@mcfarland.wi.us. Deadline for articles: March 18, June 10, September 16, December 9. Contact Nancy Cavanaugh, Editor, Cavanaugh Interactive, 6300 River Parkway, Ste. 402, Wauwatosa, WI 53213. Phone (414) 771-8906, e-mail nancy@cavanaughinteractive.biz.
 Copyright 2022 Wisconsin Chapter APWA. All rights reserved.

ON THE COVER:

Banner images: Left: The David L. Lawrence Convention Center, site of the 2022 North American Snow Conference in Pittsburgh (page 14). Center: Devil’s Head Resort in Merrimac, site of the YP’s skiing event (page 9). Right: The Spring Conference will be held at the Fox Cities Exhibition Center in Appleton (page 5).



A toll-free service for notification of your intention to perform excavation or demolition work. Call three work days before you dig!

Toll Free 1-800-242-8511
 In Wisconsin 811
 Online Requests . diggershotline.com

In This Issue

Special Features:	
Scholarship Winners.....	1
Whitefish Bay Wins Roadway	3
Safety Award	
Why Should I Become an.....	4
Emerging Leader?	
2022 Spring Conference	5
WisDOT Winter Report Reveals	7
30-Year Low in Salt Use	
Sidney Cleenstreet	10
PWSA/PWMI.....	11
Ice Fishing – Door County.....	12
Salmon Fishing – Pt. Washington ..	12
National Trending Technologies....	13
North American Snow Conference.	14
Committee Reports:	
Young Professionals.....	9
Skiing/Snowboarding	
Member Services Report.....	9
Awards	10
Nominations	
Calendar.....	Back Page

Whitefish Bay News

Village of Whitefish Bay Program is One of Only Seven Winners of 2021 National Roadway Safety Award

Community-Wide Improvements Contribute to 39 Percent Reduction in Crashes

WASHINGTON, D.C., Oct. 6, 2021 – The Village of Whitefish Bay, Wis. was honored with a 2021 National Roadway Safety Award for the success of its recent Community-Wide Safety Improvements Program, which is resulting in a significant reduction of crashes involving pedestrians and cyclists. The Village contracted with traffic consultant Traffic Analysis & Design, Inc. (TADI) to identify safety solutions and coordinated with the Wisconsin Department of Transportation in implementing these improvements.

U.S. Transportation Secretary Pete Buttigieg, speaking about Whitefish Bay and the other award winners, said:

“Congratulations to [the] seven honorees for the remarkable work they’ve done to protect the traveling public. They are proof that we have no shortage of willpower or good ideas for improving roadway safety.”

The National Roadway Safety Awards are a biennial awards program sponsored jointly by the Federal Highway Administration and the Roadway Safety Foundation. First presented in 1999, the awards recognize roadway safety achievements that move the nation toward zero deaths and serious injuries on U.S. roadways.

Confronting a decade-long increase in crashes involving the most vulnerable road users, Whitefish Bay deployed a series of low-cost solutions to reduce risks to pedestrians and cyclists. These included dynamic speed feedback signs, “yield to pedestrian” signage, design changes such as high-visibility crosswalks, installation of medians in the center of roadways, lengthier pedestrian intervals at the newly installed higher visibility traffic signals, and better street lighting.

A simple but noteworthy improvement is the installation of “Danish Offsets,” so named for their widespread deployment in Denmark, in which crosswalk paths are oriented to provide more direct sight lines for pedestrians to observe oncoming vehicles.

Since 2015, community-wide crashes are down



“Danish Offset” crosswalks provide better sight lines for pedestrians to observe oncoming vehicles.

39 percent and the cumulative five-year impact of the program is an estimated 257 fewer law enforcement responses, 480 vehicles spared from damage, and the prevention of eight pedestrians or bicyclists from being struck by vehicles.

“Our Village is grateful for this National Roadway Safety Award recognition. We pride ourselves in being a very pedestrian and bicyclist friendly community, which requires a real commitment to safety,” said Village President Kevin Buckley. “The Village Board and Staff take roadway safety seriously and never miss an opportunity to improve our roadway system through innovative means.”

Initial data from the National Highway Traffic Safety Administration and Federal Highway Administration show that 38,680 people died nationwide in motor vehicle traffic crashes in 2020, despite a 13.2 percent decline in miles traveled due to the pandemic. Fatalities increased 7.2 percent from 2019 to the highest number since 2007.

“Last year’s jump in fatalities was alarming and projects like Whitefish Bay’s community-wide safety improvements save lives by deterring dangerous

↔ Page 15 (Road Safety Award)

Why Should I Become an APWA Emerging Leader?

By Chris Tippery, P.E. ENV SP, Chair, Leadership & Management Committee; significant contributions from Kamron Nash, P.E., Director of Public Works, Village of Summit; Robert Wielgos, P.E., Civil Engineer, raSmith; and Michael Wodalski, P.E., Director of Public Works, Village of Weston.

To promote personal growth and development, as well as leadership skills within the individual's own organization and our Chapter, the Wisconsin Chapter of APWA developed an Emerging Public Works Leader Program (EPWLP). This program is aligned with APWA National's Program of the same name and allows our Chapter representatives an opportunity to learn about themselves, how they relate to others, and how they can grow and develop their own skills and make major contributions to organizations in which they participate. Our Chapter is filled with outstanding leaders from the Executive Committee to the Technical and Standing Committees, we are always looking for new members to take our message to new participants or to expand upon the contributions that APWA makes in Wisconsin.

To provide some further insight into the EPWLP and the impact that it has made on our Chapter members, we solicited feedback from three experienced professionals from both the public and private sector who have participated in the program on both the local and national level. It is best to let their words speak for themselves:

Kamron Nash, P.E. – Director of Public Works for the Village of Summit

I consider myself fortunate to have been selected as a participant in the 2017 Emerging Public Works Leaders Program (EPWLP) offered through the Wisconsin Chapter. The program provided me the opportunity to meet and engage with Chapter leadership, to attend the PWX national conference for the first time, to meet many public works professionals across the state and nation, and to learn more about APWA as a whole. As a result, I became involved with the Chapter Young Professionals Committee and currently serve as the committee chair. Through the EPWLP, I was also encouraged to apply for the APWA Emerging Leader Academy through APWA National. I was selected as a member of the Class of 2018 (ELA XI), and I joined 15 other young professionals from across the U.S. and Canada in the year-long, intensive leadership and management training program. I

have enjoyed being involved in APWA National so much that I served one term on the PWX Program Review Committee and am currently in my second term on the Emergency Management Committee. The Wisconsin Chapter EPWLP was the catalyst for my APWA involvement, and I highly recommend the program for any young professional who wishes to advance their career within the public works profession.

Robert Wielgos, P.E. – Civil Engineer at raSmith

I am writing to share the experience of my time in the Emerging Leaders Academy Class of 2021 (ELA XIV). I cannot speak highly enough about the program as a whole; the topics, people, and discussions all made me a better professional and gave me new perspectives on leadership. While it is categorized as a "class," the instructors are just as much a part of the learning experience as the academy members are. This made for memorable discussions about the various facets and topics related to leadership. The bonds I formed with my classmates and instructors are some that I will hold onto for my entire career. By hearing about others' perspectives and sharing my own during our monthly meetings, homework assignments, and class project, we all grew together professionally. We also challenged each other through these activities and made each other better leaders in doing so. I would recommend everyone who's eligible to apply for the academy.

Michael Wodalski, P.E. – Director of Public Works for the Village of Weston

The APWA Emerging Leaders Program had a big impact on my professional career. I am typically a shy person who doesn't like to get out of my comfort zone and participating in the Wisconsin Emerging Leaders program helped me to meet more people within the organization and got me more connected with others in the industry. This has helped me improve relationships with suppliers, consultants and other Public Works Professionals throughout the state and has been very beneficial. I now feel comfortable and confident to call or email others



The Fox Cities Exhibition Center in Appleton is headquarters for the 2022 Spring Conference.

Don't Miss the 2022 Spring Conference & Vendor Show

May 4-6, Fox Cities Exhibition Center & Paper Valley Hotel | Appleton

<http://wisconsin.apwa.net/EventDetails/27791>

By Eric Dundee, Conference Chair

The APWA Wisconsin Chapter will hold the Spring Conference in Appleton this year on May 4-6. It will be held at the magnificent Fox Cities Exhibition Center in the heart of downtown Appleton and overlooking beautiful Jones Park and the Fox River. This conference will be held in person, and unfortunately without a virtual attendance option.

Many of the traditions that have made our conferences so enjoyable have been blended with some new activities. To begin with, we have put an emphasis on adding value for public works field staff and will be bringing equipment back for this conference—and lots of equipment there will be! The Expo floor will feature both vendor booths and equipments displays. Spaces will be sold out and there will be in excess of 60 vendors and equipment displays (see the event webpage for a current floor plan). Concurrent professional education sessions will be held within the exhibition center next to the vendor floor to make for ease in transition from classroom time to expo floor time. In addition to the-

one-hour professional education sessions, there will be quick hitting “vendor showcase” presentations on the floor and in small group areas that can also qualify for PDH’s (Professional Development Hours). See the event webpage for a full schedule of professional development and vendor showcase sessions.

To further enhance the Thursday vendor experience, there will be “Expo & Lunch” passes available as a registration option for those wishing to attend or bring additional visitors to the expo floor to see the equipment and vendors. Think of this as an opportunity for public works frontline staff, new staff at your company, and students with an interest in public works to explore APWA and its offerings.

A chronological description of the Conference and Exhibit Show is as follows:

Wednesday May 4

- Registration at the Paper Valley Hotel
- Golf Outing at Reid Golf Course
- Jones Park and Bridge walking tour (eligible for

⇨ Page 6 (Spring Conference)

Spring Conference (Cont.'d from page 5)



Sign up for golf at the Reid Golf Course on Wednesday afternoon, May 4.

1.5 PDH's)

- Get Acquainted Party at Fox Cities Exhibition Center)

Thursday May 5

- Breakfast and Conference Kickoff
- General Session on Infrastructure Package for APWA Washington D.C. Government Affairs
- Educational Sessions
- Expo Floor all day, including over 60 vendor booths and equipment displays, along with hours of Vendor Showcase Presentations. (Special passes available for the expo floor and lunch-only option.)
- Technical and Standing Committee Meeting Time
- Evening Awards Banquet
- Post-Banquet Adventures in Downtown Appleton

Friday May 6

- Full Breakfast and Local Public Works Highlight
- Educational Sessions
- Business Meeting, followed by Lunch and Door Prizes

Hotel Rooms have been reserved for attendees. For further information on the conference, registration or reserving a room, contact the conference program planning chair **Eric Dundee** at (608) 709-1867 or ericd@madsewer.org, or simply check out the Wisconsin Chapter APWA website at <http://wisconsin.apwa.net/>

The Wisconsin Chapter goes to great lengths to keep our conferences of a high quality and at an affordable price. We are looking forward to seeing you all there.✈️



Innovation, Partnership Drive Salt Use to a 30-Year Low



The following is a summary of the Wisconsin DOT's "Winter Maintenance at a Glance 2020-2021" report.

Winter Statistics

In 2020-2021, Wisconsin experienced a less costly and less severe winter than the previous year. Compared to last year's winter costs of \$84,639,241 this winter's costs totaled \$74,101,934, a decrease of 12.4 percent. The state experienced an average of 25 winter storms this winter, resulting in an average of 51.8 total inches of snowfall. This average represents a 28 percent decrease from last year's statewide average of 71.9 inches of snow.

The great news from this past winter was that it was our lowest salt use in terms of Tons/Lane mile since the 1988/1989 winter, with a statewide average of 9.2 tons/lane mile.

A Mild Winter Season

Our weather for the winter of 2020-2021 was relatively mild across the state up until February, when winter started to show up with some larger snowstorms, accompanied by brutally cold temperatures for most of the month. Winter seemed to break across most of the state in March as normally is expected, especially in the southern parts.

Snowfall varied significantly across the state; the highest snowfall recorded was in Iron County at 124 inches; the lowest was in Door County at 30 inches. This winter's statewide average total snowfall was 51.8 inches.

Even with the challenges COVID brought to everything over this past winter, the partnership between the counties and WisDOT maintained the expected level of service for winter maintenance without any issues.

Salt and Anti-icing Work Together

Salt use was 23.8 percent lower than the previous year, at 324,265 tons. (See chart on page 8.) WisDOT encourages counties to use salt efficiently by making use of best practices such as anti-icing and prewetting. Use of anti-icing materials was down 4 percent over last year, with counties using 3,642,986 gallons of anti-icing liquid. Sixty-eight counties made at least one anti-icing application. Use of prewetting materials was similar to last year with counties using 4,773,553 gallons.

Salt Use (Cont.'d from page 7)

Direct Liquid Application (DLA) is a relatively new best practice in Wisconsin. During the winter of 2020-2021, 30 counties used this technique, up from 17 counties in the previous year. Liquids applied directly to the pavement for deicing replace rock salt as the primary storm management tool. This reduces the amount of salt applied and has been found to be more effective than solid salt. WisDOT hopes to expand use of DLA in the future.

In contrast, WisDOT actively discourages counties from using sand on the state trunk highway system. Sand is not effective at high traffic speeds, negatively impacts the environment, and ultimately decreases the level of service provided. Counties used 14,393 cubic yards of sand on state highways this year, a 2 percent decrease from the average of the five previous winters (14,689 cubic yards).

Wisconsin counties applied a statewide average of 9.2 tons of salt per lane mile, a decrease of 24.6 percent compared with the 2019-2020 winter.

Analyzing Travel and Crashes

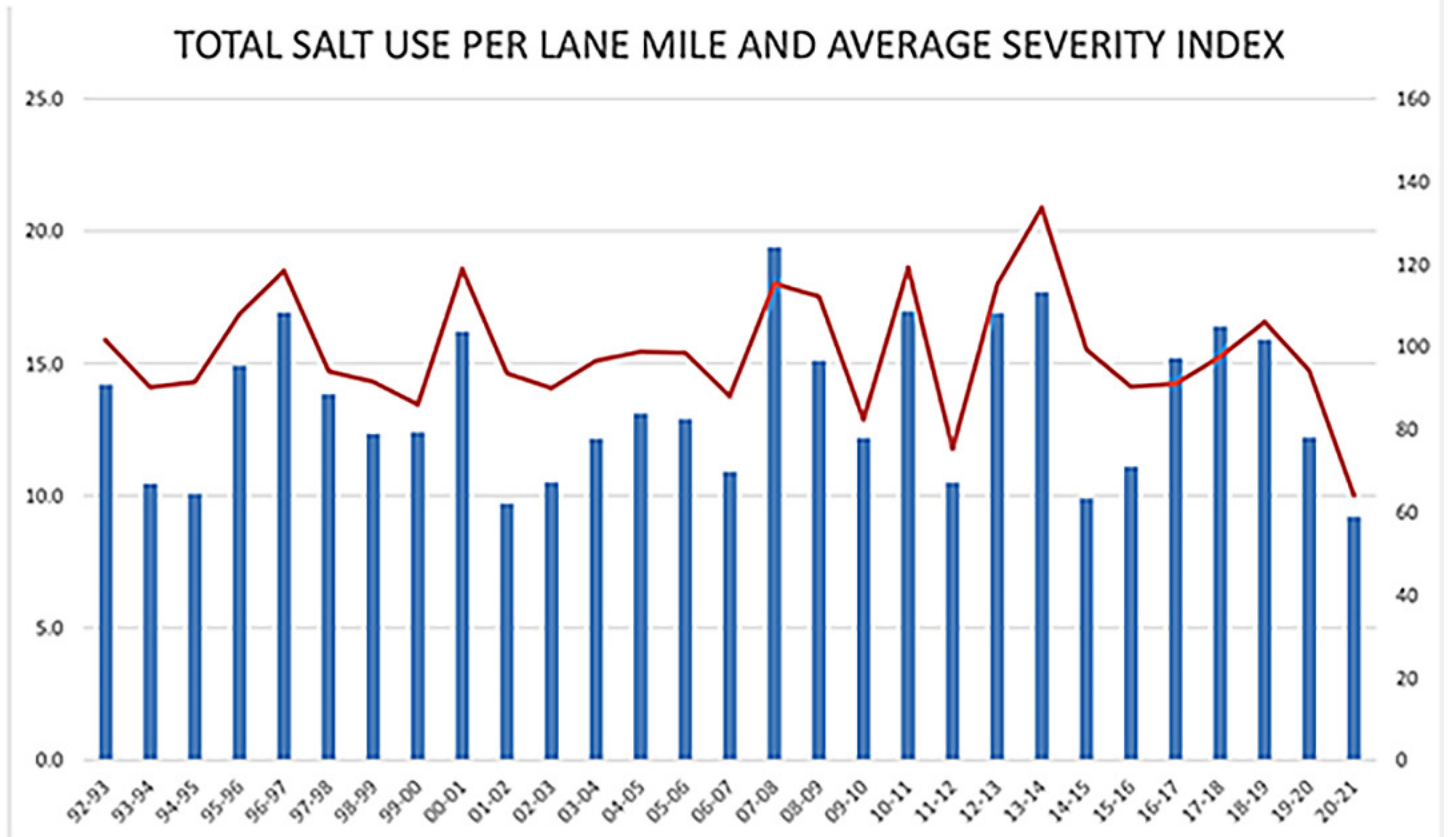
By keeping roads as clear as possible within their expected level of service (18- or 24-hour coverage), maintenance crews have an opportunity to help prevent crashes. This year, there were 6,403 winter weather crashes (those that occurred on pavements covered with snow, slush or ice).

The statewide average crash rate (number of crashes per 100 million vehicle miles traveled) increased from 21 to 23, a 10 percent increase over the previous winter. Last year, 6,303 winter crashes were reported.

Crash rates tend to correlate with winter severity. This past winter broke that trend, but due to the unique situations caused by the COVID pandemic, there are a lot of variables that could have attributed to this. For example, as traffic volumes were down the more severe crashes could have went up because traffic speeds were increased.

👁️ Page 16 (Salt Use)

Salt Use per Lane Mile and Average Severity Index From Salt Inventory Reporting System, 1992-2021



Young Professionals - Winter Event



The APWA Wisconsin Chapter Young Professionals Committee is hosting a skiing/snowboarding event on Thursday, February 24 at Devil's Head Resort in Merrimac, Wis. The event will begin at 2:30 p.m. with a social gathering, and slopes are

open to attendees at 4:00 p.m. Have a meeting that's running later? No worries—join the group when you can! The slopes will remain open until 10:00 p.m. The event is open to everyone.

Schedule of Events:

- 2:30 p.m. – 3:30 p.m. Social Gathering
- 4:00 p.m. – 10:00 p.m. Skiing/Snowboarding

Note: This event is open to all ages. The Chapter will cover up to \$30 of the lift ticket and equipment rental fees for Young Professionals who attend. Please select the appropriate registration option under "Open Registration" if you are over 40 years of age and "YP Registration" for those aged 40 years and younger. There is also an event sponsorship opportunity for those wishing to sponsor this event.

Event Date & Time:

2/24/2022 2:30 p.m.-10:00 p.m.

Venue:

Devil's Head Resort
56330 Bluff Road
Merrimac, WI 53561

Contact Person:

Kamron Nash
Email: pwdirector@summitvillage.org
Phone: (262) 567-2757
Company: Village of Summit
Title: Public Works Director

Member Services

Chapter Membership Evens Out in Late 2021

By Aimee Irwin, Member Services Chair

As of December 28, the membership count was at 798—down 10 from 808 in September 2021.

The Chapter had 91 new members in 2021. In addition, the Chapter had fewer dropped

members in 2021 as compared to 2020.

I'd like to thank the new members who have joined our organization last year, and look forward to continued growth in 2022. 🙌

Awards Committee

Nominate, Nominate, Nominate

The Awards Committee is accepting nominations for the following awards:

- Project of the Year (Chapter and National)**
- Rheinfrank Award**
- Curtis Chapter Service Award**
- Samuel A. Greeley Award**
- Outstanding New Member Impact Award**

If you are unsure about which individual award your outstanding candidate is best suited for, check out the Awards page on the Wisconsin APWA website or contact an Awards Committee member.

The Chapter has a long history of recognizing and encouraging members by awarding them for the work that they do and the projects they work on. To sustain the awards program, we need your assistance in providing nominations. Now is the time to take a moment out of your busy day and write down a names of colleagues who deserve

special recognition. If you have a project that you are proud of and want to showcase it to the Chapter, the best way to do that is to win a Project of the Year Award and have a chance to present it at the Fall Conference.

In addition, all Project of the Year nominations submitted to the Wisconsin Chapter are forwarded to APWA National for consideration.

APWA National Awards

Did you know that you can nominate someone for an APWA National Award? No need to work through our Chapter committee—you can go directly to the APWA National website and apply directly. Categories include recognition for exceptional Professional Managers in a variety of aspects of public works such as:

- administrative management,
- emergency management,
- engineering and technology,
- facilities & grounds,
- public fleet,
- public right-of-way,
- transportation,
- solid waste, and
- water resources.

Award nominations are accepted from chapters, public agencies, corporations, APWA's general membership, as well as the general public. To review the APWA National and Wisconsin Chapter award programs, visit the following websites:

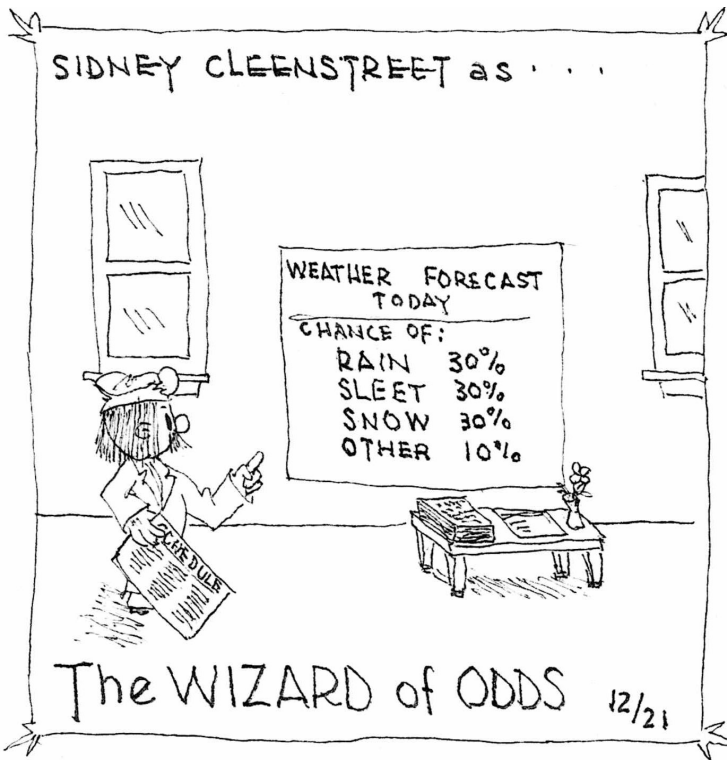
Wisconsin Chapter Awards

<http://wisconsin.apwa.net>

APWA National Awards

<https://www.apwa.net/MYAPWA/About/Awards>

Project of the Year and Chapter Individual Award nominations are due at the Wisconsin Chapter by **January 31, 2022.**





Public Works Classes Offered by UW-Madison Transportation Information Center (TIC)

By Ben Jordan, Director, Wisconsin Transportation Information Center

These public works supervision and management classes will provide you and your organization an opportunity to:

- Build a more effective management team;
- Enhance supervision skills and management practices;
- Prepare staff to grow in their career and take on new responsibilities.

Classes lead to two public works certificates offered in cooperation with the Wisconsin Chapter of APWA; the Public Works Supervisory Academy (PWSA) certificate, composed of nine, one-day classes (54 class hours in total), and the Public Works Management Institute (PWMI)

certificate, composed of 15 classes (90 class hours in total), including the nine courses in PWSA, plus an additional 36 class hours in five courses that focus on more advanced management-oriented courses. The PWMI certificate is recognized by National APWA as meeting requirements for Leadership Excellence in Public Works.

You may enroll in individual classes without enrolling in the Academy or Institute. Academy and Institute classes may be taken in any order, except that the PWMI certificate requires a Capstone course that must be taken as the last class in the series.

No academic experience is

required to participate in either program. Each class is normally offered at least once each year. In fall 2021, all classes are being offered online except for Municipal Engineering Fundamentals which will be in-person in Madison.

For additional PWSA & PWMI information, go to: epd.wisc.edu/tic/public-works-certificates/public-works-supervisory-academy and epd.wisc.edu/tic/public-works-certificates/public-works-management-institute-certificate

You can register for currently scheduled classes at: epd.wisc.edu/tic/workshops

Basic Management for Public Works Supervisors

February 17 & 23 | Online
8:30 a.m. to 11:30 a.m. each day
Instructor: Bryan Gadow

Learn the basic management tasks and common service delivery methods in public works. Review common work planning systems and how to better plan your own time. (PWSA)

Equipment Use and Workplace Safety

March 3 & 19 | Online
(8:03 a.m. to 11:30 a.m. each day)
Instructor: Nicole O'Connor

Examine the supervisor's role in meeting safety compliance requirements, investing and solving safety issues, and building a safety conscious organization. (PWSA)

Management Assessment for Personal Planning and Development

March 23 | Online
(9:00 a.m. to 3:45 p.m.)

Instructor: Avrie Schott (offered in partnership with the Division of Continuing Studies; registration closes March 15)

Learn how your own style compares with other managers' and your agency goals. Discover strategies to build on your identified strengths and address limitations. Register two weeks before the course to be able to complete a self-assessment before class. (PWSA)

Improving Communication Skills

March 17 | In-Person
(8:30 a.m. to 3:30 p.m.)
or

May 17 & 24 – Online
(8:30 a.m. to 11:30 a.m. each day)

Instructor: Dave Hutton

Learn how to identify communication issues and their impact: how to conduct effective meetings; and write basic business memos, work orders, email messages, and reports. (PWSA)

Citizen/Customer Service

March 31
(8:30 a.m. to 3:30 p.m.)
Madison

Instructor: Jeffrey L. Russell

Learn how to listen and respond in order to provide better customer service and reduce unrealistic expectations. Learn effective ways to lead angry citizens away from confrontation toward cooperation. (PWSA)

Human Resources (HR) Basics for Non-HR Professionals

April 14
(8:30 a.m. to 4:30 p.m.)

Instructor: Karen Bender (offered in partnership with UW-Madison Small Business Development Center, alternate course for PWSA)

Learn the laws most often violated (unknowingly) and provide information on how to prevent those violations

☞ Page 12 (PWSA/PWMI Courses)

Join Us for the 3rd Annual Ice Fishing Outing

Monday, March 7 | Door County | Register online at: <http://wisconsin.apwa.net/EventDetails/27711>

By Nathan Wachtendonk, City of Green Bay

Join us for the 3rd Annual APWA Ice Fishing Outing in Door County on Monday, March 7.

We will be fishing with the Wacky Walleye Guide Service (Sand Bay Beach Resort) in Sturgeon Bay for white fish. The trip will be fully guided and includes heated ice houses, transportation on ATV's from Sand Bay Resort to the fishing grounds, bait, tackle, and poles. Soda and water will be included.

The outing will last either four or six hours, depending on which option you choose, and will leave

Sand Bay Resort at 7:30 a.m. and return at either 11:30 a.m. or 1:30 p.m.

Rooms reserved after January 25 are subject to hotel availability.

Hotel stays are available the night before at \$85 with a max of two people per room. Hotel stay includes a continental breakfast. Call Sand Bay Beach Resort at (920) 743-5731 for reservations.

A valid Wisconsin fishing license and warm clothes are required.☞

Sign Up for the 3rd Annual Summer Fishing Extravaganza

Friday, June 17 | Port Washington | Register online at: <http://wisconsin.apwa.net/EventDetails/27709>

By Nathan Wachtendonk, City of Green Bay

Lake Michigan offers some of the finest freshwater Coho and King Salmon in the world, and Nicky Boy Charters out of Port Washington is among the best in the charter fishing business.

The charters will leave the Port Washington at 5:30 a.m. aboard USCG-inspected charter boats and is scheduled to last six hours. After returning to port, anglers will be given a chance to brag about the one that got away.

Two boats were reserved and each has a capacity

of six people. All fishing equipment will be supplied. Remember to bring a cooler, bags and ice to transport your catch along with warm clothes. It can get cool out on the lake late in the afternoon.

A valid Wisconsin fishing license with Great Lakes Trout Stamp is required. Licenses can be purchased the day of the outing aboard the boats.

The cost is \$140 per person payable only on the Chapter website, which includes tip.

Overnight lodging is available at local hotels.☞

PWSA/PWMI Courses (Cont.'d from page 11)

and focus on common issues encountered when dealing with employees. (PWSA)

Fearless Performance Management

April 12

(9:30 a.m.-4:30 p.m.)

Madison

Instructor: Jeffrey Russell (offered in partnership with UW-Madison Small Business Development Center, alternate course for PWMI)

Gain tools you can use to set performance goals, document and manage performance, maintain ongoing communication, conduct performance reviews, and develop performance improvement plans. (PWMI)

Fundamentals of Public Works Operations

April 21 & 28

(8:30 a.m.-3:30 p.m.)

Instructor: Ben Jordan

Focus on managing the range of services in a public works department, including current operational issues. Each student will make a short presentation and lead a discussion on a relevant Public Works operations topic that they identify

during the course. (PWMI)

Municipal Engineering Fundamentals for Non-Engineers

April 22, April 29, May 6, May 13, May 20, May 26

(11:00 a.m.-1:00 p.m. each day) – Online

Instructors: David Barber and Ben Jordan

Learn about basic engineering concepts and methods used by public works engineers to design, construct, operate, and maintain municipal infrastructure. (PWMI)

Budgeting for Public Works

March 2 & 9 | Online

(1:00 p.m.-4:00 p.m. each day)

or

June 2

(8:30 a.m.-3:30 p.m.)

Fond du Lac

Instructor: Michael Daun

Learn to prepare and analyze an operating budget and explore several alternative budget formats and their budgeting, including asset leasing and purchasing pools.respective strengths and weaknesses. Review capital fund. (PWMI)

News from National

International Public Works Professional Select Top Five Trending Technologies for 2022

January 17, 2022—After tallying over 1,000 votes from public works professionals internationally, the American Public Works Association has announced its Top Five Trending Technologies for 2022.

Top Trending Technologies Survey highlights trending technologies with practical applications designed to aid public works professionals delivering essential services to communities of all sizes, and to meet the needs of various populations. A technology is considered trending due to its projected impact on public works across all departments, and at all levels.

The 2022 Top Five Trending Technologies are:

Asset Management

- Integrated data collection allows for more proactive asset management, leading to better planning and tracking, which enhances efficiency and reduces costs.

Geographic Information Systems (GIS)

- GIS continues to show up as a top trending technology with its ability to intersect with other trending technologies, allowing for mapping, spatial functionality, and asset management.

SMART Technologies

- These technologies identify and interconnect public assets managing the data to improve efficiencies, enhance safety and enable cost savings.

Intelligent Transportation Systems

- Actuated intersections, managed lanes, and

Emerging Leaders *(Cont.'d from page 4)*

questions and have greatly expanded my network by participating in the Emerging Leaders Program.

I was also fortunate enough to get selected to the National Emerging Leaders program which was an elevated version of the local program. I was able to meet others from around North America who were in similar careers, and I learned we all face similar challenges and was able to learn how other people handle circumstances I'm faced with too. You are emerged into a new network of peers who are in similar roles, and it's been helpful to further expand that sphere of influence. I never thought I'd have a contact in Ottawa, Canada to talk to about snowplow equipment, but I do! Public Works is a very

alternate route management are a few of the things now in use to facilitate traffic flow. Using ITS to monitor traffic reduces commuter frustration by shortening travel times.

Fleet Electrification

- Climate protection and cost savings lead the way in the push toward fleet electrification. Reduced maintenance costs are expected as well as EV fleets become more common.

“Rapid Technological developments can improve asset management and safety for public works professionals, resulting in efficiencies and cost savings for public works agencies. In APWA’s role as the premier technical and educational resource for public works professionals, keeping an eye on trending technologies allows our members to better fulfill their missions,” said APWA President Stan Brown. “Whether it’s improving traffic flow, or developing an electric fleet, public works professionals are continuously improving the lives of the people they serve.”

APWA uses the Top Five Trending Technologies in developing programs such as Click, Listen & Learn webinars, APWA Reporter articles, and comprehensive, high-quality education resources. APWA created the “Top Five Tech” logo to identify APWA Reporter articles, Click, Listen & Learn webinars, and APWA Public Works Expo (PWX)/PWX@Home and Snow Conference education sessions. PWX exhibitors can also use the logo on PWX marketing material to customers, including on their booth and in presentations.📌

rewarding profession and these programs help you learn more about the industry as well as yourself.

Applications for the 2022 EPWLP are now currently available on the APWA Wisconsin Chapter Website, found on the Leadership & Management Committee page. We ask that you, or someone within your organization, consider applying to the Program. It provides a lifelong benefit, new relationships and friendships and will benefit both you as an individual and any organization with which you participate.

The deadline for applications is May 22.📌



Register for the North American Snow Conference

April 10-13, David L. Lawrence Convention Center | Pittsburgh, PA

<https://www.apwa.net/SNOW/Home/SNOW/Home.aspx>

The 2022 Snow Conference has it all, from expert-led snow and ice education sessions to an exhibit floor full of vendors excited to show you the latest winter maintenance solutions for your com-

munity. Make plans now to join your peers and take advantage of everything the Snow Conference has to offer. See you in Pittsburgh!

Keep checking the website for updated information.

Education Program

APWA's goal for the Snow Education Program is to create an event where you can make meaningful connections and discover and produce game-changing insights and solutions.

APWA knows the challenges and opportunities facing public works are unprecedented. The speed of social and technological change places an enormous responsibility on you to proactively provide and maintain the infrastructure needed for your community's growth and well-being.

You need a snow experience that will help you gain new perspectives, exchange ideas, and participate in important and thought-provoking discussions on the shape of things to come.

We need you to arrive in Pittsburgh prepared to ask the essential questions and share your views and ideas.

Start thinking now about:

- What challenge are you facing that a solution seems out-of-reach?

- What leadership qualities, skills, and resources are needed to lead and manage the modern public works department?
- What innovations and solutions has your agency implemented that would help the whole profession provide better public works services?
- What are your blind spots? Are you open to fresh and broader perspectives?
- What is your vision for the future of public works?
- Can innovation be learned?
- What's coming? Do you have any hunches or visions for what the next technological advancement will be?
- How should we be providing public works infrastructure and services that are resilient and sustainable?

Don't stop there—what else is on your mind? We're counting on you to show up eager to ask questions and to join your colleagues in imagining the future your communities deserve!

APWA is committed to helping you learn from each other, and the Snow 2022 Education Program will include opportunities for you to make intentional connections.

A Wisconsin Poem

*It's winter in Wisconsin,
 And the gentle breezes blow.
 Seventy miles an hour
 At thirty-five below.*

*Oh how I love Wisconsin,
 When snow's up to your butt.
 You take a breath of winter air
 And your nose gets frozen shut.*

*Yes, the weather here is wonderful,
 So I guess I'll hang around.
 I could never leave Wisconsin
 'Cause I'm frozen to the ground.*

- Anonymous Poet

Road Safety Award *(Cont.'d from page 3)*

driving,” said Roadway Safety Foundation Executive Director Greg Cohen. “Future travelers in Whitefish Bay, whose lives and limbs will be spared by these improvements, will owe an unknowing debt of gratitude to the Village Board and staff. We urge DOTs across the nation to look at Whitefish Bay and other awardees’ innovations and replicate their efforts wherever possible.”

The National Roadway Safety Award projects were evaluated on three criteria: Effectiveness, Innovation, and Efficient Use of Resources. The program honors outstanding projects involving infrastructure, operational or program-related innovations. The seven winners were selected from a nationwide pool of applicants and the other awardees are:

- City of Bellevue, WA for its video analytics traffic safety program;
- Broward Metropolitan Planning Organization for its Complete Streets Master Plan;
- North Carolina Dept. of Transportation for its

- long-life pavement markings safety effort;
- California Dept. of Transportation for its 2020-2024 Strategic Highway Safety Plan update;
- Texas Dept. of Transportation’s tool to assess the safety of rural highway design elements; and
- Florida Dept. of Transportation for its use of smart work zone safety technologies.

Winners were selected by an expert panel of judges from a variety of disciplines.

For complete details on each of the winners, and for more information on the national awards program, visit <http://www.safety.fhwa.dot.gov/roadway/safetyawards/>.

#

The Roadway Safety Foundation is a 501(c) (3) charitable and educational organization. Our mission is to reduce the frequency and severity of motor vehicle crashes, injuries, and fatalities through improvements to roadway systems and their environment.

President’s Comments *(Cont.'d from page 1)*

are we hosting the Spring and Fall Conference as we have in the past, the Young Professionals are hosting a skiing event in February, there is an ice fishing event in Door County in March, a salmon fishing event in Port Washington in June, the golf outing in July and the Roadeo in September. The Chapter is also exploring another joint activity with the Chicago Metro Chapter now that travel restrictions seem to be lightening up. Each of these provide you with an opportunity to get involved, have fun, and meet new people (and, maybe, catch some great fish).

Another way to get involved is to join one of our committees. The Chapter website lists all of our Technical and Standing committees, but I want to bring particular attention to four of them: the Young Professionals, Sustainability, Public Relations and Facilities and Grounds. The Young Professionals have been meeting as a group for some time but, at the January Executive Committee Meeting, the Executive Committee heard a recommendation to formally recognize the Young Professionals (Chair–**Kamron Nash**) as a standing committee. There was also a recommendation to recognize the Sustainability group (Chair–**Rick Eilertson**) that has been meeting as a technical committee. Both of these were viewed favorable and a recommendation will be made at the Spring Conference to amend the bylaws to

recognize both these proposed committees. The third committee I want to recognize is the Public Relations Committee. While it has existed for about six years or so, there weren’t many members and it did not regularly meet. **Lynda Fink**, with KL Engineering, has agreed to be the chair of the committee and she currently has the committee off and running. The last committee I want to mention is the Facilities and Grounds Committee; I am drawing attention to this committee because there is no chair and few, if any, members so it is not meeting on a regular basis. Regardless of the committee, opportunities exist for you to step outside your comfort zone and become active in any one of a number of committees. If you are interested, shoot me a note and I’ll get you in touch with the right person.

Finally, this year’s Spring Conference will be held in Appleton and will be an in-person conference only (no virtual option). The reason it will be in-person only is because it also provides our vendors (consultants, contractors, vendors, etc.) an opportunity to showcase their products and services. That is best experienced in person interacting with our friends and colleagues. More details on the conference are included in this newsletter and on the Chapter website. I’m looking forward to meeting and seeing you at many of these events this year. ✍️

Salt Use (Cont.'d from page 8)

Looking Ahead

The Wisconsin Department of Transportation (WisDOT) Bureau of Highway Maintenance continues to look for efficiencies that reduce winter maintenance costs. For example, using brine during winter storm events helps reduce salt use and can result in a significant reduction in cost of materials. Additionally, reducing salt use can lessen negative impacts to roadside vegetation and the state’s water resources.

WisDOT has looked back at the five-year averages of salt use and of winter severity in each county. In the 2020-2021 winter season, 46 out of 72 counties improved their salt use based on those calculations. It was also estimated that the state as a whole saved \$3.2 million due to the use of liquids that improve the efficiency of rock salt use.

WisDOT will also continue with a Brine Technical Advisory Committee, which bring WisDOT staff and county staff together to discuss brine liquid use and learn from successes and failures. Due in part to this education effort, liquid brine use went from 2.5 million gallons of brine just a few years ago to nearly 11.6 million gallons this past winter.

This past winter WisDOT contracted with the University of Wisconsin Madison Traffic Operations and Safety (TOPS) Laboratory to study the use of brine liquid vs. rock salt. Items being studied include

cost comparisons, effectiveness in getting to bare/wet pavement, and friction coefficients during and after a storm. UW TOPS lab is working with 10+ counties that are high brine users to gather this data. The report from UW TOPS lab should be completed by early 2022. In addition, the UW TOPS Lab also has a contract with the Clear Roads Technical Advisory Committee led by WisDOT to look at nationwide analysis of brine application rates and recipes for all winter weather conditions. This will allow for synergy between WisDOT’s efforts and those occurring at a national level.

WisDOT will continue to explore other methods of reducing rock salt usage on the state highway system. Through our county partnerships we will continue to implement route optimization, which has proven to enhance efficiency. The Maintenance Decision Support System (MDSS) continues to be refined, including the option of having treatment recommendations sent directly to plow drivers. WisDOT will continue to work with MDSS to come up with better and more precise application recommendations for specific weather conditions and direct liquid application rates. Through the Wisconsin County Highway Association, winter maintenance training at all levels will be implemented using materials and methods created by Clear Roads and other expert sources.

2022 CALENDAR

2022

February 27	Skiing/Snowboarding Event Young Professionals	Devil’s Head Resort Merrimac, WI	Kamron Nash
March 7	Door County Ice Fishing Outing	Sturgeon Bay, WI	Nathan Wachtendonk
April 10-13	North American Snow Conference	Pittsburgh, PA	
May 4-6	Spring Conference	Fox Cities Exhibition Center Appleton, WI	Eric Dundee
June 17	Summer Fishing Extravaganza	Port Washington	Nathan Wachtendonk
May 15-21	National Public Works Week		
November 2-4	Fall Conference	UW-Platteville (TBD)	Eric Dundee

Please refer to the <http://wisconsin.apwa.net> website for more detailed program and registration information.