



Illinois Section
Founded 1916

INSIDE:

**President's
Notes**
2

**The Work-Life
Balancing Act**
3

**Infrastructure Making
the News**
4

**ASCE IL Section Pro-
posed Modifications
to the Constitution
and Bylaws**
5

**Getting the Most Out
of Your Involvement
in the Illinois Section**
8

**ASCE Region 3
Update**
9

**2019-2020 ASCE IL
Section Leadership
Ballot Announcement**
10

**ASCE IL Section 2019
Awards: Time for
Nominations**
13

**News & Secretary
Report**
15

Section Activities
17

ASCE Illinois Section

News

Vol. 60, No.2
Summer 2019

How Two Engineers Designed and Maintained their Careers in Chicago

By Colleen Miller and Steve Rienks

At age 60, Louis Bowman, PE and John E. Barrett, PE, SE were not thinking about retirement, they had a different goal in mind – venturing out on their own to start Bowman, Barrett & Associates Inc. in December of 1989. We asked the two now 89 year old retirees about their life-long career in Chicago and advice for today's engineers.

Q. What's the biggest factor that has helped your firm to be successful in Chicago?

A. Bowman: Finding and investing in good competent staff, problem solvers, and especially hard workers. It's always a challenge finding quality people and retaining them, but I'd like to believe the relationship-based culture we built had something to do with it. Our focus was to take care of our employees first and they will in turn take care of the clients.

Barrett: Never look past the importance of getting to know clients by their association in professional societies like

ASCE, AWS, ASTM, AREMA and other organizations. We encouraged our staff to attend their meetings, discuss new projects, and overall build those relationships.

At age 60, Louis Bowman, PE and John E. Barrett, PE, SE were not thinking about retirement, they had a different goal in mind – venturing out on their own to start Bowman, Barrett & Associates Inc. in December of 1989. We asked the two now 89 year old retirees about their life-long career in Chicago and advice for today's engineers.

(continued on page 9)

President's Notes

John G. Green, Ph.D., P.E.



In the Spring issue of the ASCE Illinois Section news, I wrote about the need for greater transportation funding due to the poor state of repair of our roads and bridges. Earlier this month, I am very happy to report, our Illinois lawmakers passed a \$45 billion capital infrastructure plan that provides \$33 billion in funding for transportation projects throughout the state. The money will support not only construction of roads, bridges, and transit systems, but will also provide for the ongoing maintenance of the infrastructure. One of the most significant highway projects covered by the funding will be replacing two of the state's most dilapidated bridges – the two Interstate 80 bridges which cross the Des Plaines River in Joliet, which will get \$1 billion.

This is a great change from the past ten years. Lawmakers came together in a bi-partisan manner, to direct funding to where it is sorely needed. To enact this bill, it took a politically difficult raise to our gas

tax, and our legislators deserve credit. The legislation also indexed the gas tax to inflation, ensuring that as prices of all goods and services needed to maintain and build our infrastructure rise, our gas tax funding mechanism will match them. Kudos for this bit of legislative insight.

If I could just propose one more action for our legislators, though, to ensure that we do not have any more ten-year droughts in infrastructure funding, it would be to convert our Interstate highways, every single mile of them, to tollways. Commercial trucks are the only vehicles that do significant damage to our roads and bridges. Differential pricing of interstate tolls, allows charging for highway use according to the damage caused by the vehicle, in the fairest way possible. While we should be thankful for our State government fixing today's problems, let us go one step further and secure funding for the future through tollways.



IL Section President, John Green, ASCE National President Elect, K.N. Gunalan and Megan McDonald, IL Section President-Elect at the 2019 President-Elect/Student Scholarship Dinner in April.

ASCE Illinois Section News

ILLINOIS SECTION NEWSLETTER

E-Mailed to all ASCE-IS dues-paying members
American Society of Civil Engineers Illinois Section - Region 3

**Communications Chair/
Newsletter Editor -
Katie Bell**

Katiebell529@gmail.com

**Director of Advertising -
Brian Pawula**

847-922-6125

brianp@thomas-engineering.com

Pres. John Green(815) 600-2051
Pres. Elect Megan McDonald . (312) 466-8249
Sec. Andrew Walton.....(312) 520-9276
Treas. Brian Pawula (847) 922-6125

Please update your information at
www.asce.org/myprofile or
call 1-800-548-2723

Web Site: <http://www.isasce.org>

ASCE National Information

Phone: 1-800-548-ASCE

Web Site: www.asce.org

**Advertise in the
Illinois Section
Newsletter
and reach
Civil Engineers in
the Chicago
Area.**

*For details email
Brian Pawula,
Director of
Advertising, at
brianp@thomas-engineering.com*

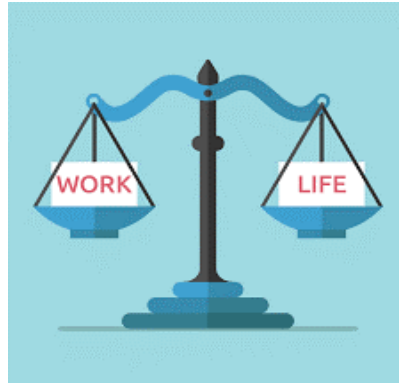
The Work-Life Balancing Act

By Sherryl Malanao, P.E.

The pursuit of a healthy work-life balance is a goal that many of us desire to achieve but with schedules getting busier than ever before this can seem like a daunting task. There is a constant balancing act between professional and personal responsibilities. On the one side, there is your career, project deadlines, professional development, networking, and on the other side is family responsibilities, managing relationships, hobbies, well-being,

The idea of achieving balance is determined by how you define and approach it.

and rest. There are many times when sacrifices need to be made but at what cost does this come? The balance between these aspects is not always equal, and it may change at different points in your life and career. According to a recent Business Information Review publication, “The search for work-life balance is a process in which people seek to change things in accordance with changes in their own priorities, physical, psychological or both, and these can be triggered in their turn by factors such as: age; changes in working conditions; the demands of new technology; and poor management.”¹ The idea of achieving balance is determined by how you define and approach it.



Some employers may be more conscious that work life balance is something employees care about and have therefore concentrated on implementing strategies to maintain a healthy work-life balance such as flexible work schedules, encouraging efficient work, and promoting health initiatives. This in turn significantly contributes to employee satisfaction and reduced turnover. People have choices about where they work, and they want to work for employers that promote a healthy work environment.

Some employers may be more conscious that work life balance is something employees care about.

While finding a workplace that promotes this balance is important, we also need to manage our professional and personal lives in sustainable ways. Set measurable goals each day, being able to prioritize what needs to be

accomplished for the day can help give a sense of control and makes to-do lists less daunting. Communicate effectively, if you're in a bind at work don't be afraid to ask for help. Nurture relationships, a balanced and happy personal life translates into a more engaged and productive professional life. Make time for you, whether it's going to work out or taking time to meditate, take some uninterrupted time to disconnect and feel renewed.

We need to manage our professional and personal lives in sustainable ways.

The whole process to achieving a healthy work-life balance takes effort. It is obtainable though by setting boundaries and making sacrifices between your personal and professional life. Everyone's priorities are different, whether it's going to professional events for the betterment of your career or taking time off to go on vacation. In the end, you can't do it all but you can do your best every day to live a life that leaves you fulfilled.

¹
<https://journals.sagepub.com/doi/abs/10.1177/0266382105052268>

Sherryl Malanao, P.E. is a Civil Engineer at Jacobs Engineering within the Aviation Department.

Infrastructure Making the News

By Patrick Lach, P.E., CFM

Over the past few months, there has been considerable buildup of infrastructure discussion in the news and at the federal and state level governments. ASCE has been involved in these discussions both at the national and local level including members from Illinois. Our nation's infrastructure bill is long overdue. Our systems have been built out decades ago and have not been able to keep up with the necessary maintenance and upgrades. ASCE's [2017 Infrastructure Report Card](#) rated the overall condition of the nation's infrastructure a cumulative grade of D+ and the [2018 Report Card for Illinois Infrastructure](#) rated the condition of the state's infrastructure as a C-.

Recent meeting on infrastructure between the President and Congressional Leadership is encouraging.

ASCE was encouraged to hear that President Trump, House Speaker Pelosi, and Senate Democratic Leader Schumer met at the end of April to discuss solutions to address the deteriorating infrastructure throughout the nation. This meeting provided the rare opportunity for bipartisanship to get beyond the political gridlock to begin to address the \$2 trillion investment gap plaguing our nation's roads, bridges, transit, inland waterways, drinking and wastewater systems, and more.

This meeting follows ASCE blanketing Washington DC in March with members from all 50 states and Puerto Rico to meet with over 300 members of Congress to advocate for a variety of infrastructure solutions including fixing the Highway Trust Fund where the main source of funding is the federal gas tax which has not been raised since 1993. There seemed to be a renewed sense of optimism from many legislators that infrastructure funding is needed now. This Legislative Fly-In was coupled with recent wins on the state level where three states (Ohio, Alabama and Arkansas) have increased the state gas tax in 2019 combined with a total of 27 states increasing their gas tax over the last six years. Illinois' gas tax has remained the same since 1991.

ASCE members from Illinois took part in a legislative lobby day as part of the Transportation for Illinois Coalition. Approximately 140 people from various transportation groups visited the State Capitol to demonstrate the need for sustainable transportation funding and to address the growing infrastructure funding gap in Illinois. Despite both chambers being in floor session, the groups were able to see almost the entire General Assembly membership while having many great conversations about support for transportation funding. The day was kicked off by Deputy Governor of Infrastructure, Christian Mitchell, who made it clear that the Governor has intentions to pass a capitol bill this

year and that there have bipartisan conversations happening as they figure out what the capitol bill will

27 states have increased their gas tax over the last six years. The Illinois gas tax has not changed since 1991.

look like. Attendees hit the ground running for a busy day of legislator meetings and providing important transportation funding handouts including the [2018 Report Card for Illinois Infrastructure](#).

The 101st General Assembly of Illinois has already developed several different bills to address infrastructure funding and have garnered a variety of headlines in the news. ASCE applauds the members for bringing infrastructure bills to the table and highlighting the urgent need to provide investment through reliable and sustainable funding sources. As civil engineers, we are tasked with protecting the public health, safety, and welfare of our nation and state and we encourage the general assembly to develop a robust infrastructure bill that invests in and modernizes our roads, bridges, water systems and more.

The average American family loses \$9 a day due to outdated, unreliable infrastructure systems. There are no Republican roads or Democrat bridges. Modernizing our infrastructure is one of the only areas today where there is (continued on 5)

Infrastructure Making the News

(continued from page 4)

bipartisan agreement. Recent polling continues to show that increasing infrastructure spending is one of the top priorities for Americans for the 116th Congress. Seventy-nine percent of people polled said it is "extremely important."

Infrastructure spending ranks high for both parties, with 88 percent of Democrats and 81 percent of Republicans surveyed calling it "extremely important." ASCE is excited about the national and state-level discussions being undertaken to improve our infrastructure but action is needed

The average American family loses \$9 a day (\$3,400 a year) due to outdated, unreliable infrastructure systems.

now! Our bridges — which have closures all over the country, water networks, leaky pipes, and the occasional blackout cannot afford to wait.

Additional Resources:

- ASCE's [2017 Infrastructure Report Card](#)

- [2018 Report Card for Illinois Infrastructure](#)
- [Illinois General Assembly Legislative Bill Tracking](#)
- ASCE Key Contact Program: <https://www.asce.org/keycontact/acts/>
- ASCE Public Policy Statements: https://www.asce.org/publicpolicy_statements/

Patrick Lach is a Senior Civil Engineer at Hey and Associates, Inc. and currently serves as the Co-Chair for ASCE's State Government Relations and Grassroots Committee.

ASCE IL Section Proposed Modifications to the Constitution and Bylaws

The ASCE Illinois Section Board, along with the help of Past Presidents of the IL Section, propose an amendment to the Constitution of the Illinois Section of ASCE. The intent of the modifications is to provide clarifications to fulfill the mission of the organization. The mission of the Illinois Section is to deliver value to our members, advance civil engineering, and protect the public health, safety, and welfare. Per the current ASCE documentation, we must provide the draft of the Constitution Modifications, which have been

accepted by petition by a minimum 50 active ASCE IL section members, to the membership for review.

The comment period is open until July 31, 2019. During this time, please review the document and provide feedback directly to illinoissection@isasce.org.

All comments will be considered. Final discussion and approval of this document will occur at the ASCE IL Section Board Meeting on August 5, 2019 at the offices of Clark Dietz. All active ASCE

Members are welcome to attend the meeting and join the discussion. We are also in the process of modifying the Bylaws and those shall be posted on the IL Section Website for review. These will also be ratified at the August 5, 2019 Board meeting.

If you have any questions regarding the Constitution or the Bylaws amendment process, please contact illinoissection@isasce.org.

ILLINOIS SECTION AMERICAN SOCIETY OF CIVIL ENGINEERS CONSTITUTION

Ratified by ASCE Board of Directors 05/06/19

Article I. Name and Object

- Section I.01 The name of this organization shall be the Illinois Section, American Society of Civil Engineers, hereinafter referred to as the Illinois Section.
- Section I.02 The mission of the Illinois Section shall be to deliver value to our members, advance civil engineering, and protect the public health, safety, and welfare.

Article II. Membership

- Section II.01 Assigned Members: All members of the American Society of Civil Engineers of all grades, whose addresses are within the boundaries of the Illinois Section, as defined by the American Society of Civil Engineers, hereinafter referred to as Society.
- Section II.02 Active Members: Assigned members of the Society of all grades who subscribe to the Constitution and Bylaws of the Illinois Section.
- Section II.03 Voting and holding of offices shall be limited to Active Members in the Society, with membership grades of Member, Affiliate Member, Associate Member, Fellow, Life Member or Distinguished Member.

Article III. Dues and Disbursements

- Section III.01 Annual dues shall be established in the Bylaws of the Illinois Section. Dues are payable in conjunction with Society dues. Active Membership ceases for any member whose dues are more than twelve months in arrears.
- Section III.02 Disbursements of the funds of the Illinois Section, after approval of the Board of directors, must be signed by one from the following group of officers: President, President-Elect, or Treasurer.

Article IV. Officers and Governing Body

- Section IV.01 The Executive Board of the Illinois Section shall consist of Past-President, President, President-Elect, Secretary, and Treasurer.
- Section IV.02 The officers of the Illinois Section shall consist of the Executive Board and six (6) Directors serving two-year terms.
- Section IV.03 The governing body of the Illinois Section shall be a Board of Directors comprising of the officers and the Chair of each subsidiary organization
- Section IV.04 Election of officers shall be in accordance with the Illinois Section Bylaws. Election of Chairs of each subsidiary organization shall be in accordance with each subsidiary organization's respective bylaws.



Article V. Bylaws

Section V.01 Bylaws consistent with this Constitution shall be adopted prescribing regulations for conduct of the business of the Illinois Section and its Board of Directors.

Article VI. Meetings

Section VI.01 The Annual Meeting of the Illinois Section shall be held in October to transition to the new Board of Directors.

Section VI.02 Regular Meetings for transacting business and for furthering the objectives of the Illinois Section shall be held at such times and places as may be designated by the Board of Directors. A notice for a Regular Meeting shall be sent to Active Members in advance of the meeting date. Regular Meetings are open to all Active Members.

Section VI.03 Special Meetings may be called by the Board of Directors, as necessary.

Article VII. Amendments

The Constitution may be amended only by the following procedure:

Section VII.01 A proposed amendment to the Constitution must be submitted to the Illinois Section Board of Directors in writing.

Section VII.02 The proposed amendment shall be reviewed by the Board of Directors before being distributed to the Active Membership of the Illinois Section.

Section VII.03 The proposed amendment shall be distributed to the Active Membership of the Illinois Section who shall be given the opportunity for review. Active Members shall submit any comments or revisions to the Board of Directors in writing within the comment period. The comment period shall be a minimum of thirty (30) days.

Section VII.04 To become effective the proposed amendment shall receive an affirmative vote of a two-thirds majority of the Board of Directors.

The approved Constitution will be made available to Active Members.

Article VIII. Miscellaneous Provisions

Section VIII.01 No part of the net earnings of the Illinois Section shall inure to the benefit of any private shareholder or individual and the Illinois Section shall not participate in, or intervene in (including the publishing or distributing of statements), any political campaign on behalf of any candidate for public office.

Section VIII.02 Upon dissolution of the Illinois Section, the assets remaining after the payment of the debts of the Illinois section shall be distributed to such entities that qualify under the provisions of Section (c)(3) of the Internal Revenue Code, as they now exist or as they may hereafter be amended, as the Board of Directors shall have designated and in the absence of such designation shall be conveyed to the Society.



Getting the Most Out of Your Involvement in the Illinois Section

By William J. Cussen, P.E.

When I first started thinking about getting involved with the Illinois Section of ASCE, I asked my boss at the time for his thoughts on the matter. He responded, “If you join the section, the company will expect you to be actively involved with section activities.” I spent the next year thinking about that statement. I began attending the Urban Planning and Development Group meetings to get an understanding of what the group was about, what activities they supported, and how active the various group members were.

It is important to remember that membership in the Illinois Section of ASCE is not just an item to add to your resume. In order to get the most out of your time commitment you have to be involved with some of the committees that are available to participate in and work your way up to a leadership role on a committee that interests you.

It is important to remember that membership in the Illinois Section of ASCE is not just an item to add to your resume. In order to get the

most out of your time commitment you have to be involved with some of the committees that are available to participate in and work your way up to a leadership role on a committee that interests you. We are extremely busy, and it is important to be respectful of the commitment everyone else has made to being an active member within the Illinois Section. You need to be engaged with the group, by getting to know some of the other members as well as the members of any committees you may be on, and attend the events of the committees you are a member of and some of the other committee events and section events.

Often, I hear of companies not supporting individuals being active in the Illinois Section because they do not see the value in the organization. Specifically, some companies do not see it as a means of interacting with possible clients. This assumption is not necessarily true. In my 13 years participation with the Illinois Section, I have made numerous contacts that have proven to be beneficial. While none of them can be considered as repeat clients, I have been referred work by them and have even recommended them being a part of a specific project team in order to speed the project along. Whether for a specific area of expertise, or specific knowledge of a certain agency, in all cases, contacts made as a result of involvement with the Illinois Section have proven

valuable in getting projects completed. The contacts you make will help you assist current clients in getting projects completed and permitted on time.

Active membership and participation in the Illinois Section will reward you with contacts that at some point will prove beneficial. The rewards are not necessarily always direct, but you can assist a client or project get to the end in a timely and beneficial manner. This could also lead to future opportunities with an existing client, and also increase the trust in you from that client.

ASCE supports the individual engineer and helps protect the licenses of all of us who practice engineering.

It is important to remember that ASCE is a group for the individual engineer and not necessarily the companies or firms they work for. ASCE supports the individual engineer and helps protect the licenses of all of us who practice engineering.

William Cussen, P.E. is a Civil Design Manager at GSG Consultants. He currently serves as the Chair of the ASCE Illinois Section Urban Planning & Development (UP&D) Institute.

ASCE Region 3 Update

By Carl C. Sutter, P.E., F.ASCE

Greetings, Illinois Section! Life is good. As I write this, the Cubs are in first place and there is still a chance we will see spring weather prior to June.

Board approves Committee on Advancing the Profession reorganization

Implementation of the ASCE strategic plan, with its focus on member value, is permeating Society operations. A reorganization of the Society's Committee on Advancing the Profession to align with the strategic plan was approved at the March Board of Direction meeting. The revamp includes a new advisory council focused on diversity and inclusion issues that will advise the Board, replacing the previous Committee on Diversity and Inclusion.

The Industry Leaders Council (ILC) explored how to move past emphasizing safety to ways to implement and measure it,

including a plan to be rolled out at this fall's ASCE Convention. In addition, ILC also received updates on the Grand Challenge and its related Innovation Contest.

The Board has approved continued development of Future World Vision, an incredibly forward-thinking initiative that will help civil engineers visualize the challenges they will have to face in the decades ahead.

Industry Leaders Council elevates safety, resilience, and ethics

The Society's initiative Raise the Bar has been rebranded as Engineer Tomorrow. This is our longtime initiative to encourage additional education and training to make civil engineers better prepared to meet the evolving demands of the future. Over time, shifts in the program's emphasis and strategy have added other enhanced experience such as mentoring, and eliminated the focus on changes to licensure requirements.

Lastly, I want to invite and encourage you to attend our Region 3 Assembly to be held July 19-20 in Green Bay, WI. In addition to presentations on ASCE resources, we will hear about the State of the Society from President

Region 3 Assembly to be held in Green Bay, WI in July

Robin Kemper along with continued ethics presentations. Our regional theme this year is Great Lakes Water: its history, use, and future policy considerations. It should be an educational and fun event. I hope to see you there.

Carl C. Sutter, P.E., F.ASCE is a Senior Vice President of the Environment and Infrastructure Division at McMahon Associates in Neenah, WI. Carl is an ASCE Region 3 Director and a member of the Wisconsin Section. He represented ASCE at the March 15 Board meeting in Arlington, Virginia, which coincided with the Legislative Fly-In.

How Two Engineers Designed and Maintained their Careers in Chicago

(continued from page 1)

Q. What are your daily success habits?

A. Bowman: I would get up early to go to the gym, have a cup of

coffee and go over the mail and the bank accounts. Personally, I just got up and walked around the office and talked to people. I would find out what's going on, what

they're doing and what can I do to help them.

Barrett: Take notes and check daily as to what projects may be (continued on page 10)

2019-2020 ASCE IL Section Leadership Ballot Announcement

By John G. Green, Ph.D., P.E., ASCE IL Section President

The Nominating Committee has met, and I am happy to announce the nominees for the Illinois Section ASCE Executive Board for the coming year. Per our Bylaws, the recommendations of the nominating committee are being filed in this Newsletter, a minimum of three months prior to our Annual Awards Dinner on October 02, 2019. This is period of time is to give all members of the Section time to review the list and file additional nomination(s), which must be sent directly to the Secretary of the Illinois Section no later than August 1, 2019. The additional nomination(s) must include a petition signed by not

less than 15 Active (dues paying) Members of the IL Section. If there are no petitions filed for additional nominations by August 1st, the ASCE Board will vote on the ballot named below. If there are petitions, the ASCE Board will include validated nominees in discussions and voting. The nominees will be ratified by the ASCE IL Section Board at the August 5, 2019 meeting, and an email will be sent to the membership for a 30-day review period prior to the Annual Awards Dinner. If you have any questions regarding this process, please contact me at johnggreen@hotmail.com.

IL Section Ballot (2019-2020)

President - Megan A. McDonald, P.E., LEED AP

Past President - John G. Green, Ph.D., P.E.

President-Elect - Brian Pawula, P.E., PMP

Treasurer - Sandra Homola, P.E.

Secretary - Andrew D. Walton, P.E.

Directors to 2020 - Monica Crinion, P.E., Matthew Kirby, P.E., Kris Salvatera, P.E.

Directors to 2021 - Megan Elberts, P.E., Thomas Janicke, P.E., Anne Marie Jensen, P.E.

Institute Chairs - To be determined by Institutes; not subject to IL Section Bylaws.

How Two Engineers Designed and Maintained their Careers in Chicago

(continued from page 9)

available and try to win some! Oh, and a glass of orange juice. I always have a glass of OJ in the morning.

Q. What mistakes have you made along the way?

A. Bowman: I don't know how to quantify that; I probably made

every one in the book along the way. We grew very fast at the outset. The biggest mistake that people make is to be over committed and to not be able to give the clients the proper attention that they deserve - whether they are small or large. At the onset of business, we had a lot of work and to staff that properly became

difficult, but somehow, we managed.

Barrett: I did not keep up on the electronic changes that have taken place in communication. I've always enjoyed face-to-face meetings or phone calls. Once the industry made the switch to predominately email, I felt it was (continued on page 11)

How Two Engineers Designed and Maintained their Careers in Chicago

(continued from page 10)

harder to maintain those relationships with clients.

Q. What was the hardest decision you ever had to make?

A. Bowman: Ha-ha... I don't even know how to answer that. Let me just say one thing about decision making: If you want to do something in life, whatever decision you make is the right decision. Once you make it, it's the right decision, don't second guess yourself. Don't go back and try to correct it.

Barrett: The hardest decisions seem to involve people. You want to see everyone succeed and stay with you. If someone leaves, you wonder how we could have matched their goals with ours.

Q. What is the best advice you can give to today's aspiring civil/structural engineers?

A. Bowman: That's a simple one - enjoy what you do! To tell you truthfully, when I get up in the morning I am always thinking about how to solve a problem. Ultimately, we're problem solvers. If you like solving a challenge, you've chosen the right career.

Barrett: I always encouraged my employee to get their licenses - P.E., S.E., and Survey. I had and frankly still have a list of the employees at BB&A (now Chicago's Gannett Fleming, Inc. office) and their status in the application process. I would check-in on them routinely to make sure they could obtain those licenses as soon as possible. It mattered to the company and most

importantly to the development of the employee.

Never look past the importance of getting to know clients by their association in professional societies like ASCE, AWS, ASTM, AREMA and other organizations. We encouraged our staff to attend their meetings, discuss new projects, and overall build those relationships.

Q. If you could start all over again, what would you do differently?

A. Bowman: Who knows? One thing that I would do differently, I worked until I was almost 90. I would have quit about six years sooner and turned it over. My ability to pass the baton to the younger group wasn't nearly what it should have been. My succession plan was not well thought out. With the advent of computers, everything is computerized now. I am computer literate to a point but not like the younger people. I should have got out a few years ago and a lot of the young people will tell you that.

Barrett: I would start my company earlier in life when you have more energy. As a father of 6 children, 14 grandchildren and 8 great-grandchildren you can imagine I'm a little busy with the family.

Q. What's one change that you would make right now to help the next generation of engineers to become successful in their profession?

A. Bowman: The best thing to do is to learn your profession. The young people need to know why and not just how. I have attended a few lectures on that. When I started this career back in the 1950s, my father encouraged me to continually learn. Learning makes you better at how.

The best thing to do is learn your profession. The young people need to know why and not just how.

Barrett: I would encourage them to get involved in ASCE, ACI, AREMA, and other professional societies. The world of structures is constantly changing and we, the engineers, need to be ready to participate. You should always look to learn and grow your relationships with people. The best way I found to do that is by getting involved.

Q. Now that you are retired, tell us about your hobbies that you enjoy doing & your upcoming travel plans.

A. Bowman: Travel the world at age 90 now!? I have been to the Galapagos Islands, Rio de Janeiro, North Africa, Middle East, Eastern and Western Europe. I will never (continued on page 12)

How Two Engineers Designed and Maintained their Careers in Chicago

(continued from page 11)

make it to the Taj Mahal. Instead, I enjoy my four grandkids. They are outstanding and are high achievers. As for hobbies, I don't have any hobbies. My job was my hobby. I've always enjoyed engineering and I'd work six days a week on company business in the office and on Sunday, I would still think about work

Barrett: It's only been 5 months! My answer: not defined at this date. I'll be spending time at my summer house, reading books on history, and spending time with the family. I think that will keep me plenty busy.

Interviewee Bios

John E. Barrett, PE, SE served as the Vice Chairman of the organization before global infrastructure and engineering firm Gannett Fleming Inc acquired BB&A in December 2019. With over 60 years of experience, he has earned accolades for his innovative and effective approach to railroad bridge design projects. Known as an authority on structural issues, Barrett is highly regarded in the industry for his knowledge and expertise. Mr. Barrett earned a BSCE degree from the University of Illinois and is a member of the University of Illinois Alumni Association. He was instrumental in establishing the Bowman, Barrett & Associates Outstanding Scholar Award. He is a member of the U of I President's

Council; a past Director of the U of I Civil Engineering Alumni Association; Chairman of the U of I Alumni Teaching Fellowship Program; and is also participating in the University's Civil Engineering Student Mentor Program. He was also awarded the U of I Distinguished Alumnus Award in 1995. Mr. Barrett was actively involved with many industry organizations and committees, including: SEAOL, AREMA (Past Chairman, Life Member and Member Emeritus Committee 15, Steel Structures; Member, Committee 9, Seismic Design for Railway Structures), AISC, ASCE (Life Member), ASTM, AWS, NSPE, and is a past Member, Board of Directors for University of Illinois Civil Engineering Alumni Association. In 2010, Mr. Barrett was awarded SEAOL'S John F Palmer Award.

Louis Bowman, PE earned a BSCE degree from the University of Illinois and was actively involved in giving back to the Civil Engineer Department. Over the course of his 60-year career Mr. Bowman has worked on major highway, rail, and airport projects throughout the Midwest, including major interstates in Illinois, Wisconsin, Michigan and Indiana. His accomplishments include project management for design and construction of the Illinois Center infrastructure in downtown Chicago, the C&NW Intermodal Rail Yard at 24th and Western, the relocation of

the portion of Lake Shore Drive from the Chicago River to Monroe Street, and the ongoing \$6.6 billion O'Hare Modernization Program.

Notable affiliations include: Fellow and Life Member of the American Society of Civil Engineers (ASCE); Member of the Board of Directors and Past President of the American Road and Transportation Builders Association's (ARTBA) Planning and Design Division; Past Chairman of the Illinois Road and Transportation Builders Association's (IRTBA) Planning and Design Division; and Member of the American Council of Engineering Companies of Illinois (ACEC-IL). Other awards include ASCE-IL 2006 Civil Engineer of the Year, 2008 March of Dimes Transportation Award, the 2008 ARTBA Leadership Award, and the 2009 University of Illinois Civil Engineering Alumni Association Distinguished Alumni Award. He was also recently inducted into the Ottawa Township High School Hall of Fame.

Interviewer Bios

Colleen Miller is a Business Development & Proposal Manager at Gannett Fleming and **Steve Rienks** is the Director of Engineering at American Surveying & Engineering. They are both actively involved in the ASCE Illinois Section Transportation & Development Institute (T&DI).

ASCE IL Section 2019 Awards: Time for Nominations

By Sandra Homola, P.E., CFM and Rachael Berthiaume, P.E., LEED AP

It's time to nominate your peers, projects, and firms for their contributions to civil engineering and our Society. The Illinois Section of ASCE needs your help in identifying and recognizing qualified individuals, projects, firms, and agencies. The award winners will be acknowledged during our Annual Awards Dinner taking place on October 2, 2019 at the Art Institute of Chicago, Modern Wing.



HOW TO NOMINATE?

Information on award requirements, nomination forms, and complete nomination instructions can be found on our website www.isasce.org/awards.

Nominations for all 2019 awards are **due by July 19, 2019**.

Please submit the original nomination(s) to Sarah Harbaugh, IS-ASCE, 35W749 Bluff Drive, St. Charles, Illinois 60175 AND a pdf of the nomination packet electronically to illinoissection@isasce.org. Any questions can be emailed to Sandra Homola at Sandra.homola@exp.com

IL Section Award recipients are eligible to be nominated by the Section to become candidates for the 2019 ASCE National Awards Program.

WHAT ARE THE AWARD CATEGORIES?

Outstanding Civil Engineering Achievement Award

- Recognizes outstanding projects that contribute to civil engineering progress and to society.
- Project must have been completed by the end of 2018.
- Four project size categories available.



2018 Outstanding Civil Engineering Achievement Award Winner: MWRD's Chicagoland Underflow Plan – McCook Reservoir

Sustainability in Civil Engineering Achievement Award

- Recognizes creativity in the form of innovative sustainability.

- Must demonstrate adherence to the principles of economic, social, and environmental sustainability.
- Projects must have been constructed by the end of 2018

Civil Engineer of the Year

- Recognizes an outstanding registered professional engineer employed in the private sector.
- Individual has made contributions to society through:
 - Extraordinary professional conduct in a specific instance, or
 - Having an established reputation for professional service.

Young Civil Engineer of the Year

- Recognizes an outstanding young civil engineer who is employed in the private sector.
- Individual must have EIT or PE registration and be under 35 years old as of February 1, 2019.
- This candidate must have gained significant professional achievement through:
 - Advancement of the profession
 - Evidence of technical competence(continued on page 14)

ASCE IL Section 2019 Awards: Time for Nominations

(continued from page 13)

- High character and integrity, and
- Contribution to public service.

Government Civil Engineer of the Year

- Recognizes an outstanding registered professional civil engineer employed in public service.
- Individual must demonstrate contributions to society through:
 - Sustained outstanding civil engineering performance in the public sector, and
 - High character and professional integrity.

Young Government Civil Engineer of the Year

- Recognizes an outstanding young civil engineer who is employed in the public sector.
- Individual must have EIT or PE registration and be under 35 years old as of February 1, 2019.
- This person has shown excellent performance and demonstrated leadership potential in the public sector, evidence of high character, and professional integrity.

Citizen Engineer of the Year

- Recognizes an individual who has made volunteer efforts that better our world in such areas as:
 - Local or national legislation,
 - Education at all levels,
 - Non-profit volunteer organizations,
 - Community activities, or other similar activities.



2018 Outstanding Civil Engineering Achievement Award Winner:
CTA's Wilson Station Reconstruction

Public Involvement Award

- Recognizes a member or group which has made volunteer efforts that better our world in such areas as:
 - Local/national legislation,
 - Education at all levels,
 - Non-profit volunteer organizations,
 - And community activities.

Public Sector Employer Recognition Award

- This award will be presented to a public sector employer who encourages their engineers to actively participate in ASCE.

Private Sector Employer Recognition Award

- This award will be presented to a private sector employer that encourages their engineers to actively participate in ASCE.

For additional information and more in-depth award criteria, please go to the IS-ASCE's website – www.isasce.org/awards.

Sandra Homola, P.E., CFM, EXP US Services is the Department Manager of Water Resources at EXP US Services specializing in drainage, floodplain, and stormwater management for a variety of projects. She serves as a Director of the IS-ASCE to 2019 and Awards Committee Chair.

Rachael Berthiaume, P.E., LEED AP, V3 Companies is an Environmental Engineer and Project Manager at V3 Companies, Ltd. specializing in environmental risk evaluation and regulatory cleanups. She serves as an Awards Committee Member and former Director of IS-ASCE.

Summer 2019

In an effort to inform Illinois Section members of the discussions at monthly Board meetings, the Section Secretary contributes this article to the newsletter. Any questions or comments on the Board activities are welcome by contacting Andrew Walton at awalton@ori-onengineersllc.com.

■ Treasurer's Report

▲ A treasurer's report was presented at the March, April, and May 2019 meetings. All reports were approved.

■ Highlights from Illinois Section Activities and Group Reports.

▲ **2019 President-Elect / Spring Scholarship Dinner** – The 2019 ASCE IL Section President-Elect / Spring Scholarship Dinner was held Wednesday 4/17/2019 at Maggiano's (Chicago) located at 2516 N. Clark St., Chicago, IL 60654. Highlights from this year's event included ASCE National President-Elect K.N. "Guna" Gunalan's visit to the UIC ASCE Student Chapter and Engineering Labs, a Raising Awareness on Inclusion, Diversity, and Equity (RAIDE) event to highlight ASCE Canon 8 - Treat All Persons Fairly, The Order of the Engineer Ceremony, and over \$12,000 worth of scholarships presented to graduate and undergraduate students from NU, UIC, and IIT. Please contact IL Section President-Elect Megan McDonald with any questions about this event at megan.mcdonald@clarkdietz.com.

▲ **2019 IL Legislative Drive-Down** – In conjunction with TFIC and ACEC-IL, members from the ASCE IL Section participated in a lobbying effort at the Illinois State capital building in Springfield, IL on Wednesday 4/3 to educate and reinforce to our legislators the need for a capital bill with sustainable infrastructure funding, among other industry issues. For more information about the 2019 Legislative Drive-Down, please contact IL Section Past-President Patrick Lach at plach@heyassoc.com.

▲ **2019 Annual Awards Dinner** – The 2019 ASCE IL Section Annual Awards Dinner will be held on Wednesday 10/2/2019 at The Art Institute of Chicago (Modern Wing) located at 159 E. Monroe St., Chicago, IL 60603. More information will be forthcoming, but please save the date for this event.

▲ **ASCE Great Lakes Student Conference** – Each April, the schools from the GLSC region come together to compete in a set of Civil Engineering-based competitions. The ASCE student chapters of UIC, IIT, and NU all participated in the 2019 ASCE Great Lakes Student Conference held at Valparaiso University from Thursday 4/11/2019 thru Saturday 4/13/2019. Next year's competition will be held in Madison, WI.

▲ **Special Events Outside Chicagoland Region** – The IL Section UP&D and Special Events Committees are interested in planning future event(s) outside of the Chicagoland region where most

Section events are held. A potential location is in IDOT District 3, with a representative from IDOT Region 2 in attendance. Other locations discussed include Ottawa, Rockford, and East Dubuque, among others. If you are an IL Section member residing near one of these population centers and would be interested in helping to organize an event in your area, please contact IL Section President John Green at johnngreen@hotmail.com.

▲ **Region 3 Update** – The IL Section endorses Past-President and longtime member John C. Lazzara, P.E., ENV SP, M.ASCE, for the position of Region 3 Governor. John will represent the Region with the same exemplary leadership he provided as President. ASCE elections are open online now thru Monday 6/3/2019. For more information about the ASCE elections, including official nominee bios, please see the following webpage:

<https://www.asce.org/elections/>.

For more information about ASCE Region 3 and activities within the Region, please contact current Region 3 Governor Darren Olson at dolson@cbbel.com.

▲ **Mentorship Program** – The 2018-2019 Mentorship Program kicked off in November 2018 and concluded at the 2019 President-Elect / Spring Scholarship Dinner. Over 40 program participants made up the more than 20 mentor/protégé pairs. Participants were (continued on page 16)

News & Secretary Report

(continued from page 15)

to attend and log a minimum of 3 professional events or activities together. For information or questions about next year's Mentorship Program, please contact the ASCE IL Section Student Outreach Committee at stoutcommittee@gmail.com.

▲ **ASCE Resume Book** – The IL Section has published the 2019 Student Resume Book, available to all Section members. For a copy of the 2019 Student Resume Book, please contact the ASCE IL Section Student Outreach Committee Chair, Taylor Leahy at leahyt@cdmsmith.com.

▲ **IL Section Website Updates** – Please check out the IL Section's webpage (www.isasce.org), which has been updated to include the 2019 Scholarship Applications, listing of current board members, fixing broken links, and other miscellaneous updates.

▲ **ASCE Bylaws Update** – The ASCE IL Section has been updating the Constitution, Bylaws, and Manual of Operations over the past few months. The updates will be made available on the IL Section website to Section members for a 30-day review period. The new Construction Institute (CI) will be added to the Bylaws, among other revisions.

▲ **ASCE Younger Member Leadership Symposia** – The ASCE Younger Member Leadership Symposia will be held at ASCE Headquarters in Reston, VA. Participants can attend one of the three weekend workshops that are being held in July and August 2019. For more information about the ASCE Younger Member Leadership

Symposia, please refer to the following webpage:

<https://www.asce.org/event/2019/younger-member-leadership-symposia/>

▲ **Construction Institute (CI)** – The Illinois Section's Construction Institute (CI) will be hosting a series of events focusing on technology in construction projects. The next event will be held on Thursday 6/20/2019 at Pazzos 311 in Chicago, IL. For more information or if you're interested in joining this institute, please contact CI Chair Zach Pucel at zjpucel@transys-tems.com.

▲ **Environmental & Water Resources Institute (EWRI)** – Save the date for the upcoming EWRI Summer Social event in Chicago's West Loop, scheduled for Tuesday 7/9/2019. Please contact EWRI Chair Megan Elberts with any questions at melberts@geconsultllc.com.

▲ **Geo-Institute (GI)** – The GI's 2019 Lecture Series continues with "Case Studies and Lessons in Geotechnical Engineering" on Friday 5/10/2019 at the Doubletree by Hilton Chicago-Oak Brook in Oak Brook, IL. Please contact GI Chair Brandon Hughes with any questions at bhughes@thatcherfoundations.com.

▲ **Structural Engineering Institute (SEI)** – The SEI's Biennial Lecture Series concluded with Session 4 on Wednesday 4/17/2019 with Andrew Keaschall (Benesch) discussing the I-74 over the Mississippi River bridge and Greg Stukel (ISTHA) speaking on How to be a Successful Contractor/Consultant. Upcoming SEI activities include Bridge Inspection

Refresher Training from Tuesday 6/4/2019 thru Thursday 6/6/2019, SEI Standards Lecture on ASCE 7-16 Wind Loads on Wednesday 6/5/2019, and a summer field trip to US Steel Works Plant in Gary, IN on Friday 7/19/2019. For more information on SEI activities, or if you have any questions, please contact SEI Chair Tom Janicke at tjanicke@benesch.com.

▲ **Transportation & Development Institute (T&DI)** – The upcoming June luncheon will feature a panel of experts involved with the Chicago Region Environmental and Transportation Efficiency (CREATE) Program at the Maggiano's in Chicago, IL on Thursday 6/27/2019. Please contact T&DI Chair Nihar Shah for more information or for any questions at nshah@rme-i.com.

▲ **Urban Planning & Development Group (UP&D)** – The UP&D is looking for new members. If you're interested in joining this group, please contact UP&D Chair Bill Cussen at wucusen@gsg-consultants.com.

The Illinois Section Board Meetings are held every first Monday of the month, except for holidays. The next board meeting is scheduled for July 1, 2019 at 5:30pm at Clark Dietz's office located at 118 S. Clinton Street, Suite 700, Chicago, IL 60661. If you are interested in attending these meetings, please contact President John Green at johnngreen@hotmail.com.

By Andrew Walton, PE
ASCE IL Section Secretary 2018-2020
awalton@orionengineersllc.com

Illinois Section

Activities

ASCE IL Section EWRI Board Meeting

Date: Tuesday, June 11
Time: 4:30pm
Place: Horner and Shifrin
8755 W. Higgins Road.,
#325
Chicago, IL 60631

Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering (EGRWSE 2019) Conference

Date: June 16-20
Conference website:
<http://serl.lab.uic.edu/egrwse-2019/>

ASCE IL Section Construction-Institute June Dinner Meeting

Topic: Technology in Construction
Date: Thursday, June 20
Time: 5:30-8:00pm
Place: Pazzos
311 Wacker Drive
Chicago, IL
RSVP: [Registration Link](#)
Contact: Zach Pucel, zpu-cel@transystems.com,
847-636-3156
[Event Flyer](#)

ASCE IL Section T&DI June Technical Luncheon

Topic: "CREATE Program Panel Discussion"
Date: Thursday, June 27
Time: 11:30am - 1:15pm
Place: Maggiano's Downtown
Chicago
516 North Clark Street
Chicago, IL 60654
Cost: \$50-Members
\$60-General
\$35-Government
\$25-Student
\$100 Bronze Level

(Includes 1 seat)
\$200 Silver Level
(Includes 2 seats)
\$350 Gold Level
(Includes 4 seats-half table)
\$550 Gold Level
(Includes 8 seats-full table)

Lunch will be provided and attendees receive 1 PDH credit.
RSVP: [Register here](#) – Regular
(May 7 – June 24)

ASCE IL Section EWRI Summer Social

Date: Tuesday, July 9
Time: 5:30pm
Place: Parlor West Loop
108 N. Green Street
Chicago, IL 60607
RSVP: Saki.Handa@mottmac.com
by July 2

ASCE IL Section T&DI Board Meeting

Date: Wednesday, July 10
Time: 5:30 – 6:30pm
Place: Ghafari Associates LLC
122 S. Michigan Avenue.,
Suite 1500
Chicago, IL 60603
RSVP: Nihar Shah,
NShah@RME-i.com

ASCE IL Section UP&DG July Meeting

Date: Thursday, July 18
Time: 5:30pm
Place: Chandlers
401 N. Roselle Road
Schaumburg, IL
RSVP: Bill Cussen: wcus-sen@gsg-consultants.com; 630-529-8000

ASCE IL Section 2019 Award Nominations Due

Date: Friday, July 19

Information on award requirements, nomination forms, and complete nomination instructions can be found on our website www.isasce.org/awards.

ASCE IL Section SEI Summer Field Trip

Date: Friday, July 19
Time: 9:00am – 12:00pm
Place: USS Gary Works Plant
RSVP: [Registration Link](#)
Contact: Alejandro Keller,
akeller@hwlochner.com
[Event Flyer](#)

ASCE T&DI International Airfield & Highway Pavements Conference

Date: July 21-24
Place: Holiday Inn Chicago Mart
Plaza River North
RSVP: [Register here](#)
<https://www.pavementsconference.org/>

ASCE IL Section 2019 Annual Awards Dinner – SAVE THE DATE

Date: Wednesday, October 2
Place: Art Institute of Chicago
Modern Wing
[Save the Date Flyer](#)

ASCE IL Section Construction Institute Claims Avoidance and Resolution Full Day Seminar – SAVE THE DATE

Date: Friday, October 25

For all Section, Group and Committee events, check out the Section website at:

www.isasce.org/calendar/

REACH NEW HEIGHTS IN PROJECT MANAGEMENT AND EXECUTIVE-LEVEL LEADERSHIP.

Enhance your skills and fine-tune the leadership strategies necessary to **differentiate yourself** and **become a well-rounded leader** in the construction or civil and environmental engineering space.

Northwestern
**McCORMICK SCHOOL
OF ENGINEERING**



MS in Executive Management for Design and Construction

Enhance your solid experience in the design and construction industry by developing the strategic competencies necessary for senior-level leadership positions.

Available exclusively online.

LEARN MORE:
emdc.northwestern.edu/asce



Master of Project Management

Accelerate your career in project management with the degree specifically designed for professionals seeking leadership roles in the construction, operation, and management of major civil and environmental engineering projects.

Available part- and full-time.

LEARN MORE:
mpm.northwestern.edu/asce