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## Capital Improvement Plans

Capital Improvement Plans are utilized to create a systematic process for organizing community improvements that both require and prioritize the needs of budget, communication, and prioritization.

Capital Improvement Plans are used for the purchase of major equipment, acquisition of land, constructed improvements, and prior engineering (including studies and design).

The Capital Improvement Plan (CIP) is normally formulated based on political promises, community needs, community demands, or as a means of utilizing found money without utilizing a referendum.

The CIP is prepared so that prerequisites have time to be addressed, the community has a sense of what to expect, there can an avoidance of special assessments or unnecessary debt, and so that there can be an "acceptable" balance of public improvement with the community's financial resources.

Projects or purchases are ranked, a plan to finance them is established, a schedule is assigned, a justification becomes the preamble, and the expenditures are assigned to a classification.

Every community that has a diverse and complex system of infrastructure, population, and expectations for growth creates, adopts, and executes Capital Improvement Plans.

On Wednesday, April 20, 2022, at 12 o'clock noon, the City Engineers from Bettendorf, Davenport, and Moline will be presenting their City's Capital Improvement Plans for this fiscal year. Please join us.

## President's Message

In the last newsletter, we discussed ASCE's updated Code of Ethics structured around five groupings - Society, Natural and Built Environment, Profession, Client and Employers, and Peers. That newsletter focused on the Profession grouping. We also discussed several similar planks that are included in multiple groupings:

Profession - f. educate the public on the role of civil engineering in society;

Society— e. endeavor to be of service in civic affairs,

Peers – f. Encourage and enable the education and development of other engineers and prospective members of the profession.

Combined a summary statement might read (as a mandate to us)

***Educate others on our profession through public outreach and civic service, especially future engineering professionals.***

Why should ASCE and our profession place so much focus on these areas to have three similar planks in three separate areas?

I don't have the teacher's key to the answers but here are some thoughts –

Engineering as a profession has mixed respect. In some countries, engineering is considered a very highly regarded and noble profession with much respect conveyed to titled engineers. In other countries such as the United States, engineering has generally not been accorded comparable respect of other professions such as medical doctors and lawyers. Also in this country the term engineer is broad and poorly understood by the general public. Look at how many job classifications have adopted engineer in their title for generally self-serving interests even though the work performed doesn't require an engineering degree, license, or even applies engineering principles.

My belief is that the focus on public education is in defense of our profession looking to prevent degradation of the profession, foster respect of engineering professionals, and to create awareness of what engineers do. Maintaining and enhancing the stature of the Civil Engineering Profession in society is the overarching objective.

This newsletter highlights some of the activities our Section and its members have been undertaking in line with our education mandate. Activities include scholarships for aspiring engineering students, battle of the bridges and other STEM outreach activities. Hats off to those that stepped up and became involved. While involvement takes effort and energy, the rewards are high for everyone involved.

Let us know if you want to get involved with any of these noble endeavors or have other ideas on how our Section can carry out our education mandate. We will get you plugged in!

Remember *be professional, conduct yourself with integrity, be fair, and foster the profession*



Calendar and Upcoming Events

The Quad City Section leadership is working on a full slate of section meetings and tours to advance our members and the profession. The following Section calendar indicates activities currently in planning.

Date	Time	Topic	Speakers	Location
April 20, 2022	12 Noon to 1:00 PM	Area Capital Improvement Plans	Associated City Engineers	TEAMS Virtual Presentation
May 18, 2022	5:30 PM to 6:30 PM	West Lake WWTP	Roger Kean	6755 Telegraph Road Casual get together at El Compita to follow
June, 2022				TEAMS Virtual Presentation
July 20, 2022	12 Noon to 1:00 PM	What Does the Creek Data tell us?	Partners of Scott County Watersheds	TEAMS Virtual Presentation



ASCE volunteers at this year's Battle of the Bridges, held March 4-5th at The Putnam Museum, included Blair McDonald, Vanessa Haberman and Eric Johnson in the picture; Bill Ashton and Rick Nickles also volunteered during the event. Forty eight teams of up to four members from local elementary, middle and high schools, as well as family teams competed. Results and event pictures are posted on QCESC's website

In order to reduce expenses, the Quad City Section sends its newsletters in electronic format only. If you are aware of a fellow Quad City Section Member that does not receive the newsletter, it means that ASCE National does not have their email address. To receive the newsletter, members must keep their email information current by contacting ASCE at 800.548.2723 or by visiting the Members Only section of the ASCE website at <http://www.asce.org/membersonly>. The Quad City Section does not sell email information to anyone. ASCE's Privacy Statement is available on the ASCE website.

### **ASCE SCHOLARSHIP RECIPIENTS**



Keval Wagher grew up in the woods and continues to be inspired by nature. He is a senior at Pleasant Valley High School, where he has taken AP, Honors, and PLTW classes while maintaining a 4.427 GPA. He scored a 35 on the ACT and is also dual enrolled at Scott Community College. In addition, he is on the President's List. Through engineering classes at school, he achieved the Most Innovative Trebuchet Design at the 2021 QCESC Trebuchet Egg Throw and second place overall at the 2021 QCESC Battle of the Bridges.

Outside of school, Keval rows for the Y Quad Cities Rowing Association, with numerous achievements at national regattas such as a gold and silver medal at the 2021 Head of the Hooch and a bronze medal in the U23 Lightweight Double at the 2021 USRowing Summer National Championships. He plans to continue rowing in college.

Aspiration: Keval hopes to use his education to tackle issues presented by increasing population and climate change using bio-inspired design.



Tyson Spicer is a senior at Central DeWitt High School with a 4.0 GPA. Ranked 1st in his class on an unweighted scale, he has challenged himself during his high school career by taking both AP and honors classes as well as college courses to prepare himself for the future. A four-year participant on his school's speech team, he has earned an All-state nomination for spontaneous speaking. He is also the managing editor of "The Scribbler," his school's literary magazine which seeks out student works to give a voice to those who might not otherwise have one. It is the only magazine in the state to receive a "superior" rating from the National Council of English Teachers. He also is a member of the Camanche-DeWitt Coalition, an organization that seeks to assist students and schools in drug-prevention. He plans to major in civil engineering at Iowa State with a possible minor in environmental engineering.

Aspiration: Tyson plans on utilizing his future degree to both develop and improve rural transportation infrastructure, especially during natural disasters such as blizzards and tornadoes. Having a family who farms, he wishes to prevent the struggles they face as a result of such weather. He also wishes to help move the industry into an era where urban developments and the environment can coexist without any detriment to either.