



ASCE/AGC Meeting Summary

Week 8: Collins Engineers

March 1st, 2024

This meeting recap is intended to allow all ASCE/AGC members to stay up to date with the events that take place during our weekly meetings!

Announcements:

1. Join us next Friday, 3/8, from 12–1 p.m. in Marquez Hall 226 to hear from WJE Engineers.
2. PLEASE PAY YOUR DUES: \$10 a Semester
 - a. First Semester Members' Dues Waived
3. Please pick up your concrete hearts in Chauvenet 194
4. Networking/Social Hour on 3/28
 - a. Topgolf/Bowling: Scan the QR code if you are interested.



5. Follow us on Instagram: @asce.mines

Civil Engineering Fun Fact of the Week:

Concrete is well known for its greenhouse gas emissions from both its chemical processes and transportation involved with construction. The German architectural firm Sacker came up with a solution of using plastic “bubbles” to reduce the volume of concrete needed in a pour, which reduces both material cost and emissions. There is also an additional benefit from reduced structural load resulting from the concrete.



Today's Presenters: Collins Engineers

This week's presentation featured Mike Banasiak from Collins Engineers. He discussed his experience with inspecting bridges after the 2022 Montana floods. Below are some notes about what was shared:

- Fun fact: Collins Engineers is the first firm to have professional engineering divers who inspect bridges underwater.
- Collins Engineers conducted 45 underwater inspections over three months.
- Mark discussed his experience inspecting and removing a railroad bridge in Montana next to a highway immediately downstream.
- Military special forces requested to blow up the bridge for practice; however, a piece of shrapnel struck the neighboring highway bridge.

Thank you to our presenter, Mike Banasiak from Collins Engineers! If you have any questions, you can contact him via email at mbanasiak@collinsengr.com

Respectfully,

Andrew J. Hurter IV, ASCE-AGC Secretary, Spring 2024

Have any questions? Feel free to email Andrew Hurter at andrewhurter@mines.edu.