



ASCE/AGC Meeting Summary

Week 5: JR Engineering

February 10th, 2023

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. Thanks to all of you who made a concrete heart this Wednesday at Maple Plaza! If you haven't already, pick up your heart in Chauvenet 194.
2. ASCE regionals are coming up soon, at the Air Force Academy in Colorado Springs from April 20-22! If you are interested in learning more or participating, contact Ryan Irvine at ryanxirvine@mines.edu.
3. Join us next week (Friday 2/17) for a presentation about geotechnical work with Drill Tech Engineering.
4. Follow us on Instagram: @asce.mines



Civil Engineering Fun Fact of the Week:

A byproduct of rice farming are the inedible rice husks. Though they can be composted, the husks can be burned to produce ash, which can be added to concrete. Rice husk ash acts similarly to fly ash (a byproduct from coal burning) but it is a greener addition to concrete to strengthen the material.



Today's Presenters: Craig with JR Engineering

This week's presentation was about the work JR Engineering does, which mainly consists of surveying and land development. Some of the topics covered include:

- Topographic mapping through survey equipment and drones (accurate to 1cm!)
- Landscape architecture embedded within land development projects
- Water resources with floodplain engineering, culverts, and detention
- Traffic studies and roundabout design
- Land development, including housing projects

Thank you to our presenter, Craig Willett! If you have any questions about topics addressed or would like to reach out for more information, contact him at cwillett@jrengineering.com.

Enjoy your weekend!

Respectfully,

Riley Miller, ASCE-AGC Secretary, Spring 2023

Have any questions? Feel free to email me @ rmiller5@mines.edu.