



ASCE/AGC Meeting Summary

Week 12: WSP

March 29th, 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, 4/5, from 12–1 p.m. in Marquez Hall 226 to hear from Brinkmann Constructors.
2. PLEASE PAY YOUR DUES: \$10 a Semester
 - a. First Semester Members' Dues Waived
3. Officer elections for the Spring 2025 Semester are on 4/26. If you are interested in running, please contact Riley or Walter. The positions are listed below:
 - a. President
 - b. Vice President
 - c. Secretary
 - d. Treasurer
 - e. Connections
 - f. Outreach
 - g. Freshman Sophomore Rep
 - h. Historian
4. Follow us on Instagram: @asce.mines



Civil Engineering Fun Fact of the Week:

The Jeddah Tower is a skyscraper being built in Saudi Arabia. When completed, it will be the tallest skyscraper in the world, standing at 1 km tall. It will also be sustainable and built under the auspices of the architectural philosophy of Global Environmental Contextualism.



Today's Presenters: WSP

This week's presentation featured Melanie Monarco and Isaac Anthony from WSP. Melanie discussed her experience with the Transit and Rail Industry, and Isaac discussed his work on the Central I-70 section through Denver. Below are some notes about what was shared:

- The transit and rail industry has national guidance, not standards, and the railroad company chooses the specifications.
- 4'- 8.5" is the standard rail gauge in the United States, which was created from wagon wheel tracks, which were the precursor to modern train tracks.
- Melanie worked on part of the RTD transit network, installing a new station along with the LA Metro Expedition expansion, which required her to fit two light rail tracks through a tunnel designed for a single freight track.
- The I-70 lowering included 15 vehicle bridges, 3 rail bridges, and a four-acre cover on top of the newly lowered interstate.

Thank you to our presenters, Melanie Monarco and Isaac Anthony from WSP! If you have any questions, you can email them at melanie.monarco@wsp.com and isaac.anthony@wsp.com.

Respectfully,

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

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