Our Year by the Numbers!

2022-2023 School Year
102 Members
34 Student Participants @ Symposium
30 German Students hosted
23 Career Lunch Series
12 Exec Board Meetings
7 General Body Meetings
6 Benefit Nights
4 new Exec positions added
2 Community Service Projects
2 Career Fairs
1 National Competition competed in
1 National ASCE Convention Attended
1 Workshop for Student Chapter Leaders
1 Winning IM Softball Team
1 Golf Tournament Lost...
2023-2024 Exec Board

**President**  
Kate Wilson

**Vice-President**  
Celi Cotton

**Treasurer**  
Garrett Wise

**Secretary**  
Juliana Wood

**Member-at-Large**  
Lauren Flannely

**Safety Chair**  
Josh McLeod

**Social and Outreach Chair**  
Emily Walker

**Fundraising Chair**  
Camille Daugherty

**Symposium Chair**  
Ethan Lowrey
2022 ASCE National Surveying Competition

3rd place in Field Surveying Portion
ASCE Montgomery Branch Golf Tournament
WSCL

Brought 2 current Execs and 3 potential Exec Members

Auburn University & Georgia Tech ASCE
ACE Hardware Collaboration

Tool Demonstration workshop with local Ace Hardware

Planning on having more activities in the future
Pain in the Asphalt: IM Softball

4-0!
Finals start THIS week
THWS Student Visit

30+ Students Visited
2023 Gulf Coast Student Symposium
National Competitions

Concrete Canoe
5th Place

Surveying
8th Place

Sustainable Solutions
3rd Place
Concrete Canoe
Concrete Canoe
Concrete Canoe
Concrete Canoe
UESI Surveying
**Sustainable Solutions**

**ASCE Sustainable Solutions**

**Team:** Kate Wilson, Celi Cotton, Joshua Sanborn, Lauren Flannely, Emily Walker

**The Site Design**

The source of inspiration for our design is Alimentum in the University of Denver's Community Commons building. This building has a green roof, LEED silver certification, multiple stories, and classrooms. This building serves as an arena for campus residents to learn and grow as a community. Similar to designing this building, our design provides a site that is welcoming, sustainable, and transportable. Each element included in the site focuses on the promotion of healthy living and sustainability.

**Keeping It Sustainable**

The team's construction planning and decisions were primarily driven by maintaining a sustainable environment. Decisions were made with a major focus on potential air pollution and gas emissions. Solar panels were included on rooftops and buildings as a sustainable energy source. Bike lanes and rental stations were constructed in order to encourage transportation that does not contribute to air pollution. The community center created provides resources to educate and encourage more sustainable living within the community. Further, an existing brownfield was converted into an agro-park area with trees.

**Community Center Design**

Above all else, the team wanted the community center to bring together the community and neighboring districts. The design features two indoor floors and a rooftop garden. The first floor features a communal area with couches for studying and tables and interactive displays explaining the green roof above it. The second floor is an I-PASS theater with a built-to-classroom for children and adults alike. The rooftop garden also features a community compost to encourage self-sustainability. Products grown on the rooftop garden will be sold within the community and exported to neighboring districts.

**Plan View and Cross-Section View of Site**

**Benefits to the Community**

When designing the community, the goal was to increase the quality of life of the community members while keeping the site sustainable. With this in mind, additions such as the bike rental, permeable pavement parking lot, and emergency call boxes were included in the design. Education and health were also emphasized throughout the project as the new community center teaches sustainability, supplies ways to get involved in the community, and grows fresh produce to sell. One way that the community center asked people to get involved is by leading volunteers onto the local forest, where community members would take part in activities such as the seeding of invasive species.

**Multimodal Transportation Features**

While designing the roadway, the team considered such factors as traffic load, multimodal transportation, and ADA accessibility. The roadway itself remained largely unchanged to accommodate vehicle traffic, but both sidewalks and bike paths were added parallel to the roadway. Together, the sidewalks and bike path are 36 ft wide, with the sidewalk itself being 36 ft wide in order to meet ADA compliance standards. Both provide alternate commuting pathways for local residents and visitors to the area. This aids in sustainability and environmental protection efforts while also offering an efficient multi-modal transit system for the city.
Regional Competitions

Professional Paper
  4th Place
Mini-Prestressed Beam
  1st Place
Balsa Bridge
  3rd Place
GeoWall
  5th Place

Transportation
  2nd Place
Coastal
  1st Place
Mini-Rain Garden
  1st Place
Hank Aaron Smash
  3rd Place
Mini Prestressed Beam
Geotech Wall
Transportation

I-10 segment connecting Mobile & Baldwin Counties

Between Exit 25 and Exit 35
Current Segment = 9 miles, including George Wallace Tunnel & Jubilee Parkway Bridge

Current Year = 2021
Current LOS = E or F

Economic Feasibility

Recommend 6 Lanes
$2.7 Billion Cost

Funds

$625 million Federal Funds
$250 million State Funds
$1.1 billion in bonds

Tolls

$2.50 per passenger vehicle
Unlimited use option $40 per month
$158 for tractor trailers
Toll ends when total debt is paid
Coastal Protection
Mini-Rain Garden
Hank Aaron Smash
Spirit Competitions

Bead Toss
  5th Place

Tug-O-War
  9th Place

Community Service Video
  5th Place

Concrete Cornhole
  8th Place

2nd Line Umbrella
  5th Place
Tug-O-War
Community Service
Concrete Cornhole
Awards Banquet
Overall:

4th Place
War Eagle & Thankyou Questions?