Montgomery Branch Meeting
April 12, 2016
Outline

• Auburn ASCE Events
• Concrete Canoe Competition
• Steel Bridge Competition
• OutCELL Project
• Questions
2015-2016 Officers

President Whitney Shannon
Vice President Kelsey Doan
Secretary Heidi Schutzbach
Treasurer Davis Northcutt
Historian Lindsey Davenport
Canoe Captain Samantha Dixon
Steel Bridge Captain Veronica Ramirez

ASCE at Auburn University – Montgomery Branch Meeting – April 12, 2016
Faculty Advisor

Dr. Marshall
General Body Meetings

- Every other Thursday
- Davis 155
- 6:30 PM
Career Series Lunch

- Every Tuesday
  - Ramsay 314
  - 12:30 PM
Tailgates

- Most Home Games
- Harbert Lawn
Golf Tournament

• Hole-in-one contest
Community Service

- NSBE’s “A Walk for Education”
  - October 24
  - “Soils Magic” demonstrations
Community Service

• MathCounts
  • Columbus Technical College
Community Service

- E-Day
- February 26
- Gumdrop Bridges
Career Fairs

- Every Fall and Spring semester
  - Cost: $350 to attend 1 or $600 to attend both
  - AU Hotel and Conference Center
Young Alumni Panel and Social

ASCE at Auburn University – Montgomery Branch Meeting – April 12, 2016
Alabama Student ASCE Leadership Conference

- Hosted by UAB
- February 6
Pittsburgh WSCL

• Workshop for Student Chapter Leaders
  • February 12-13
  • Pittsburgh, PA
Auburn ASCE 2016-2017

• New officers with a new Constitution
  • New positions made for our chapter

• Auburn will be hosting the Alabama Student ASCE Leadership Conference
  • Date TBA

• Southeast Conference at FAU in Boca Raton, FL
  • March 17-18, 2017
Southeast Regional Conference

- Tuscaloosa, AL
- March 10-12
- Concrete Canoe
- Steel Bridge
- Small Competitions
Fiber Reinforced Beam

• Tested for flexure strength
• Portland Cement
• Must predict what load it will fail at.
• Score affected by amount of fiber in beam
Surveying

- Given state plane coordinates for 3 points.
- 2 points were marked, and the third had to be found.
- 30 minute time limit
- 3rd Place
Visual Display
T-Shirt
Concrete Canoe, *pegAUsus*
Concrete Canoe, *pegAUsus*
Concrete Canoe, *pegAUsus*
Concrete Canoe, pegAUsus
Steel Bridge (Before Conference)
Steel Bridge
(Before Conference)
Steel Bridge
(At Conference)
OutCELL Project Overview

- **OutCELL - Outdoor Civil Engineering Learning Lab**
  - Environmental, geotechnical, hydraulics, hydrology, materials, structural, and transportation engineering

- 2016 Service competition
  - First place finish

- Collaboration with City of Auburn
  - Saugahatchee Greenway-Blueway Project
Timeline

- November
  - Project decided on
  - Collaboration with City of Auburn established

- December
  - Plans drafted
  - Outreach to potential sponsors

- January
  - Site survey
  - Plans approved
  - Tree removal
  - Excavation

- February
  - Planting & landscaping
  - Sign installation

- March
  - Present (and win!) at conference
Final Results

Pre-construction

Post-construction
Future Plans

- Continue to work with the City of Auburn, Save Our Saugahatchee, Inc. to maintain and improve the OutCELL
- Create lesson plans and work with interested groups to tailor activities to their goals
- Add exhibits including the Steel Bridge and Concrete Canoe from conference