



Auburn ASCE

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

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





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
 - SmallCompetitions



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

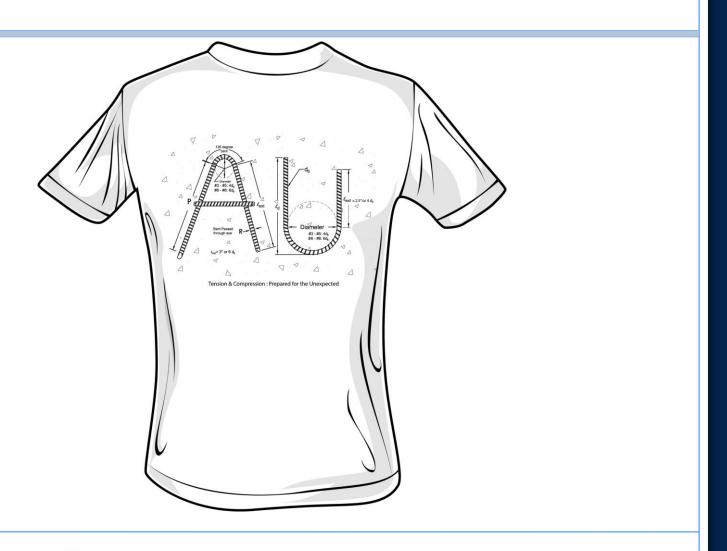
- Given state plane coordinates for 3 points.
- 2 points were marked, and the third had to be found
- 30 minute time limit
- 3rd Place

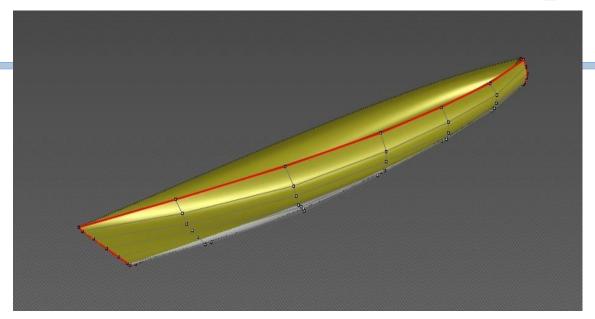


Visual Display



T-Shirt













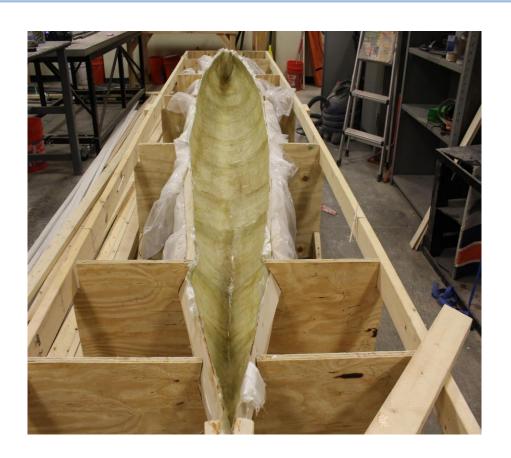




















Steel Bridge (Before Conference)







Steel Bridge (Before Conference)



Steel Bridge (At Conference)



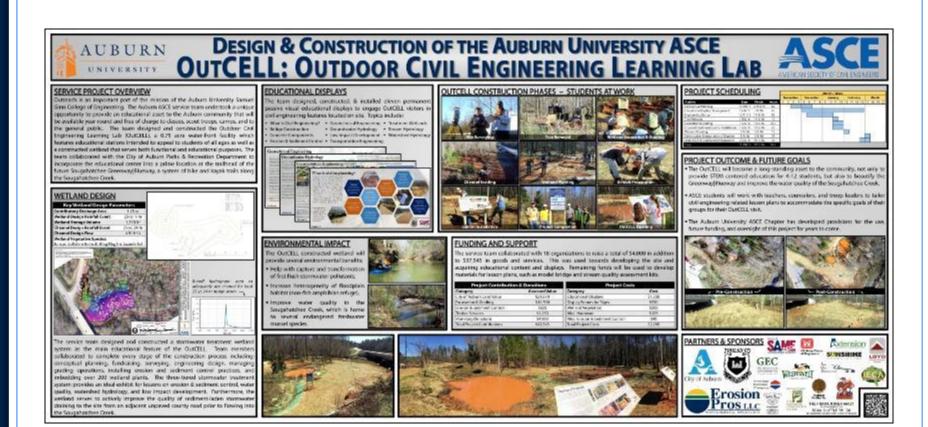








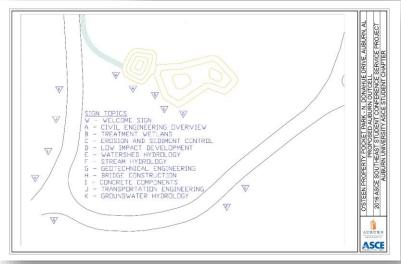
Auburn OutCELL



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



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

