



Student Forum

The City College
of New York

City College of New York Team

Student Activities and Achievement

Presenter - Abu Moro, Civil Engineering Undergraduate
Faculty Advisor - Dr. Lawrence C. Bank



2017 FRP Composite Competition



Abu Moro



Hendophe Cesaire



Jan Kazimierczuk



Jovins Lin Dorestan



Marcin Suwala

University Name: City College of New York

Faculty Advisor: Lawrence C. Bank

Team Code: CCNYA

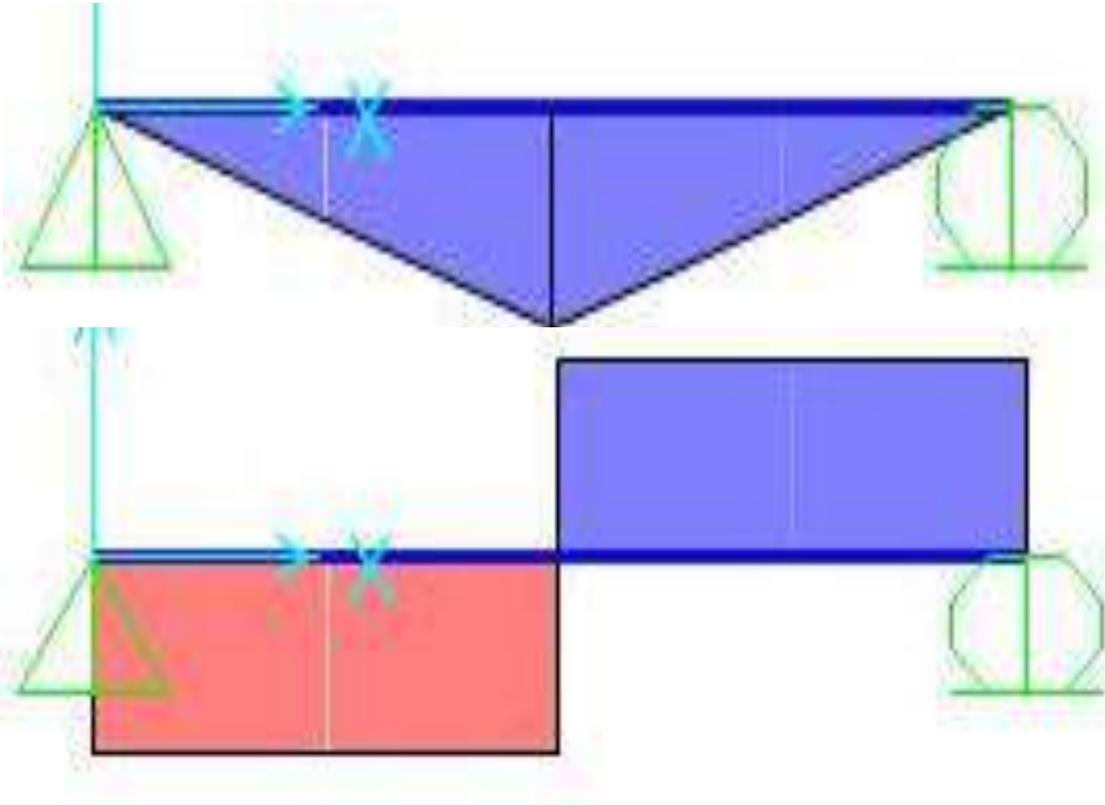


The Concrete Convention
and Exposition

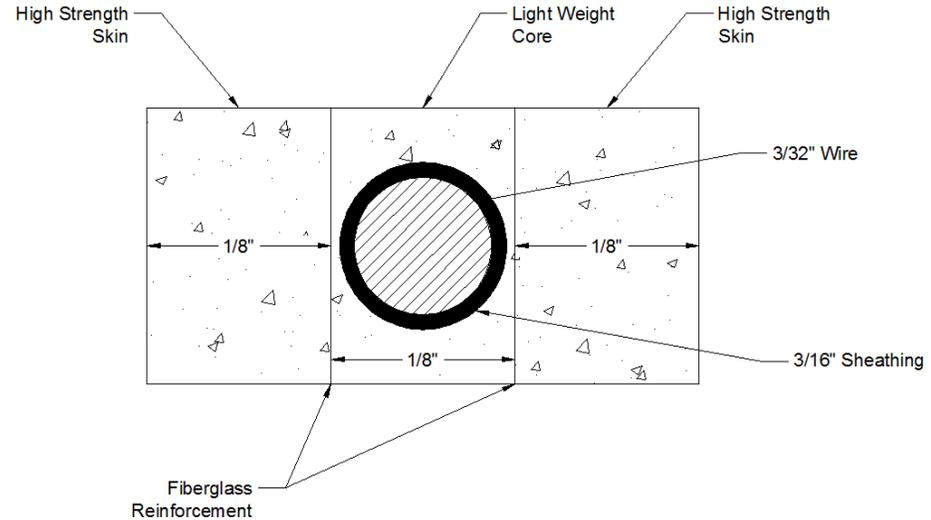
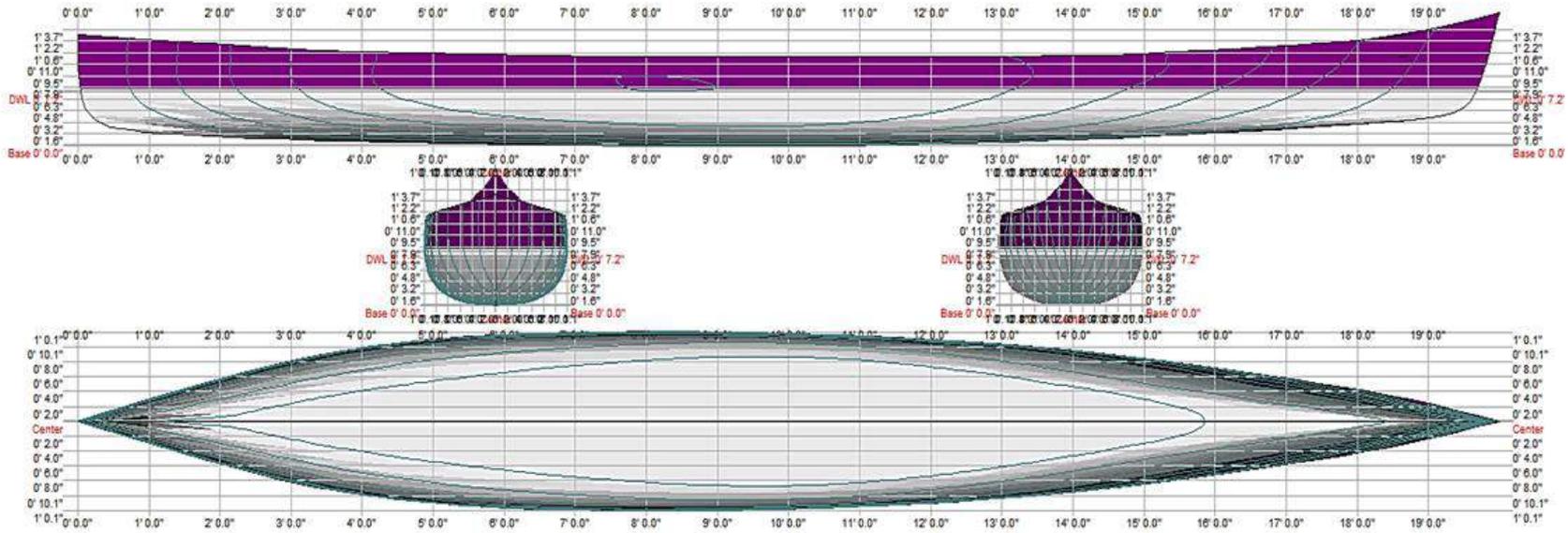
FRP Composite Competition

- Concrete beam reinforced with fiber-reinforced polymer (FRP)
- Mix Design to optimize weight and strength
- Shape Design to optimize moment capacity, shear and deflection
- Over-reinforcement calculations and analysis
- Prediction of ultimate load and deflection at 3.5mm

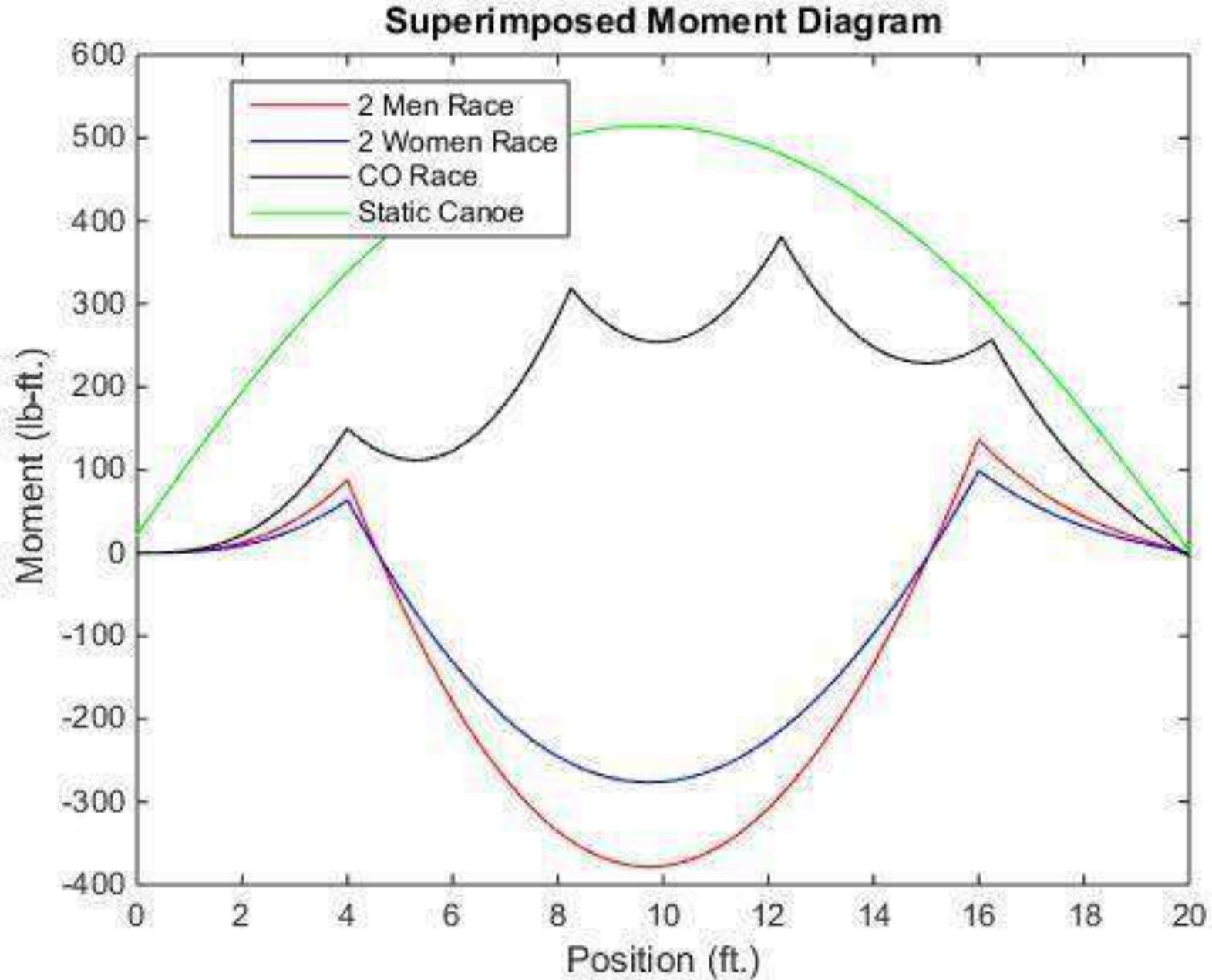
FRP BEAM



Concrete Canoe Competition



Design Analysis



Concrete Casting



Concrete Canoe Team Work





2016 Mortar Workability Competition



Abu Moro



Jairo Galarza



Linette Prasad



Fabian Francis



Marcin Suwala

University Name: City College of New York

Faculty Advisor: Ardavan Yazdanbakhsh

Team Code: CCNYA

The Concrete Convention
and Exposition

Mortar Workability Competition

- ▶ Mortar Mixture with optimum flowability and stability
- ▶ Material Requirement





2016 FRC Bowling Ball Competition



Abu Moro



Ricky Bhola



Alastair Richards



Fidan Mamedova



Mira A. Ayad

University Name: City College of New York

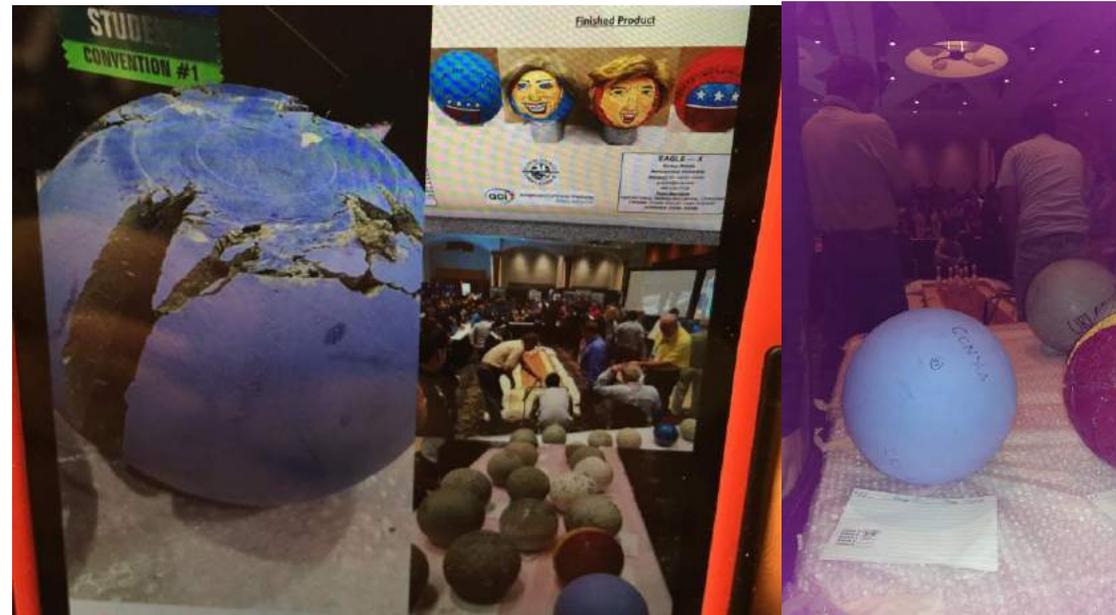
Faculty Advisor: Ardavan Yazdanbakhsh

2016 ACI FRC Bowling Ball Competition

Test

- ▶ Diameter Consistency
- ▶ Mass
- ▶ 25mm Deformation Load
- ▶ Toughness load
- ▶ 6-pin Bowling

Balls



2016 ACI FRC Bowling Ball Competition

- ▶ ACI's student competitions typically engage hundreds of the bright students from around the world to participate in interesting and educational concrete projects
- ▶ This was the first time CCNY engineering students have participated in such an international competition that drew 57 teams from colleges from the US and other countries.
- ▶ The objective of this competition is to demonstrate the effect of fibers in reinforcing concrete, to gain experience in forming and fabricating a concrete fiber-reinforced element, and to encourage creativity in engineering design and analysis
- ▶ CCNY was ranked 12th Overall!

Student Field Trips

City College of New York at MTA East Side Access Project



MTA 7-Train Extension

