

Steel Bridge Team

Talking Points

Who is the Steel Bridge Team?

The Steel Bridge Team is a student run organization, but has participating graduate students and an Advisor that assists at the student's discretion. The team consists of students from many disciplines with a wide range of experiences.

What is the Steel Bridge Team?

The Steel Bridge Team is a group of students that design, fabricate and construct a steel bridge, following given specifications.

When & Where is the Student Steel Bridge Competition?

The competition is actually two competitions. The first is a Regional competition that occurs in multiple locations across the USA based on region. The second is a National competition where the top few winners of each region come together to compete for the title "Best in the Nation".

Regional: April 23-24 at The University of Oklahoma

National: May 28-29 at the Purdue University

Why Steel Bridge?

The mission of the ASCE/AISC Student Steel Bridge Competition (SSBC) is to supplement the education of students with a comprehensive, student-driven project experience from conception and design through fabrication, erection, and testing, culminating in a steel structure that meets client specifications and optimizes performance and economy. The SSBC increases awareness of real-world engineering issues such as spatial constraints, material properties, strength, serviceability, fabrication and erection processes, safety, esthetics, and cost. Success in inter-collegiate competition requires effective teamwork and project management. Future engineers are stimulated to innovate, practice professionalism, and use structural steel efficiently.

How much does a Steel Bridge Cost?

The largest factors that affect the costs of anything that is constructed is travel, engineering, and time. Since labor and engineering is theoretically free, the only economical constraint is the travel. The 2009-2010 cost come to about \$25,000.