



Louisiana

CIVIL ENGINEERING

Conference & Show

PAPER BRIDGE

BUILDING RULES



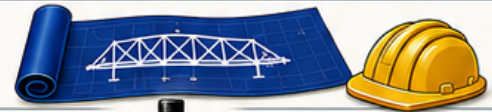
1 The bridge must be built using three (3) 7" X 11" poster boards and 1 glue stick
(The poster boards and glue sticks will be provided).
NO OTHER GLUE OR POSTER BOARDS WILL BE ALLOWED.



2 The students will be responsible to supply scissors, rulers/straight edges and pencils. No other materials (hair dryer or fans) will be permitted.



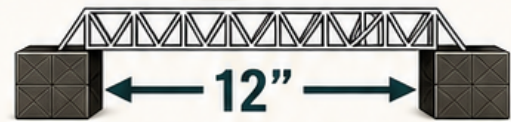
3 Students can bring prepared models, "blueprints," and/or plans with them.



4 The bridges must be built in the allotted 40 minutes.



5 The bridge must be able to adequately span a 12" opening. This means it must be able to remain on the testing device without falling through prior to the actual testing. The actual bridge must be longer than 12".



6 The entire surface of the bridge must be FLAT (smooth, no ridges, no bumps, and an even surface – **NO OVERLAPPING OF THE POSTER BOARD**). Overlapping, bumps, etc. may occur underneath the bridge.

FLAT & SMOOTH SURFACE ONLY



7 The entire bridge must be at least 2" wide (where a vehicle (an actual block) will be able to go through it). If the bridge is a covered bridge, it must allow the 2" high block to pass through it.

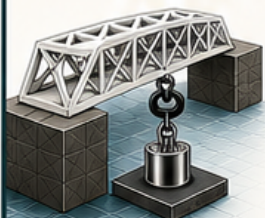


8 The bridge **MUST** support at least 1 pound with center-point loading. (If it doesn't hold this amount, it will be eliminated). The bridge is considered failed when it:
a) deflects more than one (1) inch;
b) falls through or off the testing jig; or
c) it collapses.



★ ALL BRIDGES MEETING THE ABOVE REQUIREMENTS WILL BE ELIGIBLE FOR PRIZES FOR: ★

PRIZE #1 – BRIDGE STRENGTH (LOAD TEST)



SECOND PLACE



FIRST PLACE



THIRD PLACE

PRIZE #2 – AESTHETICS AND BRIDGE NAME
(VOTED ON BY ATTENDEES AT CONFERENCE)



SECOND PLACE



FIRST PLACE



THIRD PLACE



WINNERS MUST BE PRESENT