



Student Steel Bridge Competition

Regional Event Host Equipment

Host schools should confirm the number of construction lanes, lateral load stations, vertical load stations and weigh stations that they would like, in the [AISC survey](#) due November 30. Please review the number of stations AISC has assigned you below.

Region	# Schools in 2018	# Construction Areas 2019	# Lateral Loading Stations 2019	# Vertical Loading Stations 2019	# Weighing Areas 2019
Carolinas	6	2	1	2	1
Deep South	11	2	1	2	1
Great Lakes	15	2	1	2	1
Metropolitan	9	2	1	2	1
Mid-Atlantic	11	2	1	2	1
Mid-Continent	13	3	1	2	1
Mid-Pacific	12				
Midwest	12	2	1	2	1
New England	14	2	1	2	1
North Central	9	2	1	2	1
Ohio Valley	13	2	1	2	1
Pacific Northwest	16	2	2	3	1
Pacific Southwest	16	2	2	3	1
Rocky Mountain	12	2	1	2	1
Southeast	20	3	2	3	1
Texas	17	2	2	3	1
Upstate New York	12	2	1	2	1
Virginias	12	2	1	2	1

The host university will receive the necessary deflection measurement and loading equipment for the competition from AISC by February 15 of the competition year. Items that will be provided include angle steel, grating, measuring devices, stop watches, and a multitude of others – see below:

Provided by AISC
Construction Area (Per Station)
Templates for rules, 9.3.9 – 9.3.10
Template for 9.3.4 (½" x 4" x 7 ½")
Box for member check – 8.2.2.2
25-ft string line with 2 pcs 2"x4"x 6" wood block
Magnet
Small High-Intensity flashlight
Two stopwatches
25-ft Tape measure(2)
4"-0" Level
Rolls of Tape
Clipboards (4-5)
Lateral Loading Station (Per Station)
Laser Plumb-bob
Paper 1" radius sway target - 10 reqd.
Lateral load stand with cable to attach bridge to weight
50 lb. load (eye bolt with square and slotted plates)
Steel Grating (1pc.)
Roll of Tape
25-ft Tape measure
75lb. Loading angles
Clipboard
Vertical Loading Station (Per Station)
2500 lbs. Loading angles
Roll of Tape
Steel Grating (2pcs.)
Deflection Measurement system

25-ft Tape measure
8 Safety support jack stands
2'x2' Load bearing plates if needed (4)
Laser Plumb-bob
2"x4"x 6" wood block (2)
Paper 1" Radius sway target - 10 reqd.
AAA batteries (6)
Clipboard
Weighing Area (Per Station)
Four Scales