

2025 Student Steel Bridge Competition Inventory Checklist

* Carolinas and Virginias Regions: See next page

Please use this sheet to complete your equipment inventory.

Number of Stations			
Construction	Lateral Loading	Vertical Loading	Weighing
2	1	2	1

Equipment Overview

~6200 lbs.
~ 4 pallets of angles
2-3 material pallets

DAMAGED EQUIPMENT: If any equipment is missing, broken, or damaged, clearly describe the damage in the 'Notes' section and submit the information to AISC. Photo documentation is also recommended. This will help AISC determine if the equipment needs to be replaced or simply repaired.

Inventory Item	# Total	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203	<input type="checkbox"/>
Jack Stand	16	<input type="checkbox"/>
Steel Grating - No Tabs	1	<input type="checkbox"/>
Steel Grating - With Tabs	4	<input type="checkbox"/>
Steel Bearing Plate (24" x 24")	8	<input type="checkbox"/>
Lateral Load Stand	1	<input type="checkbox"/>
Lanyard (Lateral Load Stand Accessory)	1	<input type="checkbox"/>
Carabiner (Lateral Load Stand Accessory)	1	<input type="checkbox"/>
Dog Collar (Lateral Load Stand Accessory)	1	<input type="checkbox"/>
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1	<input type="checkbox"/>
Slotted 25 lb. Loading Plate	2	<input type="checkbox"/>
Wood Box for Member Check	2	<input type="checkbox"/>
Level (4')	2	<input type="checkbox"/>
Vertical Deflection Measurement Device	6	<input type="checkbox"/>
Scale	5	<input type="checkbox"/>
Clipboard	14	<input type="checkbox"/>
Tape Measure (25')	7	<input type="checkbox"/>
Flashlight	2	<input type="checkbox"/>
Stopwatch	4	<input type="checkbox"/>
Laser Plumb-bob	5	<input type="checkbox"/>
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	2	<input type="checkbox"/>
1" Radius Sway Target	12	<input type="checkbox"/>
3/4" Radius Sway Target	12	<input type="checkbox"/>
Concentric 3/4" + 1/2" Radius Sway Target	12	<input type="checkbox"/>
Magnet	2	<input type="checkbox"/>
C-Clamp	4	<input type="checkbox"/>
Safety Glasses	4	<input type="checkbox"/>
Hard Hats	4	<input type="checkbox"/>
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18	<input type="checkbox"/>

If any of the inventory items listed below are damaged or missing, the host must provide a replacement before the competition. AISC will not provide replacements.

Instruction Guide for Vertical Deflection Device	1	<input type="checkbox"/>	
Plywood template for stringer passageway and deck support	2	<input type="checkbox"/>	
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2	<input type="checkbox"/>	
Wood piece (4x4 x 3'-0") to increase height of jack stands	16	<input type="checkbox"/>	
Plywood piece to protect tops of scales (1" x 11" x 11")	4	<input type="checkbox"/>	
Wood Piece (2x4 x 3'-6")	2	<input type="checkbox"/>	
Wood Block (2x4 x 6")	6	<input type="checkbox"/>	
String Line (25')	2	<input type="checkbox"/>	
Masking Tape Roll	5	<input type="checkbox"/>	
Flashlight Battery (type: AA)	4	<input type="checkbox"/>	
Stopwatch Battery (type: LR44)	4	<input type="checkbox"/>	
Scale Battery (type: 9V)	4	<input type="checkbox"/>	
Caliper Battery for Vertical Deflection Device (type: 357)	4	<input type="checkbox"/>	
Laser Plumb Bob Battery (type: AAA)	20	<input type="checkbox"/>	
Plywood template for ground clearance (1/2" x 5" x 8")	2	<input type="checkbox"/>	
Plywood template for ground clearance (1/2" x 5-1/2" x 7")	2	<input type="checkbox"/>	Host will need to provide for 2025

2025 Student Steel Bridge Competition Inventory Checklist

** For Carolinas and Virginias Regions Only **

Please use this sheet to complete your equipment inventory.

Number of Stations			
Construction	Lateral Loading	Vertical Loading	Weighing
1	1	1	1

Equipment Overview

~4000 lbs.
~ 2 pallets of angles
2-3 material pallets

DAMAGED EQUIPMENT: If any equipment is missing, broken, or damaged, clearly describe the damage in the 'Notes' section and submit the information to AISC. Photo documentation is also recommended. This will help AISC determine if the equipment needs to be replaced or simply repaired.

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Steel Grating - With Tabs	2	<input type="checkbox"/>
Steel Bearing Plate (24" x 24")	4	<input type="checkbox"/>
Lateral Load Stand	1	<input type="checkbox"/>
Lanyard (Lateral Load Stand Accessory)	1	<input type="checkbox"/>
Carabiner (Lateral Load Stand Accessory)	1	<input type="checkbox"/>
Dog Collar (Lateral Load Stand Accessory)	1	<input type="checkbox"/>
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1	<input type="checkbox"/>
Slotted 25 lb. Loading Plate	2	<input type="checkbox"/>
Wood Box for Member Check	1	<input type="checkbox"/>
Level (4')	1	<input type="checkbox"/>
Vertical Deflection Measurement Device	6	<input type="checkbox"/>
Scale	5	<input type="checkbox"/>
Clipboard	8	<input type="checkbox"/>
Tape Measure (25')	4	<input type="checkbox"/>
Flashlight	1	<input type="checkbox"/>
Stopwatch	2	<input type="checkbox"/>
Laser Plumb-bob	3	<input type="checkbox"/>
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	1	<input type="checkbox"/>
1" Radius Sway Target	8	<input type="checkbox"/>
3/4" Radius Sway Target	8	<input type="checkbox"/>
Concentric 3/4" + 1/2" Radius Sway Target	8	<input type="checkbox"/>
Magnet	1	<input type="checkbox"/>
C-Clamp	2	<input type="checkbox"/>
Safety Glasses	2	<input type="checkbox"/>
Hard Hats	2	<input type="checkbox"/>
Toe Covers (1 XS, 1 S, 2 M, 2 L, 2 XL, 1 XXL)	9	<input type="checkbox"/>

If any of the inventory items listed below are damaged or missing, the host must provide a replacement before the competition. AISC will not provide replacements.

Instruction Guide for Vertical Deflection Device	1	<input type="checkbox"/>	
Plywood template for stringer passageway and deck support	1	<input type="checkbox"/>	
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Flashlight Battery (type: AA)	2	<input type="checkbox"/>	
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Laser Plumb Bob Battery (type: AAA)	12	<input type="checkbox"/>	
Plywood template for ground clearance (1/2" x 5" x 8")	1	<input type="checkbox"/>	
Plywood template for ground clearance (1/2" x 5-1/2" x 7")	1	<input type="checkbox"/>	Host will need to provide for 2025