# 2024 Student Steel Bridge Competition ASCE Region 6 Inventory Checklist

### 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	1	2	1 		2-3	material pallets	replaced or simply repaired.	
				_			•	
Inventory Item			# T	otal		Notes		
Loading Angle	(L4x3x1/2, 27" lo	ng, 25 lb each, pai	inted gray)	203				
Jack Stand				16				
Steel Grating - No Tabs			1					
Steel Grating - \	With Tabs			4				
Steel Bearing Pl	late (24"x 24")			8				
Lateral Load Sta	and			1				
Lanyard (Lateral	Load Stand Acce	essory)		1				
Caribiner (Later	al Load Stand Ac	cessory)		1				
Dog Collar (Late	eral Load Stand A	Accessory)		1				
Eye Bolt with So	quare Plate (Later	al Load Stand Acc	essory)	1				
Slotted 25 lb. Lo	oading Plate			2				
Wood Box for N	Member Check			2				
Level (4')				2				
Vertical Deflecti	ion Measurement	Device		6	同			
Scale				5	同			
Clipboard				14	同			
Tape Measure (2	25')			7	ī			
Flashlight				2	ī			
Stopwatch				4	ī			
Laser Plumb-bo	b			5	Ħ			
Steel Bars - (1) 1	1/8" x 1" x 3" and	d (1) 1/4" x 1" x 3"		2	ī			
1" Radius Sway				12	ī			
3/4" Radius Swa				12	ī			
Magnet				2	ī			
C-Clamp				4	ī			
Safety Glasses				4	一		AISC will provide in early 2024	
Hard Hats				4	一		AISC will provide in early 2024	
Toe Covers (2 X		4 XL, 2 XXL)		18	ī		AISC will provide in early 2024	
			v are damag	ed o	r mis	ssing the host mus	t provide a replacement before the competit	ion
	t provide repl		v are darriag	eu o	111113	ssing, the nost mus	t provide a replacement before the competit	1011.
	de for Vertical Def			1				
Plywood templa	ate for stringer pa	assageway and dec	ck support	2	〒			
		earance (1/2" x 4"	<u> </u>	2	〒			
		ease height of jack		16	片			
•		f scales (1" x 11" x		4	片			
Wood Piece (2x		•	•	2	片			
Wood Block (2x				6	H			
String Line (25')				2	旨			
Masking Tape R				5	片			
Flashlight Batte				4	片			
Stopwatch Batte	•			4	片			
Scale Battery (ty				4	片			
	•	ction Device (type:	357)	4	片			
	b Battery (type: A			20	금			
	•	earance (1/2" x 5"	x 8")	20	H		Host must make these	
	aco ioi giodila cit						1 100t mast make these	

# 2024 Student Steel Bridge Competition Carolinas Inventory Checklist

### Please use this sheet to complete your equipment inventory.

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

Equipment Overview	٧
~4000 lbs.	
~ 2 pallets of angles	
2-3 material pallets	

Inventory Item	# To	otal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	103		
Jack Stand	8		
Steel Grating - No Tabs	1		
Steel Grating - With Tabs	2		
Steel Bearing Plate (24"x 24")	4		
Lateral Load Stand	1		
Lanyard (Lateral Load Stand Accessory)	1		
Caribiner (Lateral Load Stand Accessory)	1		
Dog Collar (Lateral Load Stand Accessory)	1		
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1		
Slotted 25 lb. Loading Plate	2		
Wood Box for Member Check	1	ī	
Level (4')	1	ī	
Vertical Deflection Measurement Device	6	ī	
Scale	5	ī	
Clipboard	8	ī	
Tape Measure (25')	4	ī	
Flashlight	1	ī	
Stopwatch	2	ī	
Laser Plumb-bob	3	ī	
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	1	Ħ	
1" Radius Sway Target	8	Ħ	
3/4" Radius Sway Target	8	Ħ	
Magnet	1	ī	
C-Clamp	2	Ħ	
Safety Glasses	2	ī	AISC will provide in early 2024
Hard Hats	2	Ħ	AISC will provide in early 2024
Toe Covers (1 XS, 1 S, 2 M, 2 L, 2 XL, 1 XXL)	9	ī	AISC will provide in early 2024
	ad or	r mis	sing, the host must provide a replacement before the competition.
AISC will not provide replacements.	CG 01	11115	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	1	Ħ	
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	1	Ħ	
Wood piece (4x4 x 3'-0") to increase height of jack stands	8	Ħ	
Plywood piece to protect tops of scales (1" x 11" x 11")	4	Ħ	
Wood Piece (2x4 x 3'-6")	1	Ħ	
Wood Block (2x4 x 6")	3	┆	
String Line (25')	1	Ħ	
Masking Tape Roll	3	ī	
Flashlight Battery (type: AA)	2	Ħ	
Stopwatch Battery (type: LR44)	2	Ħ	
Scale Battery (type: 9V)	4	Ħ	
Caliper Battery for Vertical Deflection Device (type: 357)	2	Ħ	
Laser Plumb Bob Battery (type: AAA)	12	Ħ	
Plywood template for ground clearance (1/2" x 5" x 8")	1	ī	Host must make these

# 2024 Student Steel Bridge Competition Eastern Great Lakes Inventory Checklist

### 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.

2-3 material pallets

Inventory Item	# To	otal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203		
Jack Stand	16	<u> </u>	
Steel Grating - No Tabs	1	ᆜ	
Steel Grating - With Tabs	4		
Steel Bearing Plate (24"x 24")	8		
Lateral Load Stand	1		
Lanyard (Lateral Load Stand Accessory)	1		
Caribiner (Lateral Load Stand Accessory)	1		
Dog Collar (Lateral Load Stand Accessory)	1		
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1		
Slotted 25 lb. Loading Plate	2		
Wood Box for Member Check	2		
Level (4')	2		
Vertical Deflection Measurement Device	6		
Scale	5		
Clipboard	14		
Tape Measure (25')	7		
Flashlight	2		
Stopwatch	4		
Laser Plumb-bob	5		
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	2		
1" Radius Sway Target	12	$\overline{\sqcap}$	
3/4" Radius Sway Target	12	百	
Magnet	2	百	
C-Clamp	4	Ħ	
Safety Glasses	4	Ī	AISC will provide in early 2024
Hard Hats	4	百	AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18	$\overline{\sqcap}$	AISC will provide in early 2024
If any of the inventory items listed below are damage AISC will not provide replacements.	ed or	mis	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	2		
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2		
Wood piece (4x4 x 3'-0") to increase height of jack stands	16		
Plywood piece to protect tops of scales (1" x 11" x 11")	4		
Wood Piece (2x4 x 3'-6")	2		
Wood Block (2x4 x 6")	6		
String Line (25')	2		
Masking Tape Roll	5		
Flashlight Battery (type: AA)	4		
Stopwatch Battery (type: LR44)	4		
Scale Battery (type: 9V)	4		
Caliper Battery for Vertical Deflection Device (type: 357)	4		
Laser Plumb Bob Battery (type: AAA)	20	Ī	
Plywood template for ground clearance (1/2" x 5" x 8")	2		Host must make these

# 2024 Student Steel Bridge Competition Gulf Coast Inventory Checklist

### Please use this sheet to complete your equipment inventory.

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

Scale Battery (type: 9V)

Laser Plumb Bob Battery (type: AAA)

Caliper Battery for Vertical Deflection Device (type: 357)

Plywood template for ground clearance (1/2" x 5" x 8")

Equipment Overview	
~6200 lbs.	
~ 4 pallets of angles	

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.

Host must make these

2	ı	2	ı	1	2-3	material pallets		replaced or simply repaired.	╛
						:			
Inventory Item			-	otal			Notes		
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)			203						
Jack Stand			16						
Steel Grating - 1				1					
Steel Grating - \				4					
Steel Bearing Pl				8					
Lateral Load Sta	and			1					
	Load Stand Acce			1					
Caribiner (Latera	al Load Stand Acc	cessory)		1					
Dog Collar (Late	eral Load Stand A	ccessory)		1					
		al Load Stand Acc	essory)	1					
Slotted 25 lb. La	oading Plate			2					
Wood Box for M	1ember Check			2					
Level (4')				2					
Vertical Deflecti	on Measurement	Device		6					
Scale				5					
Clipboard				14					
Tape Measure (2	25')			7					
Flashlight				2					
Stopwatch				4					
Laser Plumb-bo	b			5					
Steel Bars - (1) 1	/8" x 1" x 3" and	d (1) 1/4" x 1" x 3"		2					
1" Radius Sway	Target			12					
3/4" Radius Swa	ay Target			12					
Magnet				2					
C-Clamp				4					
Safety Glasses				4				AISC will provide in early 2024	
Hard Hats				4				AISC will provide in early 2024	
Toe Covers (2 X	S, 2 S, 4 M, 4 L, 4	XL, 2 XXL)		18				AISC will provide in early 2024	
	inventory iten provide repla		v are damag			J	t pro	ovide a replacement before the competiti	ion.
Instruction Guid	le for Vertical Defl	lection Device		1					
Plywood templa	ate for stringer pa	ssageway and dec	k support	2					
Plywood templa	ate for ground cle	arance (1/2" x 4" :	x 7-1/2")	2					
Wood piece (4x	4 x 3'-0") to incre	ase height of jack	stands	16					
Plywood piece t	to protect tops of	scales (1" x 11" x	11")	4					
Wood Piece (2x	4 x 3'-6")			2					
Wood Block (2x	4 × 6")			6					
String Line (25')				2					
Masking Tape R	oll			5					
Flashlight Batte				4	同				
Stopwatch Batte				4	ī				

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# 2024 Student Steel Bridge Competition Indiana-Kentucky Inventory Checklist

### 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

Inventory Item	# To	ntal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203	Jiai	Notes
Jack Stand	16	+	
Steel Grating - No Tabs	10	+	
Steel Grating - With Tabs	4	+	
Steel Bearing Plate (24"x 24")	8	+	
Lateral Load Stand		片	
	1	믐	
Lanyard (Lateral Load Stand Accessory)	1	믐	
Caribiner (Lateral Load Stand Accessory)	1	屵	
Dog Collar (Lateral Load Stand Accessory)	1	믄	
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1	屵	
Slotted 25 lb. Loading Plate	2	ᆜ	
Wood Box for Member Check	2	ᆜ	
Level (4')	2	ᆜ	
Vertical Deflection Measurement Device	6	$\sqcup$	
Scale	5	$\underline{\sqcup}$	
Clipboard	14		
Tape Measure (25')	7		
Flashlight	2		
Stopwatch	4		
Laser Plumb-bob	5		
Steel Bars - (1) $1/8$ " x 1" x 3" and (1) $1/4$ " x 1" x 3"	2		
1" Radius Sway Target	12		
3/4" Radius Sway Target	12		
Magnet	2		
C-Clamp	4		
Safety Glasses	4		AISC will provide in early 2024
Hard Hats	4		AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18		AISC will provide in early 2024
If any of the inventory items listed below are damage AISC will not provide replacements.	ed or	mis	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1	$\overline{}$	
Plywood template for stringer passageway and deck support	2	$\overline{\Box}$	
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2	$\overline{\Box}$	
Wood piece (4x4 x 3'-0") to increase height of jack stands	16	币	
Plywood piece to protect tops of scales (1" x 11" x 11")	4	〒	
Wood Piece (2x4 x 3'-6")	2	Ħ	
Wood Block (2x4 x 6")	6	Ħ	
String Line (25')	2	Ħ	
Masking Tape Roll	5	Ħ	
Flashlight Battery (type: AA)	4	Ħ	
Stopwatch Battery (type: LR44)	4	Ħ	
Scale Battery (type: 9V)	4	〒	
Caliper Battery for Vertical Deflection Device (type: 357)	4	Ħ	
Laser Plumb Bob Battery (type: AAA)	20	〒	
Plywood template for ground clearance (1/2" x 5" x 8")	2	T	Host must make these

# 2024 Student Steel Bridge Competition Intermountain Southwest Inventory Checklist

### 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

Inventory Item	# To	ntal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203	Jiai	Notes
Jack Stand	16	+	
Steel Grating - No Tabs	10	+	
Steel Grating - With Tabs	4	+	
Steel Bearing Plate (24"x 24")	8	+	
Lateral Load Stand		片	
	1	믐	
Lanyard (Lateral Load Stand Accessory)	1	믐	
Caribiner (Lateral Load Stand Accessory)	1	屵	
Dog Collar (Lateral Load Stand Accessory)	1	믄	
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1	屵	
Slotted 25 lb. Loading Plate	2	ᆜ	
Wood Box for Member Check	2	ᆜ	
Level (4')	2	ᆜ	
Vertical Deflection Measurement Device	6	$\sqcup$	
Scale	5	$\underline{\sqcup}$	
Clipboard	14		
Tape Measure (25')	7		
Flashlight	2		
Stopwatch	4		
Laser Plumb-bob	5		
Steel Bars - (1) $1/8$ " x 1" x 3" and (1) $1/4$ " x 1" x 3"	2		
1" Radius Sway Target	12		
3/4" Radius Sway Target	12		
Magnet	2		
C-Clamp	4		
Safety Glasses	4		AISC will provide in early 2024
Hard Hats	4		AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18		AISC will provide in early 2024
If any of the inventory items listed below are damage AISC will not provide replacements.	ed or	mis	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1	$\overline{}$	
Plywood template for stringer passageway and deck support	2	$\overline{\Box}$	
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2	$\overline{\Box}$	
Wood piece (4x4 x 3'-0") to increase height of jack stands	16	币	
Plywood piece to protect tops of scales (1" x 11" x 11")	4	〒	
Wood Piece (2x4 x 3'-6")	2	Ħ	
Wood Block (2x4 x 6")	6	Ħ	
String Line (25')	2	Ħ	
Masking Tape Roll	5	Ħ	
Flashlight Battery (type: AA)	4	Ħ	
Stopwatch Battery (type: LR44)	4	Ħ	
Scale Battery (type: 9V)	4	〒	
Caliper Battery for Vertical Deflection Device (type: 357)	4	Ħ	
Laser Plumb Bob Battery (type: AAA)	20		
Plywood template for ground clearance (1/2" x 5" x 8")	2	T	Host must make these

# 2024 Student Steel Bridge Competition Metropolitan Inventory Checklist

### 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	1	2 1			material pallets	replaced or simply repaired.
Inventory Item			# T	otal		Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)		203		) <b>İ</b>	110103	
Jack Stand		16	H			
Steel Grating - I	No Tabs		1	H	'	
Steel Grating - \			4	Ħ		
Steel Bearing Pl			8	Ħ		
Lateral Load Sta			1	Ħ		
Lanyard (Lateral	Load Stand Acce	essory)	1	Ħ		
	al Load Stand Ac		1	Ħ		
	eral Load Stand A		1	Ħ		
		al Load Stand Accessory)	1	ī		
Slotted 25 lb. La			2	Ħ		
Wood Box for N			2	Ħ		
Level (4')			2	Ħ		
Vertical Deflecti	on Measurement	Device	6	ī		
Scale			5	Ħ		
Clipboard			14	Ħ		
Tape Measure (2	25')		7	Ħ		
Flashlight			2	Ħ		
Stopwatch			4	Ħ		
Laser Plumb-bo	b		5	Ħ		
Steel Bars - (1) 1	I/8" x 1" x 3" and	d (1) 1/4" x 1" x 3"	2	Ħ		
1" Radius Sway			12	Ħ		
3/4" Radius Swa			12	Ħ	'	
Magnet	<u>,                                     </u>		2	Ħ		
C-Clamp			4	Ħ	'	
Safety Glasses			4	П		AISC will provide in early 2024
Hard Hats			4	Ħ		AISC will provide in early 2024
Toe Covers (2 X	S, 2 S, 4 M, 4 L, 4	1 XL, 2 XXL)	18			AISC will provide in early 2024
			aged o	mi	ssing, the host must	provide a replacement before the competition.
	provide repl			_		
	le for Vertical Def		1	Ц	<u>                                     </u>	
		ssageway and deck support	2	Ц	<u>                                     </u>	
		earance (1/2" x 4" x 7-1/2")	2	Ц	<u>                                     </u>	
		ease height of jack stands	16	Ц		
		f scales (1" x 11" x 11")	4	Ц		
Wood Piece (2x			2	Ц		
Wood Block (2x			6	Ш		
String Line (25')			2	Ш		
Masking Tape R			5			
Flashlight Batte			4			
Stopwatch Batte			4			
Scale Battery (ty			4			
		ction Device (type: 357)	4			
	b Battery (type: A		20			
Plywood templa	ate for ground cle	earance (1/2" x 5" x 8")	2			Host must make these

# 2024 Student Steel Bridge Competition Mid-America Inventory Checklist

### 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

Leaving Deep	" т		Notes
Inventory Item		otal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203	Ц	
Jack Stand	16	Ц	
Steel Grating - No Tabs	1	Ш	
Steel Grating - With Tabs	4		
Steel Bearing Plate (24"x 24")	8		
Lateral Load Stand	1		
Lanyard (Lateral Load Stand Accessory)	1		
Caribiner (Lateral Load Stand Accessory)	1		
Dog Collar (Lateral Load Stand Accessory)	1		
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1		
Slotted 25 lb. Loading Plate	2		
Wood Box for Member Check	2		
Level (4')	2		
Vertical Deflection Measurement Device	6		
Scale	5		
Clipboard	14		
Tape Measure (25')	7		
Flashlight	2	$\overline{\sqcap}$	
Stopwatch	4	$\overline{\sqcap}$	
Laser Plumb-bob	5	$\Box$	
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	2	ī	
1" Radius Sway Target	12	ī	
3/4" Radius Sway Target	12	Ħ	
Magnet	2	ī	
C-Clamp	4	Ħ	
Safety Glasses	4	П	AISC will provide in early 2024
Hard Hats	4	H	AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18	H	AISC will provide in early 2024
	<u> </u>	mic	sing, the host must provide a replacement before the competition.
AISC will not provide replacements.	jeu oi	11115	sing, the nost must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	2	H	
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2	H	
Wood piece (4x4 x 3'-0") to increase height of jack stands	16	H	
Plywood piece to protect tops of scales (1" x 11" x 11")	4	H	
Wood Piece (2x4 x 3'-6")	2	H	
Wood Block (2x4 x 6")	6	H	
String Line (25')	2	H	
Masking Tape Roll	5	H	
Flashlight Battery (type: AA)	4	片	
Stopwatch Battery (type: LR44)	4	H	
Scale Battery (type: 9V)	4	Η	
	<del>-</del>	H	
Caliper Battery for Vertical Deflection Device (type: 357)	4	H	
Laser Plumb Bob Battery (type: AAA)	20		Heat words a Lord
Plywood template for ground clearance (1/2" x 5" x 8")	2		Host must make these

# 2024 Student Steel Bridge Competition Mid-Atlantic East Inventory Checklist

### 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	

		_	
Inventory Item	# To	otal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	103		
Jack Stand	8		
Steel Grating - No Tabs	1		
Steel Grating - With Tabs	2		
Steel Bearing Plate (24"x 24")	4		
Lateral Load Stand	1		
Lanyard (Lateral Load Stand Accessory)	1		
Caribiner (Lateral Load Stand Accessory)	1		
Dog Collar (Lateral Load Stand Accessory)	1		
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1		
Slotted 25 lb. Loading Plate	2		
Wood Box for Member Check	1	ī	
Level (4')	1	$\overline{\sqcap}$	
Vertical Deflection Measurement Device	6		
Scale	5	$\overline{\sqcap}$	
Clipboard	8	$\overline{\sqcap}$	
Tape Measure (25')	4	$\overline{\Box}$	
Flashlight	1	$\overline{\Box}$	
Stopwatch	2	$\overline{\Box}$	
Laser Plumb-bob	3	$\overline{\Box}$	
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	1	$\overline{\Box}$	
1" Radius Sway Target	8	$\overline{\Box}$	
3/4" Radius Sway Target	8	$\overline{\Box}$	
Magnet	1	$\overline{\Box}$	
C-Clamp	2	ī	
Safety Glasses	2		AISC will provide in early 2024
Hard Hats	2		AISC will provide in early 2024
Toe Covers (1 XS, 1 S, 2 M, 2 L, 2 XL, 1 XXL)	9	П	AISC will provide in early 2024
	ed or	mis	sing, the host must provide a replacement before the competition.
AISC will not provide replacements.			5'
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	1		
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	1		
Wood piece (4x4 x 3'-0") to increase height of jack stands	8		
Plywood piece to protect tops of scales (1" x 11" x 11")	4		
Wood Piece (2x4 x 3'-6")	1		
Wood Block (2x4 x 6")	3		
String Line (25')	1		
Masking Tape Roll	3		
Flashlight Battery (type: AA)	2		
Stopwatch Battery (type: LR44)	2		
Scale Battery (type: 9V)	4		
Caliper Battery for Vertical Deflection Device (type: 357)	2		
Laser Plumb Bob Battery (type: AAA)	12		
Plywood template for ground clearance (1/2" x 5" x 8")	1	Ī	Host must make these

# 2024 Student Steel Bridge Competition Mid-Atlantic West Inventory Checklist

### 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	1	2 1		2-3	material pallets	replaced or simply repaired.
			" "			N
Inventory Item		_	otal		Notes	
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)  Jack Stand		203	片			
Steel Grating - I	No Tabo		10	∺		
Steel Grating - \			4	片		
Steel Bearing P			8	片		
Lateral Load Sta			1	片		
	I Load Stand Acce	occord)	1	片		
	al Load Stand Acc		1	片		
	eral Load Stand A		1	片	-	
		al Load Stand Accessory)	1	H		
Slotted 25 lb. L	•	ar Load Starid Accessory)	2	片	-	
Wood Box for N			2	H		
Level (4')	Viember Check		2	H		
	ion Measurement	Device	6	片		
Scale	- I Wicasarement	Device	5	片		
Clipboard			14	片		
Tape Measure (	25')		7	H		
Flashlight			2	片		
Stopwatch			4	H		
Laser Plumb-bo			5	H		
		d (1) 1/4" x 1" x 3"	2	H		
1" Radius Sway			12	H		
3/4" Radius Swa			12	H		
Magnet	, ,		2	H		
C-Clamp			4	Ħ		
Safety Glasses			4	П		AISC will provide in early 2024
Hard Hats			4	一		AISC will provide in early 2024
Toe Covers (2 X	(S, 2 S, 4 M, 4 L, 4	1 XL, 2 XXL)	18	ī		AISC will provide in early 2024
			ged o	r mis	ssing, the host mus	st provide a replacement before the competition.
	t provide repl		9		<b>J</b> ,	
Instruction Guid	de for Vertical Def	lection Device	1			
Plywood templa	ate for stringer pa	issageway and deck support	2			
Plywood templa	ate for ground cle	earance (1/2" x 4" x 7-1/2")	2			
Wood piece (4x	4 x 3'-0") to incre	ease height of jack stands	16			
Plywood piece	to protect tops of	f scales (1" x 11" x 11")	4			
Wood Piece (2x	(4 x 3'-6")		2			
Wood Block (2x	(4 × 6")		6			
String Line (25')	l		2			
Masking Tape R	Roll		5			
Flashlight Batte	ry (type: AA)		4			
Stopwatch Batt	ery (type: LR44)		4			
Scale Battery (ty	ype: 9V)		4			
Caliper Battery	for Vertical Defle	ction Device (type: 357)	4			
Laser Plumb Bo	b Battery (type: A	AAA)	20			
Plywood templa	ate for ground cle	earance (1/2" x 5" x 8")	2			Host must make these

# 2024 Student Steel Bridge Competition Mid-Pacific Inventory Checklist

### 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

		2 0 1	material panets
Inventory Item	# To	otal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203		
Jack Stand	16	H	
Steel Grating - No Tabs	1	Ħ	
Steel Grating - With Tabs	4	Ħ	
Steel Bearing Plate (24"x 24")	8	Ħ	
Lateral Load Stand	1		
Lanyard (Lateral Load Stand Accessory)	1		
Caribiner (Lateral Load Stand Accessory)	1		
Dog Collar (Lateral Load Stand Accessory)	1		
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1		
Slotted 25 lb. Loading Plate	2		
Wood Box for Member Check	2		
Level (4')	2		
Vertical Deflection Measurement Device	6		
Scale	5		
Clipboard	14		
Tape Measure (25')	7		
Flashlight	2		
Stopwatch	4		
Laser Plumb-bob	5		
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	2		
1" Radius Sway Target	12		
3/4" Radius Sway Target	12		
Magnet	2		
C-Clamp	4		
Safety Glasses	4		AISC will provide in early 2024
Hard Hats	4		AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18		AISC will provide in early 2024
If any of the inventory items listed below are damage AISC will not provide replacements.	ed or	mis	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	2		
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2		
Wood piece (4x4 x 3'-0") to increase height of jack stands	16		
Plywood piece to protect tops of scales (1" x 11" x 11")	4		
Wood Piece (2x4 x 3'-6")	2		
Wood Block (2x4 x 6")	6		
String Line (25')	2		
Masking Tape Roll	5		
Flashlight Battery (type: AA)	4		
Stopwatch Battery (type: LR44)	4		
Scale Battery (type: 9V)	4		
Caliper Battery for Vertical Deflection Device (type: 357)	4		
Laser Plumb Bob Battery (type: AAA)	20		
Plywood template for ground clearance (1/2" x 5" x 8")	2		Host must make these

# 2024 Student Steel Bridge Competition Mid-South Inventory Checklist

### 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

Inventory Item	# To	otal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203		
Jack Stand	16	<u> </u>	
Steel Grating - No Tabs	1	ᆜ	
Steel Grating - With Tabs	4		
Steel Bearing Plate (24"x 24")	8		
Lateral Load Stand	1		
Lanyard (Lateral Load Stand Accessory)	1		
Caribiner (Lateral Load Stand Accessory)	1		
Dog Collar (Lateral Load Stand Accessory)	1		
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1		
Slotted 25 lb. Loading Plate	2		
Wood Box for Member Check	2		
Level (4')	2		
Vertical Deflection Measurement Device	6		
Scale	5		
Clipboard	14		
Tape Measure (25')	7		
Flashlight	2		
Stopwatch	4		
Laser Plumb-bob	5		
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	2		
1" Radius Sway Target	12	$\overline{\sqcap}$	
3/4" Radius Sway Target	12	百	
Magnet	2	百	
C-Clamp	4	Ħ	
Safety Glasses	4	Ī	AISC will provide in early 2024
Hard Hats	4	百	AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18	$\overline{\sqcap}$	AISC will provide in early 2024
If any of the inventory items listed below are damage AISC will not provide replacements.	ed or	mis	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	2		
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2		
Wood piece (4x4 x 3'-0") to increase height of jack stands	16		
Plywood piece to protect tops of scales (1" x 11" x 11")	4		
Wood Piece (2x4 x 3'-6")	2		
Wood Block (2x4 x 6")	6		
String Line (25')	2		
Masking Tape Roll	5		
Flashlight Battery (type: AA)	4		
Stopwatch Battery (type: LR44)	4		
Scale Battery (type: 9V)	4		
Caliper Battery for Vertical Deflection Device (type: 357)	4		
Laser Plumb Bob Battery (type: AAA)	20	Ī	
Plywood template for ground clearance (1/2" x 5" x 8")	2		Host must make these

# 2024 Student Steel Bridge Competition Northeast Inventory Checklist

### Please use this sheet to complete your equipment inventory.

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

Equipment Overview
~6200 lbs.
~ 4 pallets of angles

2-3 material pallets

Inventory Item	# T	otal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203	П	
Jack Stand	16	ī	
Steel Grating - No Tabs	1	ī	
Steel Grating - With Tabs	4	$\overline{\sqcap}$	
Steel Bearing Plate (24"x 24")	8	ī	
Lateral Load Stand	1		
Lanyard (Lateral Load Stand Accessory)	1		
Caribiner (Lateral Load Stand Accessory)	1		
Dog Collar (Lateral Load Stand Accessory)	1		
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1		
Slotted 25 lb. Loading Plate	2		
Wood Box for Member Check	2		
Level (4')	2		
Vertical Deflection Measurement Device	6		
Scale	5		
Clipboard	14		
Tape Measure (25')	7		
Flashlight	2		
Stopwatch	4	$\overline{\Box}$	
Laser Plumb-bob	5		
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	2		
1" Radius Sway Target	12		
3/4" Radius Sway Target	12		
Magnet	2		
C-Clamp	4		
Safety Glasses	4		AISC will provide in early 2024
Hard Hats	4		AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18		AISC will provide in early 2024
If any of the inventory items listed below are damag AISC will not provide replacements.	ed o	r mis	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	2		
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2		
Wood piece (4x4 x 3'-0") to increase height of jack stands	16		
Plywood piece to protect tops of scales (1" x 11" x 11")	4		
Wood Piece (2x4 x 3'-6")	2		
Wood Block (2x4 x 6")	6		
String Line (25')	2		
Masking Tape Roll	5		
Flashlight Battery (type: AA)	4		
Stopwatch Battery (type: LR44)	4		
Scale Battery (type: 9V)	4		
Caliper Battery for Vertical Deflection Device (type: 357)	4		
Laser Plumb Bob Battery (type: AAA)	20		
Plywood template for ground clearance (1/2" x 5" x 8")	2		Host must make these

# 2024 Student Steel Bridge Competition Pacific Northwest Inventory Checklist

### Please use this sheet to complete your equipment inventory.

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

Equipment Overview
~6200 lbs.

2	1	2   1			2-3	material pallets	replaced or simply repaired.	
Inventory Item				# To	otal		Notes	
Loading Angle (	(L4x3x1/2, 27" loi	ng, 25 lb each, painted gray)	) 2	203				
Jack Stand			-	16				
Steel Grating - I	No Tabs			1				
Steel Grating - \	With Tabs			4				
Steel Bearing Pl	ate (24"x 24")			8				
Lateral Load Sta	and			1				
Lanyard (Lateral	Load Stand Acce	essory)		1				
Caribiner (Later	al Load Stand Acc	cessory)		1				
Dog Collar (Late	eral Load Stand A	ccessory)		1				
Eye Bolt with So	quare Plate (Later	al Load Stand Accessory)		1				
Slotted 25 lb. La	pading Plate			2	$\overline{\sqcap}$			
Wood Box for N	Nember Check			2	ī			
Level (4')				2	ī			
Vertical Deflecti	on Measurement	Device		6	ī			
Scale				5	Ħ			-
Clipboard				14	Ħ			
Tape Measure (2	25')			7	Ħ			-
Flashlight	·			2	Ħ			
Stopwatch				4	Ħ			
Laser Plumb-bo	b			5	Ħ			-
Steel Bars - (1) 1	I/8" x 1" x 3" and	d (1) 1/4" x 1" x 3"		2	Ħ			
1" Radius Sway				12	Ħ			
3/4" Radius Sway Target		<del></del>	12	Ħ				
Magnet			2	Ħ				
C-Clamp			4	Ħ				
Safety Glasses				4	$\overline{\sqcap}$		AISC will provide in early 2024	
Hard Hats				4	ö		AISC will provide in early 2024	
Toe Covers (2 X	S, 2 S, 4 M, 4 L, 4	XL. 2 XXL)		18	Ħ		AISC will provide in early 2024	
					mis	sing the host mus	t provide a replacement before the competition	
	t provide repla		magec	<i>1</i> Oi	11113	sing, the nost mus	t provide a replacement before the competition	<i>)</i> 11.
	le for Vertical Def			1		T .		
		ssageway and deck support		2	금			
	<u>.</u>	arance (1/2" x 4" x 7-1/2")		2	片			
		ease height of jack stands	i_	16	片			
•		scales (1" x 11" x 11")		4	片			
Wood Piece (2x		Scales (1 X 11 X 11 )	i_	2	片			
Wood Fleet (2x				6	H			
String Line (25')				2	Η			
Masking Tape R			i	5	片			
Flashlight Batte			<u>i</u> -	4	Η			
Stopwatch Batte			<u>i</u> -	4	Η			
Scale Battery (ty				4	Η			
	·	ction Device (type: 357)		4	Η			
	тог verticai Defied b Battery (type: А		i_		Η			
			_	20	님		Hoot must well a these	
riywood templa	ate for ground cle	arance (1/2" x 5" x 8")		2			Host must make these	

# 2024 Student Steel Bridge Competition Pacific Southwest Inventory Checklist

### Please use this sheet to complete your equipment inventory.

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

Equipment Overview				
~6200 lbs. ~ 4 pallets of angles				

2-3 material pallets

Inventory Item	# To	ntal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203	Jiai	Notes
Jack Stand	16	+	
Steel Grating - No Tabs	10	+	
Steel Grating - With Tabs	4	+	
Steel Bearing Plate (24"x 24")	8	+	
Lateral Load Stand		片	
	1	믐	
Lanyard (Lateral Load Stand Accessory)	1	믐	
Caribiner (Lateral Load Stand Accessory)	1	屵	
Dog Collar (Lateral Load Stand Accessory)	1	믄	
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1	屵	
Slotted 25 lb. Loading Plate	2	ᆜ	
Wood Box for Member Check	2	ᆜ	
Level (4')	2	ᆜ	
Vertical Deflection Measurement Device	6	$\sqcup$	
Scale	5	$\underline{\sqcup}$	
Clipboard	14		
Tape Measure (25')	7		
Flashlight	2		
Stopwatch	4		
Laser Plumb-bob	5		
Steel Bars - (1) $1/8$ " x 1" x 3" and (1) $1/4$ " x 1" x 3"	2		
1" Radius Sway Target	12		
3/4" Radius Sway Target	12		
Magnet	2		
C-Clamp	4		
Safety Glasses	4		AISC will provide in early 2024
Hard Hats	4		AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18		AISC will provide in early 2024
If any of the inventory items listed below are damage AISC will not provide replacements.	ed or	mis	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1	$\overline{}$	
Plywood template for stringer passageway and deck support	2	$\overline{\Box}$	
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2	$\overline{\Box}$	
Wood piece (4x4 x 3'-0") to increase height of jack stands	16	币	
Plywood piece to protect tops of scales (1" x 11" x 11")	4	〒	
Wood Piece (2x4 x 3'-6")	2	Ħ	
Wood Block (2x4 x 6")	6	Ħ	
String Line (25')	2	Ħ	
Masking Tape Roll	5	Ħ	
Flashlight Battery (type: AA)	4	Ħ	
Stopwatch Battery (type: LR44)	4	Ħ	
Scale Battery (type: 9V)	4	一	
Caliper Battery for Vertical Deflection Device (type: 357)	4	Ħ	
Laser Plumb Bob Battery (type: AAA)	20		
Plywood template for ground clearance (1/2" x 5" x 8")	2	T	Host must make these

# 2024 Student Steel Bridge Competition Rocky Mountain Inventory Checklist

### Please use this sheet to complete your equipment inventory.

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

Equipment Overview
~6200 lbs. ~ 4 pallets of angles

2	1	2 1			material pallets	replaced or simply repaired.	
Inventory Item				otal	Notes		
Loading Angle (	Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)		203		) <b>İ</b>	110103	
Jack Stand		3, 1 1 1 1 1 7 7 1 1 1 1 3 1 3 1 3 1	16	H			
Steel Grating - I	No Tabs		1	H	'		
Steel Grating - \			4	Ħ			
Steel Bearing Pl			8	Ħ			
Lateral Load Sta			1	Ħ			
Lanyard (Lateral	Load Stand Acce	essory)	1	Ħ			
	al Load Stand Ac		1	Ħ			
	eral Load Stand A		1	Ħ			
		al Load Stand Accessory)	1	ī			
Slotted 25 lb. La			2	Ħ			
Wood Box for N			2	Ħ			
Level (4')			2	Ħ			
Vertical Deflecti	on Measurement	Device	6	ī			
Scale			5	Ħ			
Clipboard			14	Ħ			
Tape Measure (2	25')		7	Ħ			
Flashlight			2	Ħ			
Stopwatch			4	Ħ			
Laser Plumb-bo	b		5	Ħ			
Steel Bars - (1) 1	I/8" x 1" x 3" and	d (1) 1/4" x 1" x 3"	2	Ħ			
1" Radius Sway			12	Ħ			
3/4" Radius Swa			12	Ħ	'		
Magnet		2	Ħ				
C-Clamp		4	Ħ	'			
Safety Glasses		4	П		AISC will provide in early 2024		
Hard Hats			4	Ħ		AISC will provide in early 2024	
Toe Covers (2 X	S, 2 S, 4 M, 4 L, 4	1 XL, 2 XXL)	18			AISC will provide in early 2024	
			aged o	mi	ssing, the host must	provide a replacement before the competition.	
	provide repl			_			
	le for Vertical Def		1	Ц	<u>                                     </u>		
		ssageway and deck support	2	Ц	<u>                                     </u>		
		earance (1/2" x 4" x 7-1/2")	2	Ц	<u>                                     </u>		
		ease height of jack stands	16	Ц			
		f scales (1" x 11" x 11")	4	Ц			
Wood Piece (2x			2	Ц			
Wood Block (2x			6	Ш			
String Line (25')			2	Ш			
Masking Tape R			5				
Flashlight Batte			4				
Stopwatch Batte			4				
Scale Battery (ty			4				
		ction Device (type: 357)	4				
	b Battery (type: A		20				
Plywood templa	ate for ground cle	earance (1/2" x 5" x 8")	2			Host must make these	

# 2024 Student Steel Bridge Competition Southeast Inventory Checklist

### Please use this sheet to complete your equipment inventory.

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

Equipment Overview

~6200 lbs.

~ 4 pallets of angles
2-3 material pallets

Inventory Item	# To	ntal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203	Jiai	Notes
Jack Stand	16	+	
Steel Grating - No Tabs	10	+	
Steel Grating - With Tabs	4	+	
Steel Bearing Plate (24"x 24")	8	+	
Lateral Load Stand	1	+	
		片	
Lanyard (Lateral Load Stand Accessory)	1	片	
Caribiner (Lateral Load Stand Accessory)	1	믐	
Dog Collar (Lateral Load Stand Accessory)	1	屵	
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1	屵	
Slotted 25 lb. Loading Plate	2	屵	
Wood Box for Member Check	2	ᆜ	
Level (4')	2	ᆜ	
Vertical Deflection Measurement Device	6	ᆜ	
Scale	5	ᆜ	
Clipboard	14	$\sqcup$	
Tape Measure (25')	7	$\underline{\sqcup}$	
Flashlight	2		
Stopwatch	4		
Laser Plumb-bob	5		
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	2		
1" Radius Sway Target	12		
3/4" Radius Sway Target	12		
Magnet	2		
C-Clamp	4		
Safety Glasses	4		AISC will provide in early 2024
Hard Hats	4		AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18		AISC will provide in early 2024
If any of the inventory items listed below are damage AISC will not provide replacements.	ed or	mis	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	2		
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2		
Wood piece (4x4 x 3'-0") to increase height of jack stands	16		
Plywood piece to protect tops of scales (1" x 11" x 11")	4	$\overline{\Box}$	
Wood Piece (2x4 x 3'-6")	2	币	
Wood Block (2x4 x 6")	6	币	
String Line (25')	2	〒	
Masking Tape Roll	5	〒	
Flashlight Battery (type: AA)	4	〒	
Stopwatch Battery (type: LR44)	4	Ħ	
Scale Battery (type: 9V)	4	Ħ	
Caliper Battery for Vertical Deflection Device (type: 357)	4	Ħ	
Laser Plumb Bob Battery (type: AAA)	20	Ħ	
Plywood template for ground clearance (1/2" x 5" x 8")	2	Ī	Host must make these

# 2024 Student Steel Bridge Competition Upstate New York - Canada Inventory Checklist

### 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

Leaving their	# Total		Notes
Inventory Item			Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	203		
Jack Stand	16	Ш	
Steel Grating - No Tabs	1		
Steel Grating - With Tabs	4		
Steel Bearing Plate (24"x 24")	8		
Lateral Load Stand	1		
Lanyard (Lateral Load Stand Accessory)	1		
Caribiner (Lateral Load Stand Accessory)	1		
Dog Collar (Lateral Load Stand Accessory)	1		
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1		
Slotted 25 lb. Loading Plate	2		
Wood Box for Member Check	2		
Level (4')	2		
Vertical Deflection Measurement Device	6		
Scale	5		
Clipboard	14		
Tape Measure (25')	7		
Flashlight	2		
Stopwatch	4	$\Box$	
Laser Plumb-bob	5		
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	2	$\Box$	
1" Radius Sway Target	12	ī	
3/4" Radius Sway Target	12	ī	
Magnet	2	ī	
C-Clamp	4	Ħ	
Safety Glasses	4	П	AISC will provide in early 2024
Hard Hats	4	ī	AISC will provide in early 2024
Toe Covers (2 XS, 2 S, 4 M, 4 L, 4 XL, 2 XXL)	18	H	AISC will provide in early 2024
	-i	r mis	sing, the host must provide a replacement before the competition.
AISC will not provide replacements.	jeu oi	11113	sing, the host must provide a replacement before the competition.
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	2	Ħ	
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	2	Ħ	
Wood piece (4x4 x 3'-0") to increase height of jack stands	16	Ħ	
Plywood piece to protect tops of scales (1" x 11" x 11")	4	Ħ	
Wood Piece (2x4 x 3'-6")	2	Ħ	
Wood Block (2x4 x 6")	6	H	
String Line (25')	2	H	
Masking Tape Roll	5	H	
Flashlight Battery (type: AA)	4	H	
Stopwatch Battery (type: LR44)	4	片	
Scale Battery (type: 9V)	4	H	
Caliper Battery (type: 74)  Caliper Battery for Vertical Deflection Device (type: 357)	4	片	
Laser Plumb Bob Battery (type: AAA)	20	H	
Plywood template for ground clearance (1/2" x 5" x 8")	2	H	Host must make these
		. —	Trost must make those

# 2024 Student Steel Bridge Competition Virginias Inventory Checklist

### 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

Inventory Item	# To	otal	Notes
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)	103		
Jack Stand	8		
Steel Grating - No Tabs	1		
Steel Grating - With Tabs	2		
Steel Bearing Plate (24"x 24")	4		
Lateral Load Stand	1		
Lanyard (Lateral Load Stand Accessory)	1		
Caribiner (Lateral Load Stand Accessory)	1		
Dog Collar (Lateral Load Stand Accessory)	1		
Eye Bolt with Square Plate (Lateral Load Stand Accessory)	1		
Slotted 25 lb. Loading Plate	2		
Wood Box for Member Check	1	ī	
Level (4')	1	ī	
Vertical Deflection Measurement Device	6		
Scale	5		
Clipboard	8		
Tape Measure (25')	4		
Flashlight	1		
Stopwatch	2		
Laser Plumb-bob	3		
Steel Bars - (1) 1/8" x 1" x 3" and (1) 1/4" x 1" x 3"	1		
1" Radius Sway Target	8		
3/4" Radius Sway Target	8		
Magnet	1		
C-Clamp	2		
Safety Glasses	2		AISC will provide in early 2024
Hard Hats	2		AISC will provide in early 2024
Toe Covers (1 XS, 1 S, 2 M, 2 L, 2 XL, 1 XXL)	9		AISC will provide in early 2024
	ed or	mis	sing, the host must provide a replacement before the competition.
AISC will not provide replacements.			
Instruction Guide for Vertical Deflection Device	1		
Plywood template for stringer passageway and deck support	1		
Plywood template for ground clearance (1/2" x 4" x 7-1/2")	1		
Wood piece (4x4 x 3'-0") to increase height of jack stands	8		
Plywood piece to protect tops of scales (1" x 11" x 11")	4		
Wood Piece (2x4 x 3'-6")	1		
Wood Block (2x4 x 6")	3		
String Line (25')	1		
Masking Tape Roll	3		
Flashlight Battery (type: AA)	2		
Stopwatch Battery (type: LR44)	2		
Scale Battery (type: 9V)	4		
Caliper Battery for Vertical Deflection Device (type: 357)	2		
Laser Plumb Bob Battery (type: AAA)	12		
Plywood template for ground clearance (1/2" x 5" x 8")	1		Host must make these

# 2024 Student Steel Bridge Competition Western Great Lakes Inventory Checklist

### 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.	

2	1	2   1			2-3	material pallets	replaced or simply repaired.	
Inventory Item		;	# T	otal		Notes		
Loading Angle (L4x3x1/2, 27" long, 25 lb each, painted gray)			2	)3				
Jack Stand			1	6				
Steel Grating - No Tabs			1					
Steel Grating - \	With Tabs			4				
Steel Bearing Pl	ate (24"x 24")			3				
Lateral Load Sta	and			1				
Lanyard (Lateral	Load Stand Acce	essory)		1				
Caribiner (Later	al Load Stand Acc	cessory)		1				
Dog Collar (Late	eral Load Stand A	ccessory)		1				
Eye Bolt with So	quare Plate (Later	al Load Stand Accessory)		1				
Slotted 25 lb. La	pading Plate			2	$\overline{\sqcap}$			
Wood Box for N	Member Check			2	ī			
Level (4')				2	ī			
Vertical Deflecti	on Measurement	Device		5	ī			
Scale				5	Ħ			
Clipboard			1	4	Ħ			
Tape Measure (2	25')			7	Ħ			
Flashlight	·			2	Ħ			
Stopwatch				4	Ħ			
Laser Plumb-bo	b			5	Ħ			
Steel Bars - (1) 1	I/8" x 1" x 3" and	d (1) 1/4" x 1" x 3"		2	Ħ			
1" Radius Sway Target		i	2	Ħ				
3/4" Radius Swa			i	2	Ħ			
Magnet	, ,			2	Ħ			
C-Clamp				4	Ħ			
Safety Glasses				4	$\overline{\sqcap}$		AISC will provide in early 2024	
Hard Hats				4	ö		AISC will provide in early 2024	
Toe Covers (2 X	S, 2 S, 4 M, 4 L, 4	XL. 2 XXL)	1	18			AISC will provide in early 2024	
			<u> </u>		mis	sing the host mus	t provide a replacement before the competitic	
	t provide repla		mageu	Oi	11113	sing, the nost mus	t provide a replacement before the competition	11.
	le for Vertical Def		- :	1		T .		
		ssageway and deck support		2	금			
	<u>.</u>	arance (1/2" x 4" x 7-1/2")		<u>-</u> 2	片			
		ease height of jack stands	i_	6	片			
•		scales (1" x 11" x 11")	i	 4	片			
Wood Piece (2x		Scales (1 X 11 X 11 )	i	<u>.                                    </u>	片			
Wood Fleet (2x				<u> </u>	H			
String Line (25')			i_	<u></u> 2	片			
Masking Tape R			i	<u>-</u> 5	片			
Flashlight Batte				<u></u> 4	Η			
Stopwatch Batte				<del>*</del> 4	片			
Scale Battery (ty				+ 4	Η			
	·	tion Davica (type: 2E7)		+ 4	ዙ			
Caliper Battery for Vertical Deflection Device (type: 357)  Laser Plumb Bob Battery (type: AAA)				분				
				0.0	님		Hoot must make the	
riywood templa	ate for ground cle	arance (1/2" x 5" x 8")	1 .	2			Host must make these	