

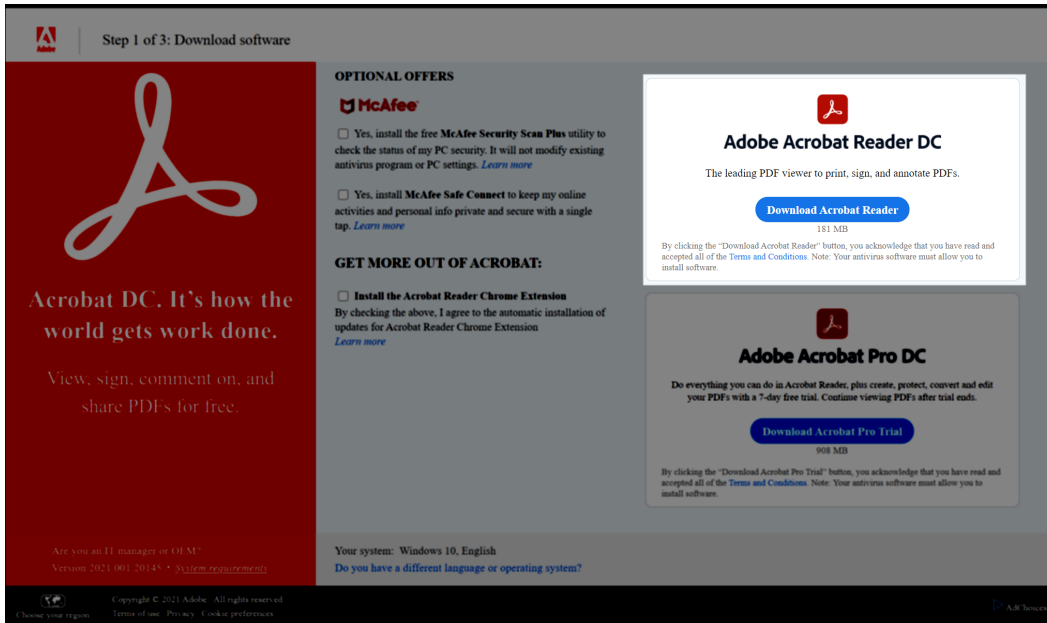


## Before you begin...



This is a PDF form that should be populated using your computer. All competition scores are to be documented using this form and the PDF submitted via the [SSBC Team Entry Submission](#) page.

This form requires Adobe Acrobat Reader DC for Mac or Windows. So, please make sure that you use Adobe Acrobat to fill out this form and save it. If you do not have a copy installed, you can download a free copy Adobe Reader from here: <https://get.adobe.com/reader/>. Make sure that you toggle off the "Optional Offer" items.

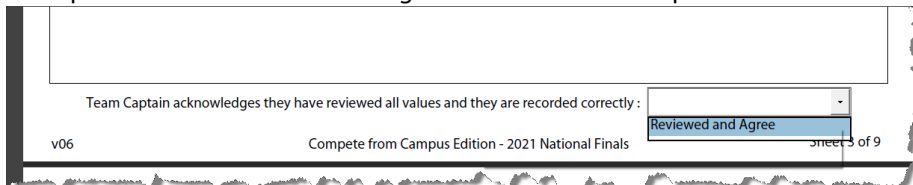


Adobe Acrobat Reader DC download page. Remember to toggle off "Optional Offers".

Once downloaded and installed, launch Acrobat Reader, select "file>open" from the menu and then choose this PDF form. While you may be able to view and edit this form within other PDF viewers (e.g. Bluebeam Revu) or your web browser, certain functionality may be lost and the form may not save correctly.

## What's new...

While there is no need to physically sign any sheet within this form, acknowledgment boxes are located at the bottom of sheets 3 through 7. At the end of each competition phase, Team Captains must acknowledge that all competition values have been properly recorded. See example below. Similar acknowledgment boxes have been provided for honor codes on pages 8 and 9.



## Important...

Judge shall verify that they have considered and evaluated each rule by placing a check in the "Rule Verified" column next to the corresponding rule regardless if a violation has occurred or not.

Rule Verified	Rule
<input checked="" type="checkbox"/>	8.1
<input checked="" type="checkbox"/>	10.2.3
<input checked="" type="checkbox"/>	10.2.4
<input checked="" type="checkbox"/>	10.2.5



School Name

### **Competition Information**

Region:

Date:

### **Loading Determination**

Die Roll Result (Sec. 7.1.(7)):

L1 (Sec. 7.1(7)):

L2 (Sec. 7.1(7)):

S (Sec. 7.1(7)):

### **Contact Information**

#### **Head Judge**

Please provide the name and contact information for the head judge in the event there are questions about scoring issues. All fields must be populated.

Name:

E-mail:

Phone Number:

#### **Faculty Advisor**

AISC needs the contact information for the Faculty Advisor to resolve judging disputes that may arise. The Faculty Advisor may also receive results by e-mail. All fields must be populated.

Name:

E-mail:

Phone Number:

#### **Team Captain**

This is a person on your team who is at the competition and who can be contacted if there are questions about scoring or other issues. This person may also receive results by e-mail. All fields must be populated.

Name:

E-mail:

Phone Number:



School Name

## Pre-Construction Check

### Section 8: Materials and Components

*NOTE: Check ALL members and tape or mark potentially adjustable parts (see 8.2.2.1)*

Rule Verified	Rule	Description	Violation Count
<input type="checkbox"/>	8.2.1	Member fabricated with adhesive, solder, or brazing.	
<input type="checkbox"/>	8.2.2.1	Member fails rigidity requirement; loose parts, and/or.	
<input type="checkbox"/>	8.2.2.2	Member dimensional violations, and/or.	
<input type="checkbox"/>	8.2.2.3	Non-continuous threads, and/or.	
<input type="checkbox"/>	8.2.5	Member threaded hole must be a welded nut.	
<input type="checkbox"/>	8.2.3.1	Violates bolt specification: Modified, non-rigid or not commercial.	
<input type="checkbox"/>	8.2.3.2	Violates bolt specification: Too long or incomplete threads.	
<input type="checkbox"/>	8.2.4.1	Violates nut specification: Modified, not hexagonal or not commercial.	
<input type="checkbox"/>	8.2.4.2	Violates nut specification: Incomplete threads.	

*NOTE: Per 10.6.2, tools that do not conform to regulation 10.2.3 and 10.2.4 shall be removed from the staging yard and shall not be used.*

*NOTE: Bridge only eligible for aesthetics awards if any of the following rules are violated.*

**Check boxes below to indicate the rule was violated.**

Rule Verified	Rule	Description	Not Eligible
<input type="checkbox"/>	8.1	Member uses material not magnetically attractive	NE <input type="checkbox"/>
<input type="checkbox"/>	10.2.3	Illegal tools (external power)	NE <input type="checkbox"/>
<input type="checkbox"/>	10.2.4	Illegal tool (weight, size)	NE <input type="checkbox"/>
<input type="checkbox"/>	10.2.5	Lubricant on site	NE <input type="checkbox"/>

### Section 10: Pre-Construction Conditions

Total Number of Builders (10.2.2):

*Note: All constructors must have required safety equipment (Section 10.3.2)*

Team Captain acknowledges they have reviewed all values and they are recorded correctly :



School Name

## Construction Judging

The following violations stop the clock, workers and materials return to appropriate locations, judges advise the team that they need to find another way to do their work.

**Check boxes below to indicate the rule was violated.**

*NOTE: Check ALL members and tape or mark potentially adjustable parts (see 8.2.2.1)*

Rule Verified	Rule	Description	Not Eligible
<input type="checkbox"/>	5	Judges deem the bridge unsafe to compete for any reason (See Page 6).	NE <input type="checkbox"/>
<input type="checkbox"/>	9.2.6	Bridge cannot accommodate local conditions.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.2.1	Someone other than builders & judges in construction site.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.2.2	More than six builders.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.1	Exposure to personal injury.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.2	Improper wearing of personal protective equipment (See 10.1.5).	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.3	Pouch or clothing being removed/held in hands.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.4	Builder holding nuts, bolts, or tools in mouth.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.5	Items being thrown.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.6	Builder crossing river.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.7	Builder simultaneously touching more than one member or support.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.8	A builder using the bridge, member, or tool for physical support.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.9	A builder using other builder(s) for support.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.10	Constructed portion does not start on the ground within a footing.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.11	Builder constructing outside construction zone.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.12	Builder(s) supporting entire weight of construction portion.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.13	Constructed portion extending beyond site boundary.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.3.14	Cannot accommodate local conditions.	NE <input type="checkbox"/>
<input type="checkbox"/>	10.4	Intentionally causing an accident	NE <input type="checkbox"/>
<input type="checkbox"/>	10.6.2	Adding/removing items or builders to/from site.	NE <input type="checkbox"/>

### Section 10.4: Accidents

*Note: Per 10.8.1, only record accidents which occur in the first 30 minutes and without stopping the clock.*

Rule Verified	Rule	Description	Violation Count
<input type="checkbox"/>	10.4.1	Builder, clothing or pouch touches river or floor outside construction boundary.	
<input type="checkbox"/>	10.4.2	All other items illegally touches river/ground/floor outside staging yard.	
<input type="checkbox"/>	10.4.3	Non-constructed portion members touch outside staging yard.	

Rule Verified	Rule	Description	Violation
<input type="checkbox"/>	10.4.2	Exception: Team demonstrates that bearing surface cannot stay in footing.	YES <input type="checkbox"/>

	<b>Minutes</b>	<b>Seconds</b>
<b>Record the clock time for construction:</b>		

*(See 10.7 and 10.8)*

**\*\* Enter 46 Minutes and 0 Seconds if construction was halted due to 10.8.2 time limit \*\***

Team Captain acknowledges they have reviewed all values and they are recorded correctly:



School Name

### Post Construction Check

#### Section 9: Structural Specifications

NOTE: Bridge only eligible for aesthetics awards if any of the following rules are violated.

Check boxes below to indicate the rule was violated.

Rule Verified	Rule	Description	Not Eligible
<input type="checkbox"/>	3	Bridge is unsuitable for intended purpose.	NE <input type="checkbox"/>
<input type="checkbox"/>	9.2.1	Bridge does not provide continuous stringers along both sides.	NE <input type="checkbox"/>
<input type="checkbox"/>	9.2.6	Bridge cannot accommodate local conditions.	NE <input type="checkbox"/>
<input type="checkbox"/>	9.4	Connections cannot be fixed within five minute limit.	NE <input type="checkbox"/>
<input type="checkbox"/>	9.5	Nuts/bolts uninspectable.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.1	Damage affecting strength or stability anytime after construction.	NE <input type="checkbox"/>

NOTE: For each rule, place a single check mark in the column corresponding to the greatest dimensional violation.

			Check boxes below to indicate the rule was violated.				
			Dimensional Violation				
Rule Verified	Rule	Description	≤ 1/4"	> 1/4" to ≤ 1"	> 1" to ≤ 2"	> 2" to ≤ 3"	> 3" NE
<input type="checkbox"/>	9.3.1	Bridge touches ground outside of footings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>
<input type="checkbox"/>	9.3.2	Bridge taller than 5' - 0".	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>
<input type="checkbox"/>	9.3.3	Bridge is wider than 5' - 0".	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>
<input type="checkbox"/>	9.3.4	River/ground clearance < 7.5".	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>
<input type="checkbox"/>	9.3.5	Stringer elev. not between 19" and 23".	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>
<input type="checkbox"/>	9.3.6	Stringer < 20 ft.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>
<input type="checkbox"/>	9.3.7	Bridge extends past envelope boundary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>
<input type="checkbox"/>	9.3.8.1	Passageway clearance violation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>
<input type="checkbox"/>	9.3.8.2	Stringers not in contact with top of rabbet.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>
<input type="checkbox"/>	9.3.9	Stringers with holes, etc. or exceed horiz/vert offset max.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NE <input type="checkbox"/>

NOTE: Check and record each violation.

Rule Verified	Rule	Description	Violation Count
<input type="checkbox"/>	9.4.1	Members touch but not connected.	
<input type="checkbox"/>	9.4.2	Nuts not fully engaged.	
<input type="checkbox"/>	9.4.3	Holes are too big or incomplete.	
<input type="checkbox"/>	9.4.4	Nut/Bolt head not in contact with member.	

Rule Verified	Rule	Description	Violation
<input type="checkbox"/>	10.9.3	Illegal disassembled tool.	YES <input type="checkbox"/>

Team Captain acknowledges they have reviewed all values and they are recorded correctly:



School Name

## Load Station Data

NOTE: Judge should check for damage resulting from or during transit.

NOTE: Bridge only eligible for aesthetics awards if any of the following rules are violated.

Check boxes below to indicate the rule was violated.

Rule Verified	Rule	Description	Not Eligible
<input type="checkbox"/>	3	Bridge is unsuitable for intended purpose (See Page 6).	NE <input type="checkbox"/>
<input type="checkbox"/>	5	Judges deem the bridge unsafe to compete for any reason (See Page 6).	NE <input type="checkbox"/>
<input type="checkbox"/>	9.2.2	Bridge does not provide access for safely placing decking & load.	NE <input type="checkbox"/>
<input type="checkbox"/>	9.2.3	Decking attached/anchored to bridge.	NE <input type="checkbox"/>
<input type="checkbox"/>	9.2.4	Decking distorts the bridge.	NE <input type="checkbox"/>
<input type="checkbox"/>	9.2.5	Bridge is anchored or tied to ground.	NE <input type="checkbox"/>
<input type="checkbox"/>	9.2.6	Bridge cannot accommodate local conditions.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.1	Damage affecting strength or stability anytime after construction.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.2.1.1	Unsafe loading procedure.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.2.1.3	Competitors not wearing required safety gear.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.2.3.7	Vertical load cannot be safely placed on bridge.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.3	Bridge cannot be loaded safely or sway/deflection cannot be measured.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.6	Bridge collapses during unloading.	NE <input type="checkbox"/>

### Section 11.4: Lateral Load Test

Rule	Description	Sway $\leq$ 1"
11.4.2	Lateral Test.	<input style="width: 100%; height: 20px;" type="text"/>

Per Section 11.2.2.2, a bridge with a horizontal sway greater than 1-inch shall be marked "Fail".

### Section 11.5: Vertical Load Test

Rule	Description	
11.5	Vertical Test.	<input style="width: 100%; height: 20px;" type="text"/>

Check boxes below to indicate the rule was violated.

### Section 11.5.2: General Loading Procedure

Rule Verified	Rule	Description	Not Eligible
<input type="checkbox"/>	11.5.2(a)	Sway $>$ 1".	NE <input type="checkbox"/>
<input type="checkbox"/>	11.5.2(b)	Any deflection $>$ 3" downward.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.5.2(c)	Contact with Safety Support or Ground.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.5.2(d)	Decking or load falls off bridge.	NE <input type="checkbox"/>
<input type="checkbox"/>	11.5.2(e)	Collapse or dangerous imminent collapse.	NE <input type="checkbox"/>

## Weigh Station Data

### Section 6.2.3: Bridge Weight

Total Weight

Record total weight to nearest 0.1 lb.

Team Captain acknowledges they have reviewed all values and they are recorded correctly:



School Name

**Explanation of Ineligibility**

Please use space provided below to document the reason the bridge was judged in violating of either Section 3 or 5 of the competition rules. Leave field blank or enter 'NA' is not applicable.

Team Captain acknowledges they have reviewed all values and they are recorded correctly :



School Name

## **Honor Code - Team Captain**

### **Honor Code Certification**

I certify that to the best of my knowledge, the team and judge(s) followed the SSBC Compete from Campus rules under the SSBC tradition of ethical behavior, professionalism, civility, and respect for people and property. This form documents the team's first and only attempt at the competition. I agree that all data has been entered correctly in this document.

Team Captain Name:

I have read and acknowledge the honor code:





School Name

## **Honor Code - Judge**

### **Honor Code Certification**

I certify that to the best of my knowledge, the team and judge(s) followed the SSBC Compete from Campus rules under the SSBC tradition of ethical behavior, professionalism, civility, and respect for people and property. This form documents the team's first and only attempt at the competition. I agree that all data has been entered correctly in this document.

Judge Name:

I have read and acknowledge the honor code: