

DQ:



## 2024 Model Bridge Inspection Report

<b>School Name</b>		<b>Mass</b>	
<b>Student Name</b>		<b>Load at Failure*</b>	
<b>Bridge Number</b>		<b>Efficiency</b>	

\*If load > 50 kg, 50 kg will be used in the efficiency calculation

LOC	ITEM	CRITERIA	Q	DQ
1	Materials	Only 3/32-inch (2.4 mm) square basswood and any commonly available adhesive, with no stain/paint/coating		
2a	Mass	Max 25.00 grams		
2b	Span ( <b>S</b> )	Min 300. mm		
2b	Length ( <b>L</b> )	Max 400. mm		
2b	Lower Extension	No part of the bridge extends below the support surface		
2b	Height ( <b>H</b> )	Max 150. mm		
2b	Width ( <b>W</b> )	Max 80. mm		
2c	Load Plane Height ( <b>P</b> )	100. mm ≤ <b>P</b> ≤ 150. mm above the support surface, <b>on the physical top of the bridge</b>		
2e	Symmetry	Bridge is symmetrical longitudinally and transversely (visual)		
2d	Loading Points	30. mm and 50. mm on either side of center in the same horizontal plane		
2d	Level Loading Plane	Loading plate (without rod) can be pushed smoothly along the loading plane between loading points		
6a	Load Application Vertical Clearance	Loading plate and rod clearance at all load points from above and below		

### FOR REFERENCE ONLY

This sheet does not replace the official rules and regulations, which can be found at [www.bnl.gov/bridgebuilding](http://www.bnl.gov/bridgebuilding)