



*The Eighteenth Annual **BRIMS** Regional
BRIDGE BUILDING CHAMPIONSHIPS*

March 2, 2013

at WKU Center for Research & Development Commons Area

HIGH SCHOOL Checklist

(This list is identical to the Certification Form that will be used March 2)

- _____ Constructed of **3/32" square basswood** and **not stained, painted or coated**
- _____ Mass **not greater than 25.00 g**
- _____ **Bridge shall rest on two support surfaces separated in elevation by 10 mm**
- _____ Length at base of bridge **capable of spanning 300 mm**
- _____ Maximum length of bridge **not greater than 400 mm**
- _____ Maximum width of bridge **not greater than 80 mm the loading surface**
- _____ Maximum height of bridge **not greater than 150 mm above the upper support surface**
- _____ **Three loading positions 50 mm left of center of span, 50 mm right of center of span, and at center of span**
- _____ Any portion of the structure below the loading plane provides clearance for a **9.53 mm (3/8 inch) diameter eyebolt which extends below the loading plane**
- _____ Loading plate 40 mm x 40 mm able to be placed horizontally at **each loading position.**
- _____ Bridge **does not extend below the lower support surface**