Wobbly Bridge

Overview

1. Build a 2”x4” frame that is 51” by 24” to 30” (outer dimensions)
2. Suspend webbing between the two ends **(must be tight)**
3. Drill holes in slats and connect to webbing with zip ties

Detailed Steps

1. Screw the 2”x4” frame together with two 3” screws in each of four ends. Make sure that both end pieces have the routed slots on the top. The end pieces must go on the outside (for strength) …see picture
2. File and sand the routed slots to remove sharp edges.
    a. Suspend the 1.5” wide webbing between the routed slots. Putting in the first side is easy. For the second side you need two people; one to hold the webbing tight, the second to screw in the plate.
    b. Put one screw through the webbing. First melt a hole through the webbing using a heated metal rod.
3. Mark holes in one of the 1”x4” slats to go on each side of the two strips of webbing. Use a ¼” drill bit. Use a countersink bit on the top of the slat or drill at an angle with your ¼” bit after the hole is made. This will allow the zip tie to not go over a sharp corner.
    a. After one slat is drilled, and fits, use it as a template for all other slats
    b. Note that the first and last slats may need to have a rounded bevel on them to prevent having a sharp corner tripping hazard
    c. The number of slats may not come out even, depending on how tight the webbing is stretched, so you may need one skinny slat to be ripped to be narrower.
4. Attach each slat with two zip ties as shown in the drawing. Two zip ties are used to prevent them from being bent too much

Optional finishing touches

a. Add 1” to 3” high legs on each corner…depending on where you will place the bridge and a possibly a ramp.
b. Distress, wire brush and/or paint (do not paint the webbing)
c. Add lights, string lights and/or fog from below

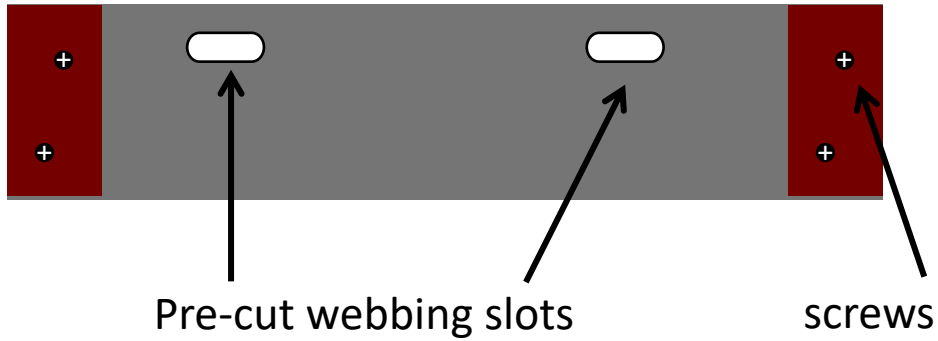
d. Add lights from above to prevent falls

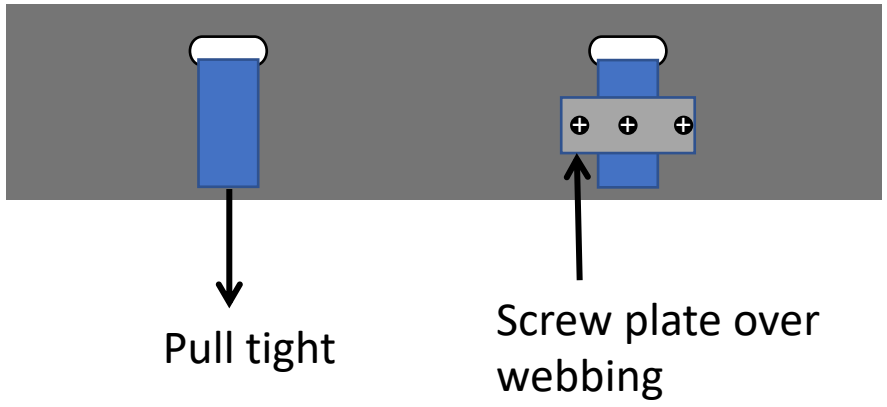
Wobbly Bridge Drawings

Frame and webbing

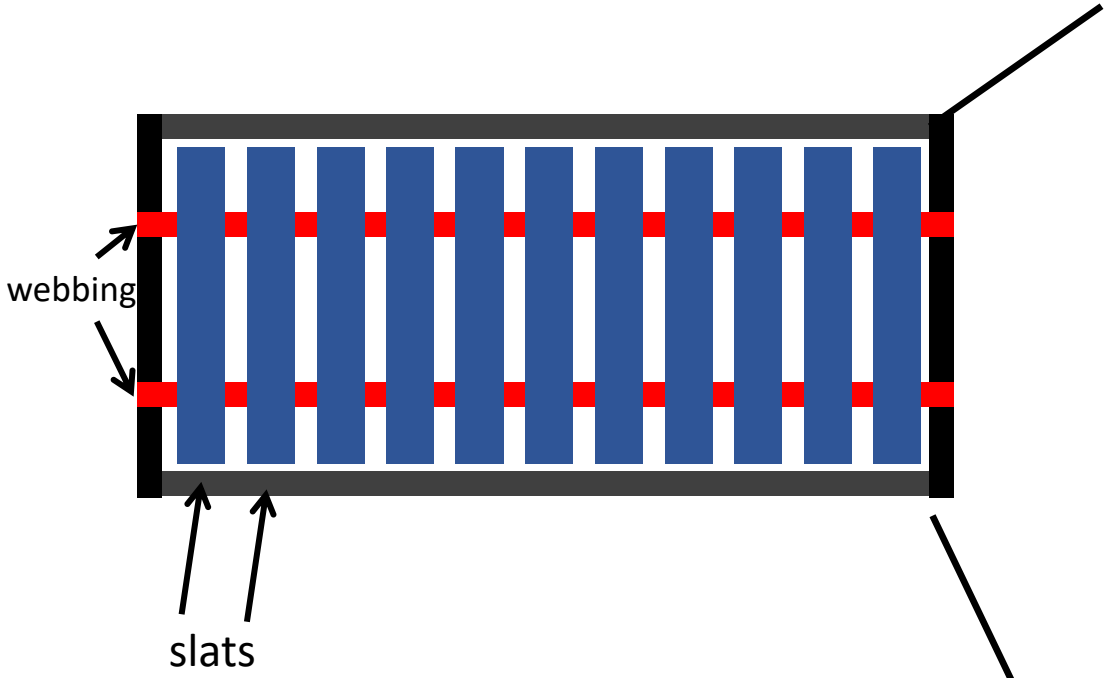
top view

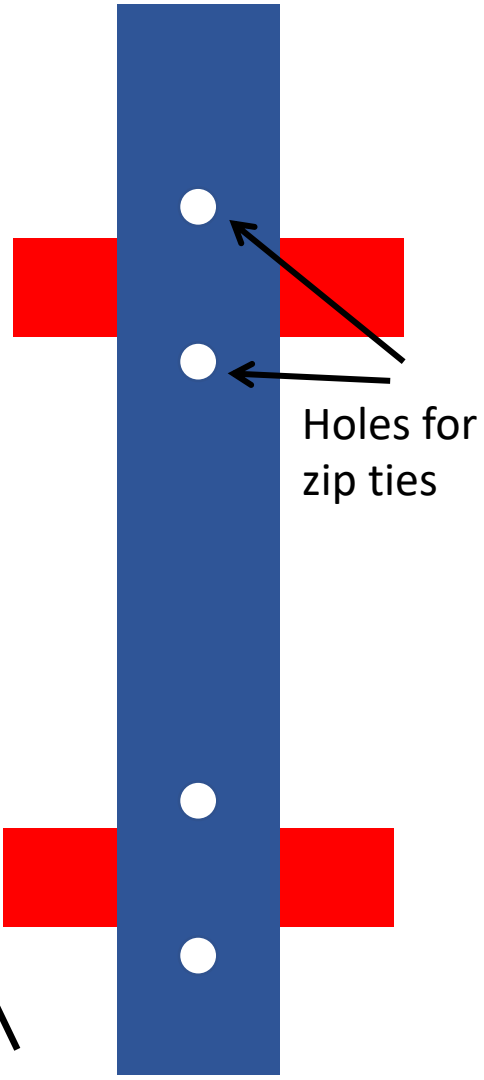
End view





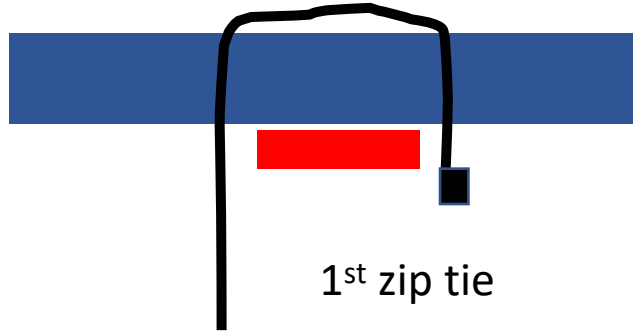
Top view with slats

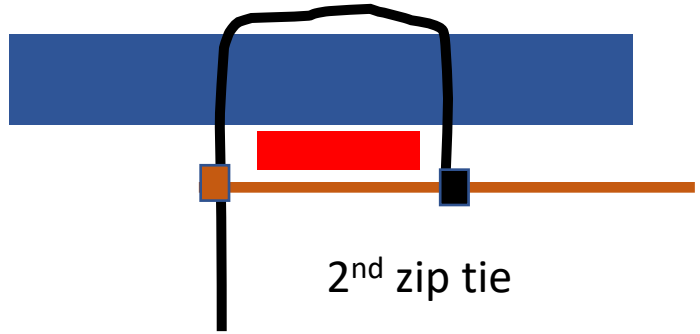




Zoom of one slat

End view





Optional Legs (1” to 3” depending on your use)

Ramp

Bridge partial side view