



TWX-2110 Light Rail Station – Surface Assembly Instructions

Tools required for assembly:

Sharp hobby knife

220 grit sandpaper

Cyanoacrylate accelerator (super glue kicker)

Masking tape

Tite Bond II Wood Glue (or similar)

Medium viscosity super glue

6-8 small squeeze clamps

Removing parts from the fret; Each part is held into the fret with very small sprues. Use a hobby knife to cut these sprues to prevent breaking parts when removing them from the fret. Carefully sand the sprues off each part using 220 grit sandpaper.

Repeat steps 1 through 6 FOUR times to create a total of 4 arches

- 1.) Begin with parts A7 and A8. Use wood glue to assemble as shown below in photo 1. NOTE: A7 is marked "INSIDE", glue A8 to the side opposite of "INSIDE", as shown below. Be sure to align the mortar lines on the sides of the base of the arches. Also be certain the square holes line up with each other and are not offset in any way (Photo 2).

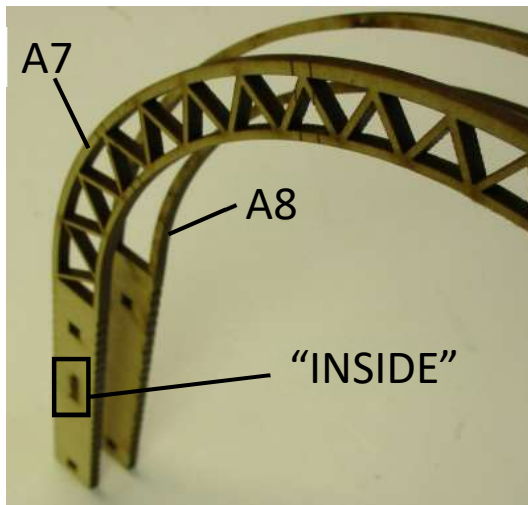


Photo 1

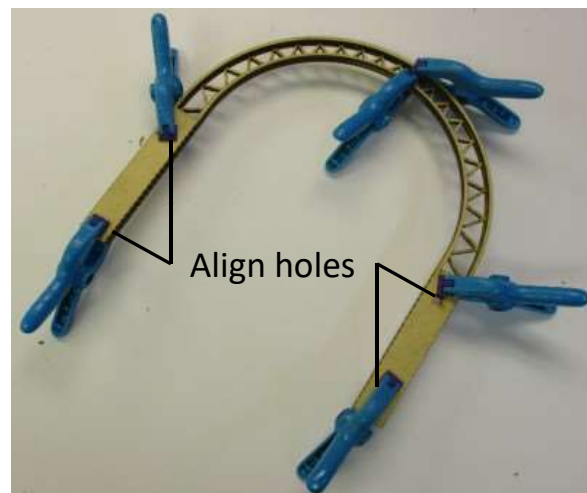


Photo 2

- 2.) Glue two pieces of A6 to each side of the arch, being careful to align the mortar lines on the sides as well as the small square holes in the brick base of the arch. (Photo 3).

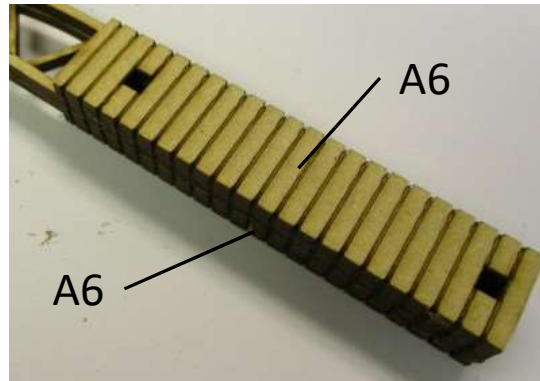


Photo 3

- 3.) The completed arch should look like photo 4 below. Now is a good time to paint the arches the color of your choice. Once the arches are painted, mask the arches and paint the brick foundation your preferred color of brick.



Photo 4

Repeat steps 4 through 11 two times to build two complete arched shelters.

- 4.) Remove 4 pieces of part A1. These four parts will set the spacing for the arches. Note the position of the parts, the bottom spanner will be the support for the bench. The top spanner is more decorative. Now is a good time to paint the four spanners (parts A1). Apply wood glue to

parts A6 where they insert into the arches and use masking tape to hold the assembly until dry. (photo 5).



Photo 5

- 5.) Remove 2 pieces each of parts A3, A4 and A5. These parts have a small letter engraved in them, which denotes their position inside the arches. T for Top, M for Middle and B for Bottom (Photo 6).

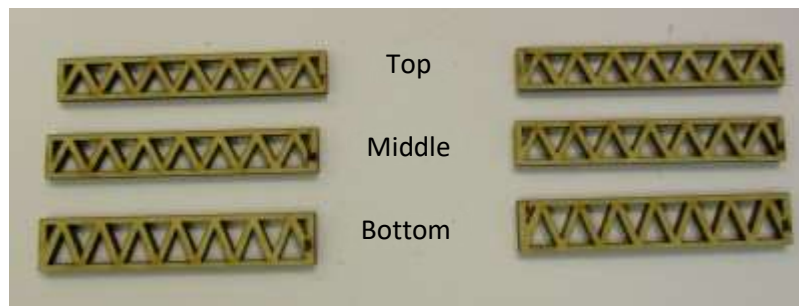


Photo 6

- 6.) Each of these spanners should be positioned in between the lines engraved on the inside of the arches. Be sure to position them with the engraved letters facing the brick foundation when assembling them. The engraved lines are shown below (photo 7).

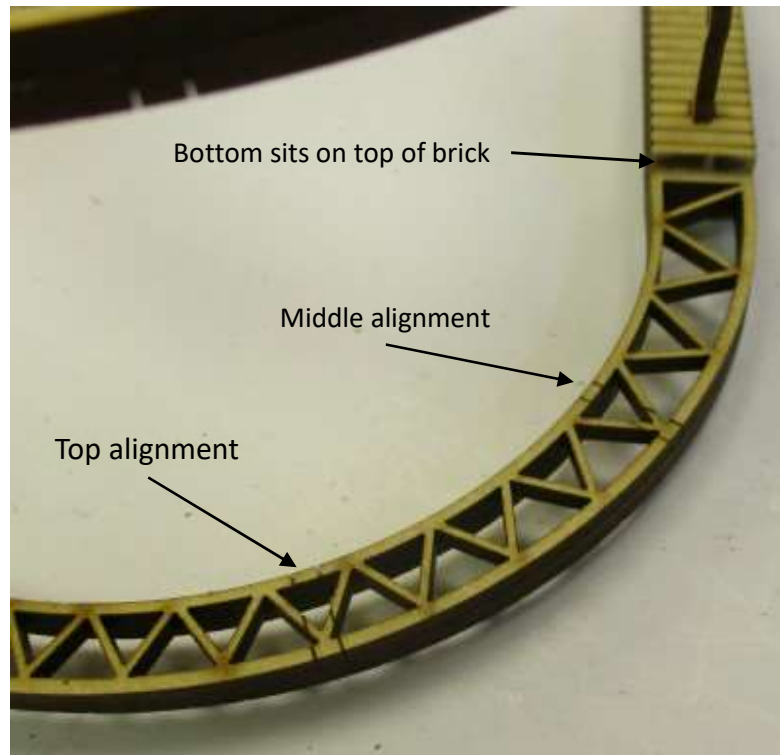


Photo 7

- 7.) Using the medium viscosity super glue with the accelerator glue the 6 spanners into position. A3 (top) is glued in between the top alignment lines as shown in photo 7. A4 (middle) is glued in between the middle alignment lines shown in photo 7. A5 (bottom) is glued on top of the brick foundation, as shown in photo 7. Once each part is properly aligned spray the joint with the accelerator to immediately cure the super glue. See photo 8.

NOTE: The top edge of the spanners should be aligned with the top edge of the arches. This will be important when mounting the roof panels.



Photo 8

8.) To complete the arch assembly (before mounting the roof, remove two pieces of part A2. Now is a good time to paint these pieces a concrete color. These are the benches. Using wood glue, glue one bench to each side of the bottom spanner, as shown in photo 9.

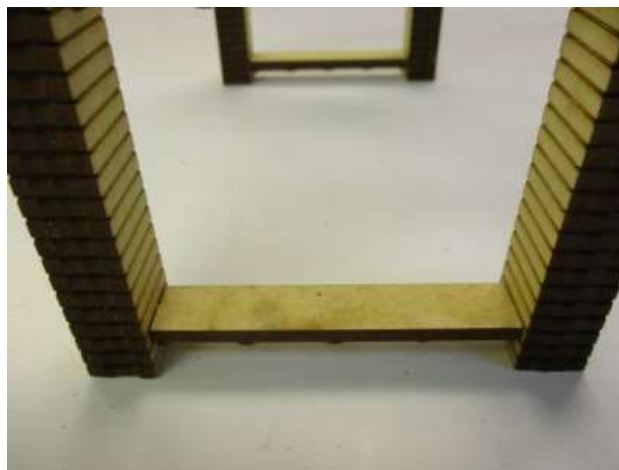


Photo 9

- 9.) Now is a good time to paint the plastic shelter roof panels. Once these are painted they are glued to the arches with medium viscosity super glue. Use the accelerator to speed up the drying time, when appropriate. Start by applying a bead of super glue along the bottom edge of the arch, as shown in photo 10 below.

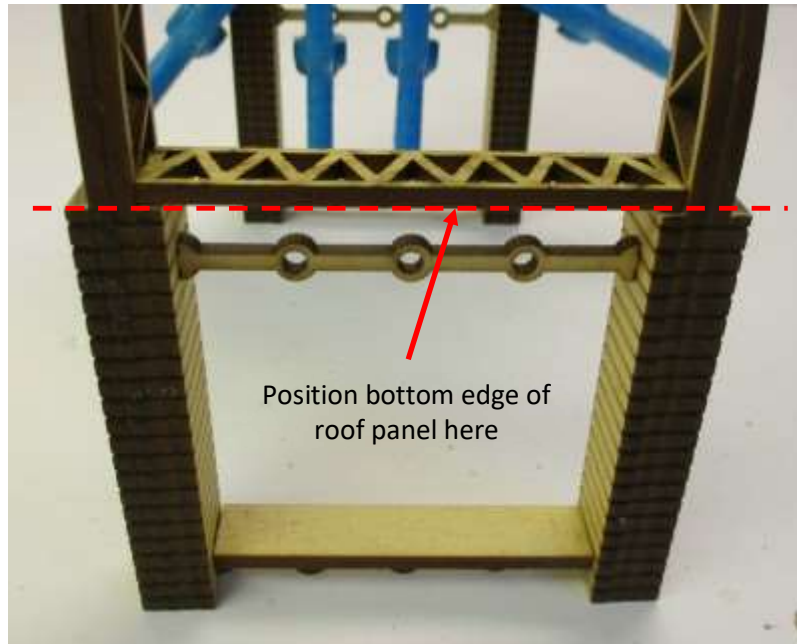


Photo 10

- 10.) Place the roof panel in position and use 4 small clamps to hold it in position. Apply the accelerator to speed the drying time. It is imperative that the bottom edge be glued to the bottom spanner as well as the bottom of the arches. Allow a few minutes for the super glue to completely cure. (Photo 11)

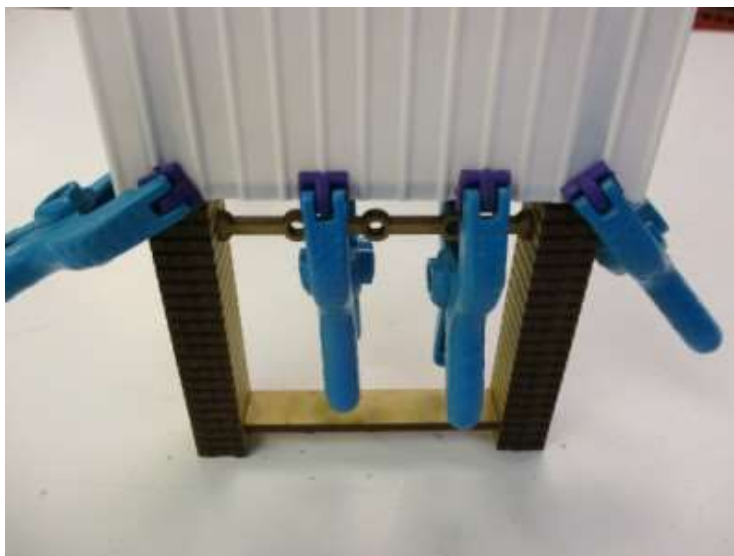


Photo 11

- 11.) Once the bottom edge has fully cured apply a liberal amount of medium viscosity super glue to the top of the arches, just a tiny bit past the top spanner. (reference photo 12 below). You want to apply super glue to both arches and across the top of the top spanner. Carefully bend the roof panel along the surface of the arches and clamp the top corners, ensuring there are no gaps between the roof and the arches (Photo 13).

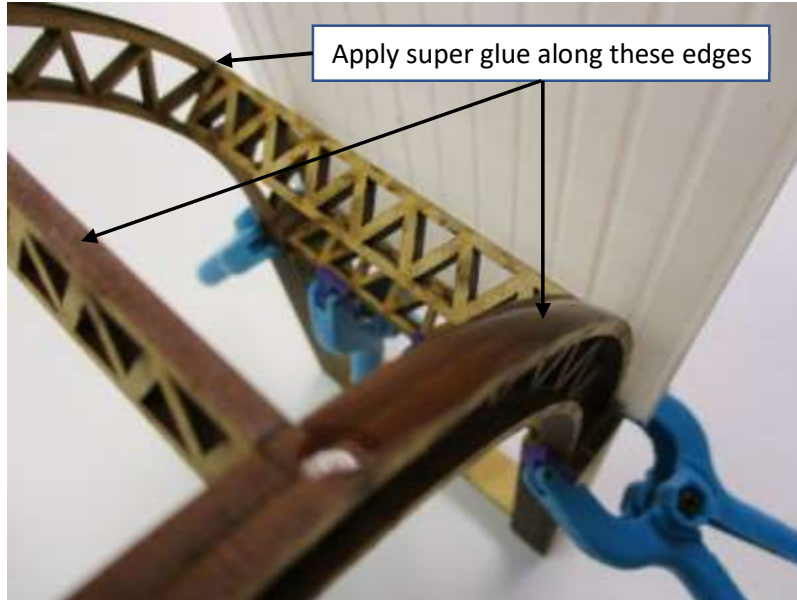


Photo 12

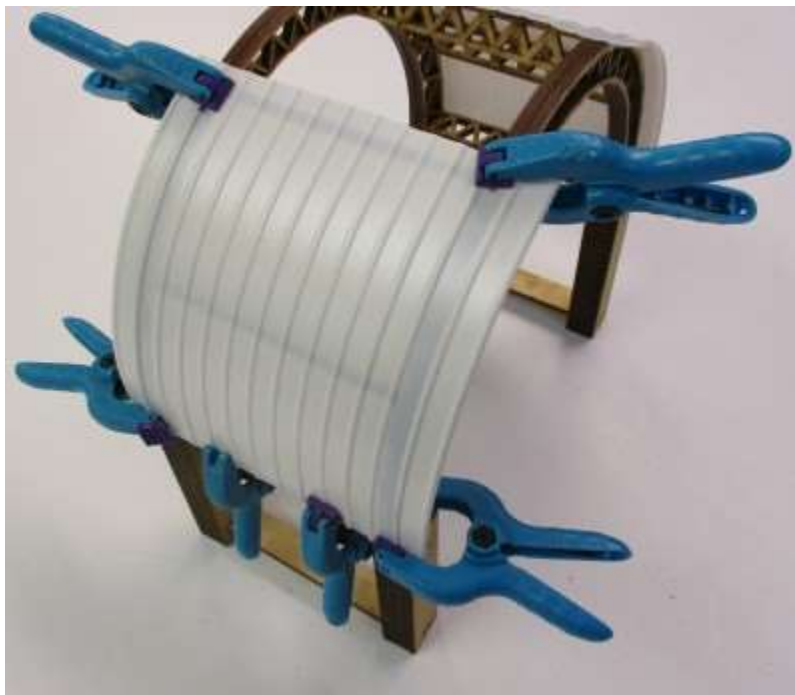
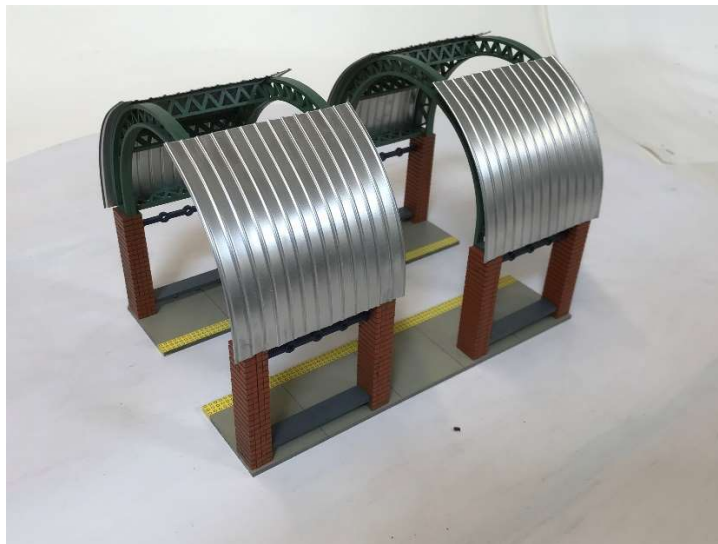


Photo 13

- 12.) Once the arched shelters are completed its time to paint the station platforms. Remove both pieces of part B1. Paint the surface your choice of concrete color. The safety tread area can be

masked and painted a safety color such as yellow or red. Once completed place the platforms on either side of your track. Place the two shelter arches as desired and glue the base of each arch to the platforms.

Below are some photos of our decorated Light Rail Station.



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