Assembly Instructions For Z-Scale Single Lane Covered Bridge

☐ Short Bridge EAE-2006

☐ Long Bridge EAE-2007

www.eaelec.com

Made in Canada

The covered bridge kit is modeled after a real bridge in Pennsylvania. The bridge is available in 2 lengths, long and short. The photos in this instruction sheet show the short version, assembly and painting of the long bridge is identical.

3D printed parts in the kit:
A. Base
B. Roof
C. Sides (2 of each)
D. Guard rails (4 of each)

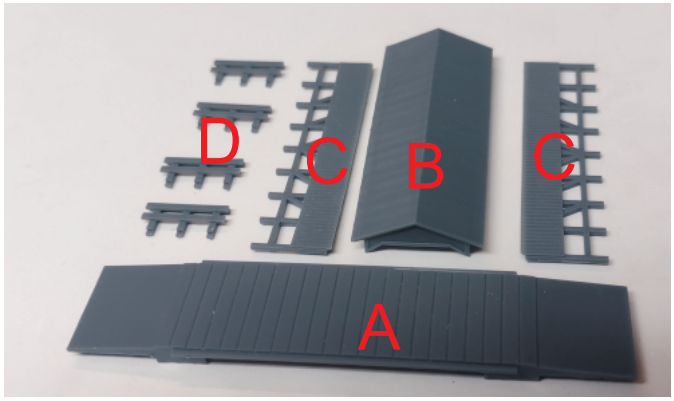
Required to complete the kit:
Paint - See painting guide page 2
Glue - Slow setting CA is recommended
Tools:
1. X-acto knife with a sharp #11 blade.
2. #400 and #600 sandpaper.

WARNING: CHOKING HAZARD

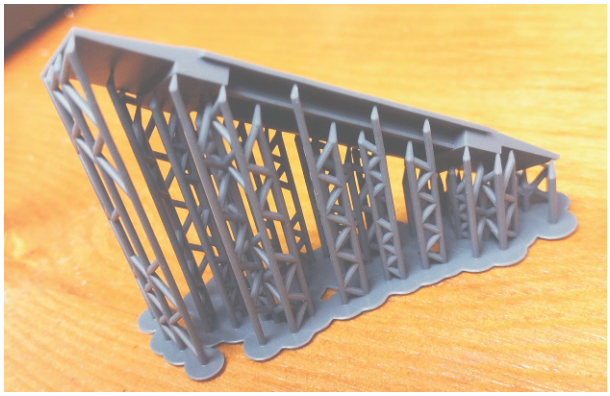
Keep out of reach of children!

Note that these ARE NOT TOYS, AND ARE NOT INTENDED FOR USE BY CHILDREN UNDER AGE OF 14. These products are model railroad equipment and accessories intended for use by adults.

3D Printed Parts in the Kit



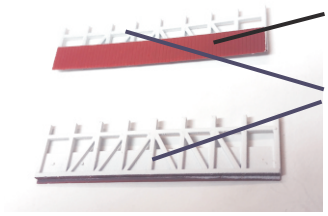
The 3D printing process requires a supporting frame during printing. The printed part is cut from the frame using flush cutters and this sometimes leaves small bumps on the part. Use a knife with a sharp new blade to cut away the bumps. For bumps on some highly visible locations, sanding is recommended.



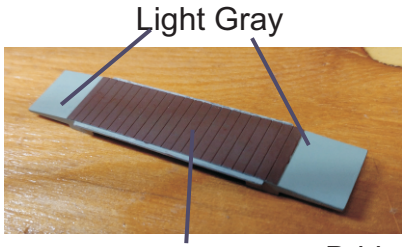
3D printed part with supports

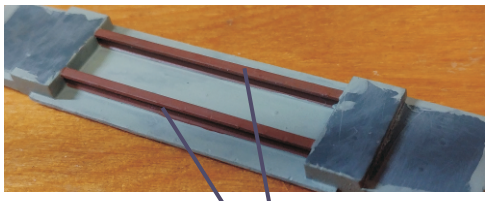
Painting Guide

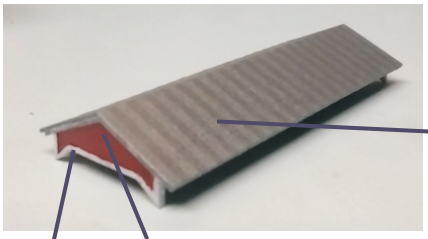
On the side pieces I airbrushed flat red on the outer boards first, then masked off the boards and sprayed the rest, both inside and out with flat white. If you want a brighter, lighter red you can paint the entire side white first, then apply the red.



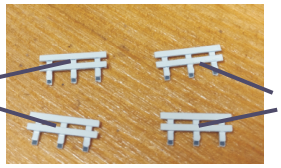
2 sides







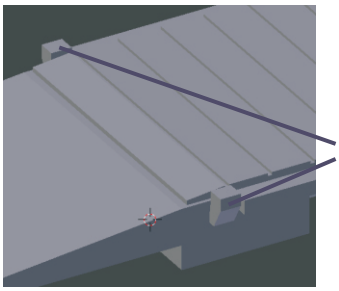
I sprayed the metal top of the roof with Krylon Brushed Metallic Nickel (satin) paint.

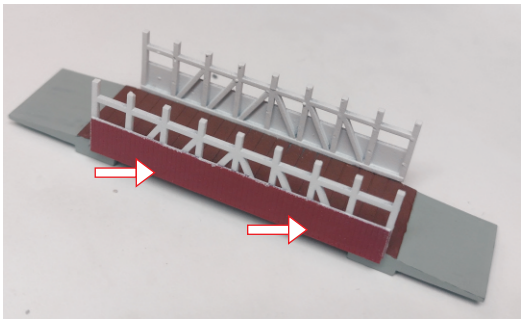


4 Guard Rails

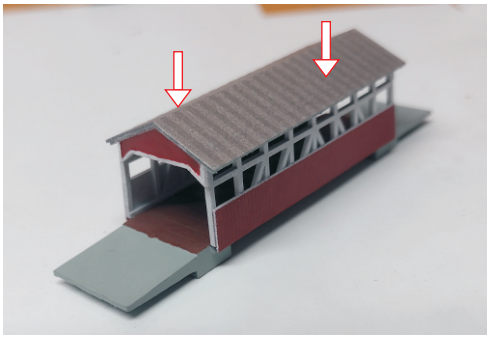
Final Assembly

To ensure that the roof fits correctly, the side pieces must be aligned both horizontally and vertically. To make horizontal alignment simple, the base of the bridge has 2 stops at one end (see below left). One end of the side piece should be touching the stop when it is glued in place. For vertical alignment, cut a .6 inch (15.2 mm) wide spacer out of very thick cardboard (or some other material, e.g. balsa wood or sheet plastic). Place the spacer between the sides of the bridge while the CA glue sets.

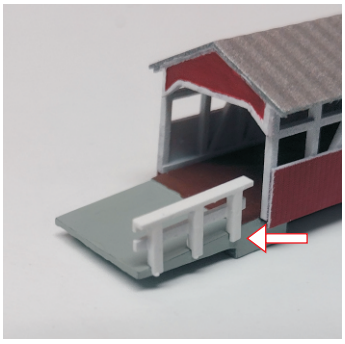




Step1 - Attach Sides to Base



Step 2 - Attach Roof



Step 3 -Attach 4 Guard Rails to Base