

TIMBER TRESTLE in N Scale

Kit No. 752 75202 form 752-576

ASSEMBLY INSTRUCTIONS

Every model railroad is different. Therefore this kit has been developed to be constructed into many alternate styles. Determine how long and how high your Trestle is to be, depending upon the surrounding terrain, and select the design that fits your space and plan best.

This Trestle kit contains sufficient material to construct the equivalent of thirteen one-story bents. However, as shown in Figure 1 these one-story units may be used in numerous combinations for varying heights and lengths of your Trestle.

A Tie Template is included for a Trestle of typical spacing for modern, heavy duty main line operation. The kit includes enough Ties for a maximum of 147 feet of this close spacing.

Sort and identify all of the parts and familiarize yourself with their locations on the model. Read thru the instructions and try to visualize each step before starting construction. The orthographic drawings are full size to enable using them as templates. In using the drawings as templates first check them against the wood parts. Sometimes changes in humidity or temperature will cause the paper and wood to shrink or swell making the drawings slightly out of scale. If the wood parts do not fit the drawings exactly work from the center splitting the difference. Some of the wood parts are "stock" sizes and must be cut to fit as construction progresses. Remember to use the stock-length wood wisely, always using the shortest pieces possible. Save all end-cuts and do not discard any excess material after a part has been cut.

If the model is to be stained, then this should be done before construction begins since the glue will seal the wood and the stain will not "take" at the joints. A weathered stain such as Campbell's Tie Stain or Floquil's Driftwood is recommended.

STEP 1 THE TIE-STRINGER ASSEMBLY

A1	4 pcs.	1/16 x 11/64 x 5-1/2 in.	Stringer material
A2	4 pcs.	3/64 x 3/64 x 5-1/2 in.	Guard Rail material
A5	9 pcs.	3/64 x 3/64 x 1-1/8 in.	Platform Ties
B1	136 pcs.	3/64 x 3/64 x 3/4 in.	Ties

Attach a piece of Scotch Tape, sticky-side-up, down the center, the length of the Tie Template, Figure 2. Tack or tape a straight piece of scrap wood to a straight-edge along the lower edges of the Ties in the drawing to keep the Ties even on the tape as you lay them in place. Now lay the Ties (A5 and B1) in position as shown. When they are in place glue the Stringers (A1) to the Ties aligning them with the center-lines of the drawing and with the Stringer joints meeting at the center Ties. When all are thoroughly dry turn the Unit over and carefully peel off the tape. Glue the Guard Rails (A2) to the tops of the Ties per Figure 2. Glue two pieces of Rail (not included) to the Ties. Leave some Rail extending at each end to make a smooth joint with the roadbed beyond the Trestle.

STEP 2 THE BENT ASSEMBLIES

A6	20 pcs.	1/16 x 1/16 x 2-1/16 in.	Vertical Posts
A7	25 pcs.	1/16 x 1/16 x 1-1/32 in.	Vertical Posts
A8	20 pcs.	.023 x .046 x 5-3/4 in.	Sill, Cap, Intermediate Sill & Sway Brace material

Fasten Figures 3 and 4 to a flat working surface. Attach a piece of waxed paper over these drawings. Use only the portion of each template needed for the height of the Bent you are building. For example, in building the low one-story Bent, use the upper portion of Figure 3. For a two-story Bent use the top of Figure 4. Glue the appropriate Posts (A6 and A7) over their drawing counterparts to the waxed paper using tiny dabs of glue. Cut the A8 stripwood to length for the Caps, Sills, Intermediate Sills and Sway Braces and glue these to the Posts as drawn. When each Unit is dry remove it from the waxed paper, turn it over and add the Caps, Sills, etc. on the other side of the Posts. Construct as many Bents as needed for the Trestle selected.

STEP 3 ASSEMBLING THE UNITS

Tape or tack the Final Assembly Template, Figure 5, to a flat surface. Fasten the Tie-Stringer Unit, upside-down, over the drawing. This template shows the locations of the Bents at the 18-1/2 foot (scale) spacing. Glue the Bents to the Stringers directly over the drawing. Be sure to center the Bents exactly and make certain that they are vertical. Hold each Bent in place against a square until the glue has set. If the Bents are not centered and vertical the Framing will not fit and the Trestle will be crooked.

STEP 4 THE GIRTS

A8	10 pcs.	.023 x .046 x 5-3/4 in.	Girt material
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With the Trestle still upside-down and fastened over the template cut and glue the Girts in place. The Girts are to span across three Bents. Cut enough stripwood into lengths of 2-3/4" each to support your Trestle design. Glue the Girts to the Posts of each Bent in place against a square until the Trestle is turned right-side-up the Girts are above the Sills. Refer to the Isometric Drawing.

STEP 5 THE DIAGONAL BRACING

A8	14 pcs.	.023 x .046 x 5-3/4 in.	Diagonal Bracing material
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Remove the Trestle from the template. Lay it on one side. Referring to Figure 6 cut the Diagonal Braces to length and glue to the Post sides going in one direction only for the inside Braces. Repeat this on the other side of the Trestle. Finally complete the Bracing by adding the strips to each side angled in the opposite direction.

STEP 6 THE BARREL PLATFORMS

A3	3 pcs.	.023 x .023 x 3 in.	Platform Railing & Post material
A4	1 pc.	.023 x 1/16 x 6-7/8 in.	Platform Planking material

Cut the A4 material into eighteen pieces, 3/8" long each and glue six pieces to each set of the extending Platform Ties. Refer to the Isometric Drawing.

Cut six Posts from the A3 wood and glue to both outside corners of each Platform. Cut three Cap Rails and glue across the tops of the Posts per the drawings. Cut six Angle Braces and glue to the sides of the Platform Assemblies, angling them from the tops of the Posts to the outside of the extending Ties. Refer to the drawings.

When completely dry touch-up with stain where needed and add the Fire Barrels on top of the Platforms.



Campbell Scale Models