

SL-and-N construction blog

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deemery
Senior Member
Join Date: Sep 2007
Posts: 11493


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09-05-2024, 02:48 PM #1426

Today was joists. First I put the bridge track in location, and marked the line of the two abutments. (I tacked the white paper into position with double-sided tape, something I use a lot in modeling.)

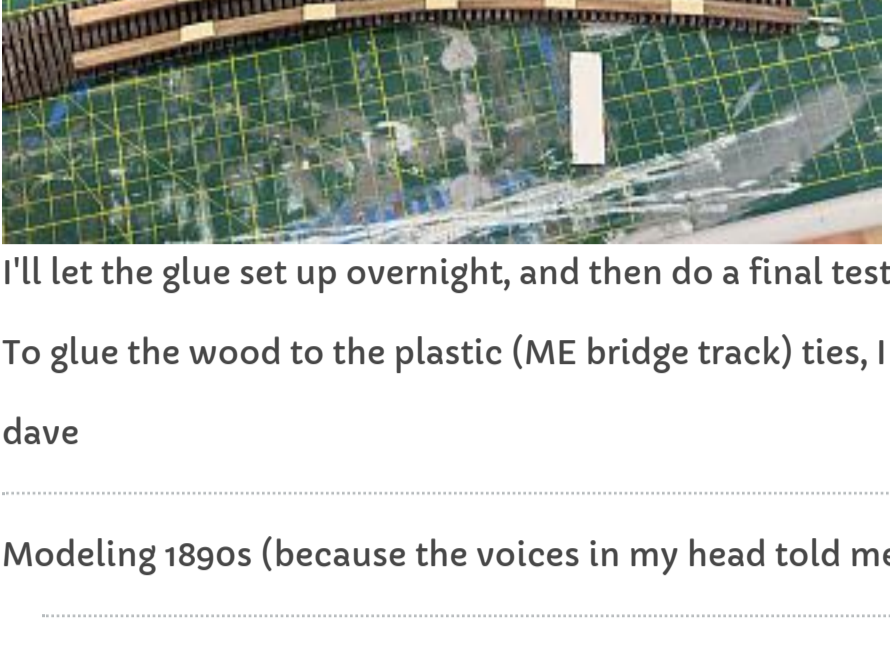


I cut along the outside of that mark, used a 1-2-3 block as a stopper, and test-fit down the first pair of joists. When I thought the angles were correct, I stuck them in place with double-sided tape. Then I sanded and -glued- the second set of joists, and proceeded to do the same for the rest of the joists. Finally, I removed the first set of joists and the paper, and glued them into position. I'll fix this to the side, if you have a sec!



A bit of sanding was required on the end, but that's OK. I repeated this process on the other side.

Finally, here's the test fit of the corbels. I'll stain those and glue them into place.



I'll let the glue set up overnight, and then do a final test fit and sand.

To glue the wood to the plastic (ME bridge track) ties, I used Deluxe Materials "Super Phatic", which is my go-to glue for disparate materials like this.

dave

Modeling 1890s (because the voices in my head told me to)

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railman28
Senior Member
Join Date: Mar 2010
Posts: 6713

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09-05-2024, 03:45 PM #1427

Sorry I've been "away", you're making good progress on your trestle. On my pile trestle I used 12' spacing, on my framed trestles I used 16'.

Bob

It's only make-believe

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PRR Modeler
Senior Member
Join Date: May 2022
Posts: 2114

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09-05-2024, 05:08 PM #1428

This is an interesting build. I look forward to seeing your progress.

Curt Webb

Freelanced PRR Bellevue Sub

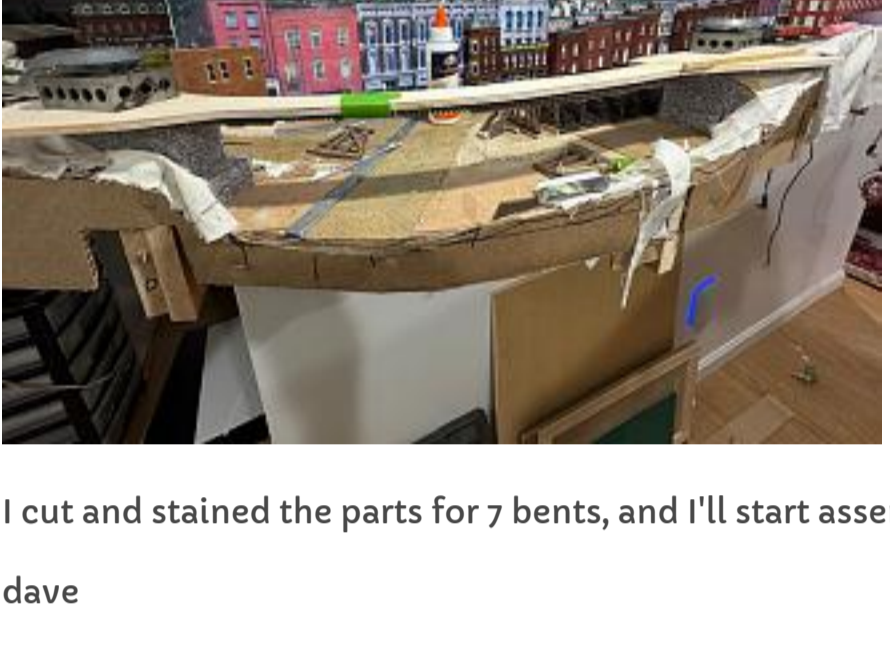
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deemery
Senior Member
Join Date: Sep 2007
Posts: 11493

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09-08-2024, 01:44 PM #1429

Here's the "splint" to hold the track level, so I can measure the exact height for each trestle bent:



I cut and stained the parts for 7 bents, and I'll start assembling them tomorrow.

dave

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Michael_Hohn
Senior Member
Join Date: Sep 2012
Posts: 12238

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09-08-2024, 04:28 PM #1430

That should work.

I was so much older then, I'm younger than that now *Bob Dylan*

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deemery
Senior Member
Join Date: Sep 2007
Posts: 11493

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09-08-2024, 05:31 PM #1431

It took me 20 minutes to sort through the pile of sticks that are the bent parts. That's because the difference between 10x12 and 12x12 isn't all that much, and several pieces are close to the same length. But that's done, so I'll be ready to do bents tomorrow, although we have a pretty full day of other stuff.

I'm still pondering whether I should glue the bents to the (inverted) bridge, or glue the bents to the ground underneath the bridge.

dave

Modeling 1890s (because the voices in my head told me to)

1 comment

railman28 commented
09-09-2024, 02:32 PM #1431.1

Dave, I always glue the bent to the trestle - in effect building it upside down. It's just so much easier to do the scenery around the bents.

Bob

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Bill_Gill
Senior Member
Join Date: Dec 2014
Posts: 4253

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09-08-2024, 05:54 PM #1432

Dave, I think I'd glue the bents to the inverted bridge because it will be better to fill any gap where a bent doesn't touch the ground rather than fill a gap where a bent doesn't reach the bridge.

1 comment

deemery commented
09-08-2024, 06:08 PM #1432.1

Hmmm... I was kinda thinking the opposite. With the bridge (temporarily) in place, I can position, shim, and glue the bents to contact the bridge. Less risk of bashing things when moving/installing the bridge, plus much easier to do scenery between the bents without the bridge in position.

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PRR Modeler
Senior Member
Join Date: May 2022
Posts: 2114

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09-09-2024, 06:17 AM #1433

Dave on my ME viaduct bridge I glued the bents onto the bridge, mounted the bridge then filled in under the bents as necessary, but either method works.

Curt Webb

Freelanced PRR Bellevue Sub

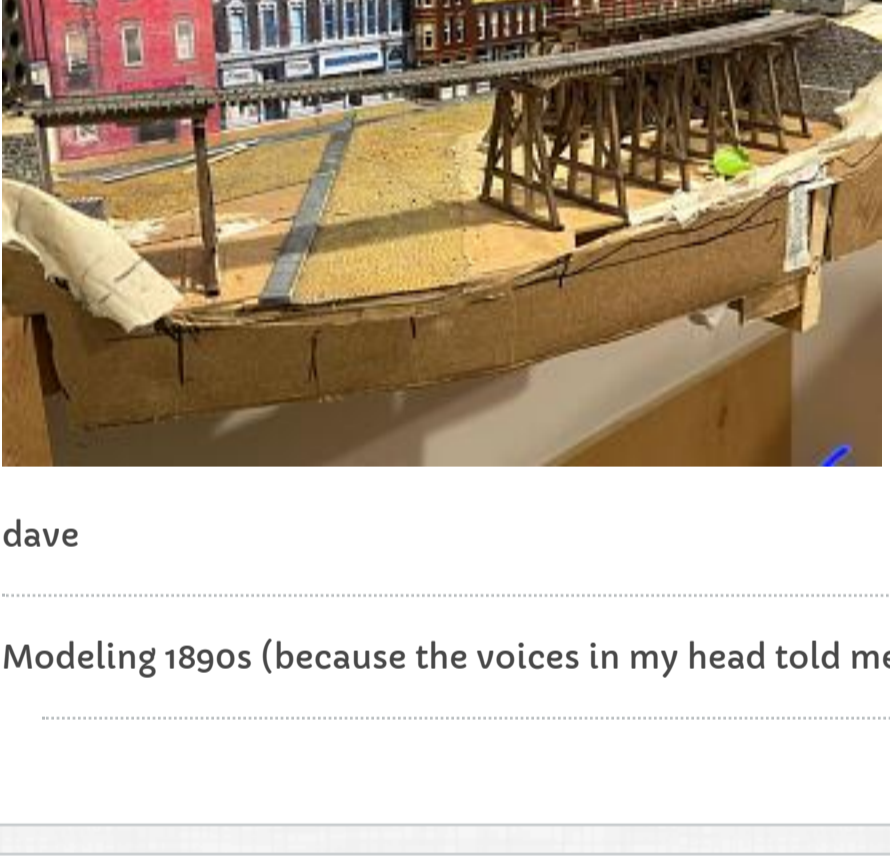
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deemery
Senior Member
Join Date: Sep 2007
Posts: 11493

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09-10-2024, 02:55 PM #1434

I have a lot more tuning to do on individual bent heights, but at least it looks like a trestle bridge now.



dave

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Larryc
Senior Member
Join Date: Jan 2009
Posts: 4318

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09-10-2024, 04:44 PM #1435

Wow Dave!!! The trestle looks great so far. Keep up the great work and have fun.

Owner of the Pratt's Hollow SL RR
<https://railroad-line.com/node/h092890>
<https://www.ussvigilant.blogspot.com>

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PRR Modeler
Senior Member
Join Date: May 2022
Posts: 2114

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09-10-2024, 05:10 PM #1436

I agree with Larry, that looks great.

Curt Webb

Freelanced PRR Bellevue Sub

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Rick
Administrator
Join Date: Apr 2002
Posts: 29972

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09-10-2024, 05:34 PM #1437

Dave, it sure does look like a trestle bridge. Good job!

Follow along as my dog and I travel the country in our van.
Facebook link: <https://www.facebook.com/A-Dog-A-Van-and-A-View-108345371976229> YouTube: <https://www.youtube.com/@Rick5727>

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deemery
Senior Member
Join Date: Sep 2007
Posts: 11493

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09-10-2024, 05:53 PM #1438

Particularly since the bridge is on a curve, the truss part will have to be wider than normal. That means the bents underneath the bridge will have to be wider. That'll look a bit strange, but overall I think it'll look OK. But first I'll get the rest of the bridge done, leveling the bents underneath the bridge. Then I'll start on the detailed design work for the bridge (simple king post, 44' length.)

dave

Modeling 1890s (because the voices in my head told me to)

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Michael_Hohn
Senior Member
Join Date: Sep 2012
Posts: 12238

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09-11-2024, 08:35 AM #1439

Nice job, Dave.

I was so much older then, I'm younger than that now *Bob Dylan*


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deemery
Senior Member
Join Date: Sep 2007
Posts: 11493

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09-11-2024, 09:32 AM #1440

Another view of the test-fit. I really like this particular view. You can see the curve where the truss will go.



add: After looking at this again today, here's my tactical plan: (1) add NBW to the bents. Drilling through the bracing into the posts and cutting long tails on the NBW castings actually adds strength to the bents. (2) touch up the paint, etc (3) Then locate the bent in the middle (closest to the road) and carefully install that to hold the bridge level and square (across the track), (4) then add bents to either side. If the bent is too tall, I'll sand the bottom mud sill. If the bent is too short, I'll shim it up probably with styrene strips. This will probably take a couple of days, assuming I don't run out of NBW castings. (If so, Tichy mail order is very quick.)

dave

Last edited by deemery; 09-11-2024, 10:25 AM.

Modeling 1890s (because the voices in my head told me to)

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Denim

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