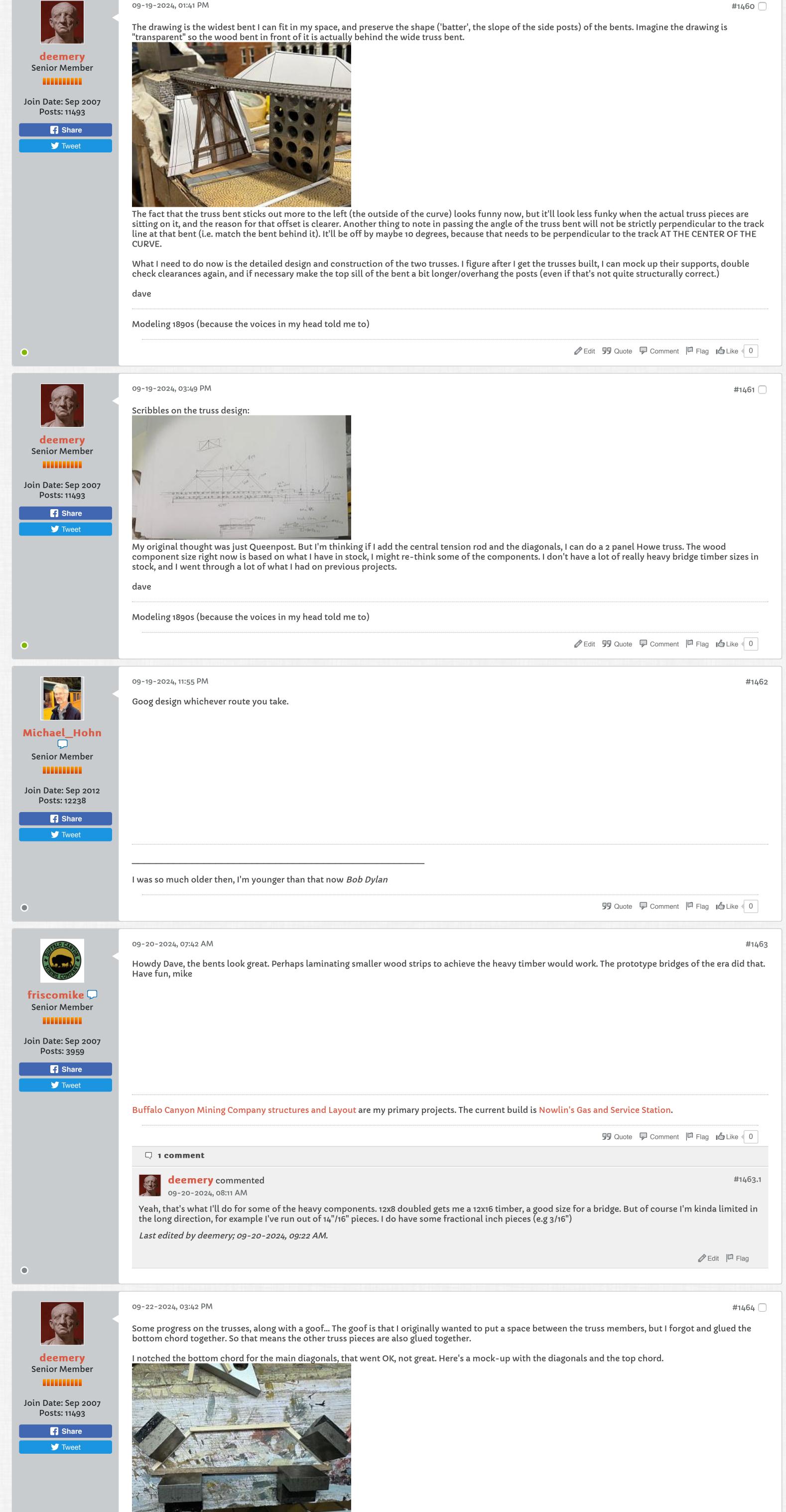
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## SL-and-N construction blog

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	09-17-2024, 03:05 PM #145 Really nice modeling so far Dave.
	Curt Webb
•	Freelanced PRR Bellevue Sub
deemery Senior Member	09-17-2024, 03:56 PM       #1457         I spent some serious time on the truss bridge. If I keep to NMRA standards, the base of the trestle bents will stick out a lot more than will fit. So I put my longest car (60' passenger car) and then measured actual clearances on the bridge. They're about scale 2' over the bridge tie lengths. So if I fudge a bit, I should be able to make the bridge fit on the bents and preserve the 'batter' (angle of the sloped posts in the bent.) The bridge itself will be pretty easy to build, I did a more complex Howe truss last year.         I think I have a computer drawing of the bents, I'll see if I can use that to mock up the bent.         dave
	Modeling 1890s (because the voices in my head told me to)
•	🖉 Edit 妤 Quote 🖓 Comment 🏳 Flag 🔥 Like 🚺
CB&W	09-17-2024, 07:26 PM #145 You could use an underslung truss bridge, if you have the space under the track. George
	Before each flight, make sure that your bladder is empty and your fuel tanks are full.
	Duote 🖓 Comment 🏳 Flag 🔥 Like 🚺
	□ 1 comment         Image: mark of the start of the
o C	09-17-2024, 08:52 PM #145 Can you give the name/number NMRA standard you're troubled by, or a link to it? Trucks were generally fairly close to cars' ends in your era, and equipment was short, so usually the largest overhang was towards the inside of the curve. But not necessarily with steam locos.
۲	James
	99 Quote 🖓 Comment 🏴 Flag 🔥 Like 🚺
	□ 1 comment deemery commented #1459.1



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	Modeling 1890s (because the voices in my head told me to) 
<image/> <section-header><section-header><section-header><text><text><text><text><text></text></text></text></text></text></section-header></section-header></section-header>	09-22-2024, 04:54 PM       #1465         Your truss bridge is going to be an engineering thing of beauty.       Mike
	I was so much older then, I'm younger than that now <i>Bob Dylan</i>
	ワワ Quote ♀ Comment 🏳 Flag 🔥 Like 🚺
•	#1465.1         \$\mathcal{G}_22_2_2024, 05:42 PM\$         It won't be quite as detailed as the HOn30 truss, but that's OK. It will be in a much more visible location, though.         \$\varnothermole{Flat}\$
<image/> <text><text><text><text><text><text></text></text></text></text></text></text>	09-23-2024, 12:56 PM #1466 #14 the challenge today (other than being hungry, I'm on liquid diet for the rest of the day) is figuring out the truss bridge bent width. I have the wood parts of the truss glued together. Now I have to determine how wide to space the trusses on either side of the curved track, allowing the spread for a 60' car overhang. This shows the bent for my measured min clearance of .85 plus an extra .1 and truss width of .25" on the actual bridge curve with a 60' car. The constraint is the size of the mud sill, I can fit max 3.70 in the available space. Truss is .25 wide Truss
	dave Last edited by deemery; 09-23-2024, 01:07 PM. Modeling 1890s (because the voices in my head told me to)  Pedit 99 Quote P Comment P Flag Like 0
<image/> <text><text><text><text><text><text></text></text></text></text></text></text>	09-23-2024, 04:40 PM #1467 Check your steam locos too; IIRC steam overhang can be asymmetric (usually the pilot swings more, but not always).
	James
	99 Quote   P Comment  Flag  L H G Unlike  1
	deemery commented #1467.1
	09-23-2024, 06:16 PM Well, my 4-4-0s are probably no problem. I wonder about my big 2-8-0. Or maybe it's just a bridge restriction on a branch line (B&M had those, of course

 $oldsymbol{0}$ 

Join Date: Sep 2007 Posts: 11493

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## 09-25-2024, 02:36 PM

:-))

## deemery Senior Member Join Date: Sep 2007

Posts: 11493 **f** Share 🏏 Tweet

I taped together the two trusses and drilled through the bottom chord for the lateral tension rods (underneath the track). Then I glued a couple of the joists that hold the sills that the ties rest on.



Here you can see the tension rods a bit better, but not the joists.



The 1-2-3 blocks hold the trusses into position. There's a steel bar (from a combination square) across the joists with the right-angle blocks on either end to hold those into place. Once these first couple joists are set, I'll go back and glue the remaining joists, and then add the weights back. This should keep the trusses true (level and plumb.) I also ordered some of the San Juan Details (nee Grandt Line) 5156 open core Nut and Washer castings. These have a .020 hole, which will fit right over the .020 tension tension rods you can see poking out in the 2nd photo. Hopefully those will arrive Saturday.

dave

🖉 Edit 99 Quote 🖓 Comment 🏳 Flag 💪 Like 🚺 09-26-2024, 11:45 AM The truss bridge is basically taped to the bottom of the track to see how it looks: deemery Senior Member



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

I have to start on the bents that will hold up the bridge. On the left side next to the road, there are two pieces of white styrene. The longer one is the marker for the truss bent. Same thing on the other side, although that piece got bumped when I was doing this mock-up. dave

*Last edited by deemery; 09-26-2024, 02:06 PM.* 

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

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	09-26-2024, 02:05 PM Very nice bridge Dave.					#1470
PRR Modeler						
Posts: 2114 Share  Tweet						
	Curt Webb					
	Freelanced PRR Bellevue Sub					
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