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## SL-and-N construction blog

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Orionvp17   Senior Member   Orion Date: Feb 2007   Posts: 8839	06-07-2020, 04:23 PM       #676         Nicely done, Dave, but if that is true PC board with copper on both sides, and you have not yet gapped the underside, you may find some nasty surprises down the road. Sneak circuit down the screw, under the board and back up the other screw for a short :erm:       Pete         in Michigan
•	😼 Quote 🖓 Comment 🏴 Flag 🔥 Like 🚺
<image/> <image/> <section-header><text><text><text><text><text></text></text></text></text></text></section-header>	o6-08-2020, 03:04 AM #677 □  ff exte:      Criginally passed by Okomp17      Nicely done, Dave, but if that is true PC board with copper on both sides, and you have not yet gapped the underside, you may find some nasty surprises down the road. Sneak circuit down the screw, under the board and back up the other screw for a short serm:     Pete     in Michigan  That shouln't be an issue, since there's wood underneath the screws. But I'll put the voltmeter on it and check. dave  Modeling 18gos (because the voices in my head told me to)
<image/> <section-header><section-header><text><text><text><text><text></text></text></text></text></text></section-header></section-header>	o6-o8-2020, 03:49 AM #678 Well done Dave. And a nice tutorial. Jerry
	"And in the end, it's not the years in your life that count. It's the life in your years." A. Lincoln
	😼 Quote 🖓 Comment 🏳 Flag 🖆 Like 🗸 O
Image: constraint of the end	06-08-2020, 08:26 AM       #679         Pete finally got me to understand the short circuit through the bottom of the PC Board. So the problem was how to cut a notch underneath without ripping everything out. On the outside tracks, it wasn't too hard, since those were short sections that lead to the PC Board crossing.         On the bridge itself, the challenge was to get access to the bottom without having to relay all of the track. I carefully pried up the track and then used a triangle file to cut the notch from underneath.         An advantage of caulk is it's easy to remove/reposition track, slip a thin blade putty knife between the track and roadbed. Then you can put a light coat of caulk to refasten the track.
Posts: 11493	The other problem is figuring out how to check the notch. I've found a small make-up compact is invaluable for trackwork!





Finally, a photo of the drop gate dropped, its normal location.



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

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06-08-2020, 08:58 AM #680 Why not cut a notch in between the outside rails and the screws? That would isolate the screws from the rails. Chuck wvrr 🖵 Senior Member Join Date: Sep 2002 Posts: 7214 **f** Share 🎔 Tweet 99 Quote 🖓 Comment 🏳 Flag 🔥 Like 이 06-08-2020, 09:14 AM #681 🗌 quote: **deemery** Senior Member Originally posted by wvrr Why not cut a notch in between the outside rails and the screws? That would isolate the screws from the rails. Chuck Join Date: Sep 2007 Posts: 11493

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Tweet	Well, darn! That would have been A LOT EASIER! (You can tell that I'm not used to reasoning about electrical connectivity :erm: :erm: :erm: ) dave	
	Modeling 1890s (because the voices in my head told me to)	
	06-08-2020, 11:02 AM Chuck is correct on this one, AFAIK (I'm not an engineer, don't play one on Tee-Vee, and didn't sleep in a Holiday Inn Express last night), but I should have	
Orionvp17 Senior Member Join Date: Feb 2007 Posts: 8839	seen and suggested that option on the front end of the off-list discussion with Dave Sorry Dave It's been a Long week here, and I'm probably more tired than I think 🙄 [ )] Pete in Michigan	
Posts. 8839	99 Quote 🖓 Comment 🏴 Flag 🔥 Like 🚺	
deemery Senior Member	o6-o8-2020, 11:30 AM Well, I did get to test the adjustability of the track on the gate, I know I can wiggle it a bit if I need to because of expansion/contraction. dave	
Join Date: Sep 2007 Posts: 11493 Share Tweet		
●	Modeling 1890s (because the voices in my head told me to)	
Failman28 Senior Member	06-08-2020, 11:43 AM #684 At least you can see the silver lining. Bob	
Join Date: Mar 2010 Posts: 6713 Share Y Tweet		
	It's only make-believe 55 Quote 🖓 Comment 🏳 Flag 🔥 Like 🚺	
wvrr Senior Member	06-08-2020, 12:35 PM I only wish I saw Pete's comment, earlier, Dave. Chuck	
Join Date: Sep 2002 Posts: 7214 Share		
	55 Quote 🖓 Comment 🏴 Flag 🔥 Like 🚺	
deemery	06-08-2020, 02:10 PM #686 Here's the interim wiring:	
Senior Member Join Date: Sep 2007 Posts: 11493	I'm kinda all "clevered out" at this point. But the way it's wired is that one rail is fed from each approach. About 5" of approach track on each side is also wired into the bridge. So if the bridge is connected, the bridge track and both approaches have power. If the bridge is not connected, then neither approach track has power. I also connected the remaining parts of the main line, soldering feeders and connecting them into the track bus. So tomorrow, at least in theory, I can run a train around the entire layout in a big circle. dave	
•	Modeling 1890s (because the voices in my head told me to)	
	06-08-2020, 02:58 PM #687 Running a train around sounds therapeutic to me Enjoy!	
Orionvp17 Senior Member Join Date: Feb 2007 Posts: 8839	Pete in Michigan	
Tweet	99 Quote 🖓 Comment 🏴 Flag 📫 Like 🚺	
Failman28   Senior Member   Join Date: Mar 2010   Posts: 6713	o6-o8-2020, 04:25 PM Dave, right in the middle you a potential short. Your isolation cuts are not aligned giving you about 1/8" where the plates overlap and could short out with a little help. A little nail polish will safe guard things. Bob	
✓ Tweet	It's only make-believe Duote P Comment P Flag Like 0	
	06-08-2020, 04:58 PM #689 Good eye, Bob!	
Orionypt? Senior Member Join Date: Feb 2007 Posts: 8839 Share	Pete in Michigan	
	99 Quote Comment P Flag Like 0 06-09-2020, 03:52 AM #690 Dave had mentioned the misaligned cuts earlier; that was what my suggestion of filing at an angle to remove copper at the edges was intended to fix.	
jbvb C Senior Member Join Date: Dec 2007 Posts: 8212	Dave had mentioned the misaligned cuts earlier; that was what my suggestion of filing at an angle to remove copper at the edges was intended to fix.	
Tweet	James	
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