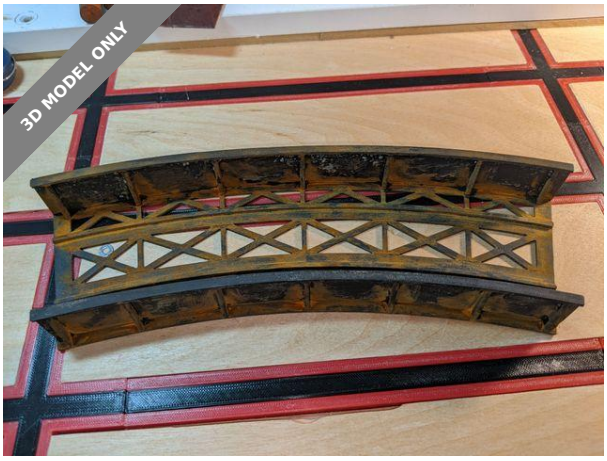

HO Scale Curved Steel Girder Bridge

SDHayes

VIEW IN BROWSER

updated 24. 2. 2022 | published 24. 2. 2022

Summary

60 degree turn, 18" radius flat steel girder bridge in HO scale

Hobby & Makers > Other Ideas

Tags: bridge railroad modelrailroad hoscale

I borrowed a basic design from Thingiverse and re-engineered it for a couple of crossings I will have on a future model railroad. Not super excited about the rust effect paint I used so ignore that as it was a first attempt on this sacrificial prototype, but I am pleased with the bridge.

I split the rails from the deck and used superglue to attach the parts, but you could easily print the entire assembly as one piece if you prefer and are willing to add some supports. I was trying to get away from supports and wasn't sure of the quality I'd get on the underside of the top rails if I tried to bridge them as they are pretty long, so I split them rails off and printed them upside down with no supports required. The deck section prints in it's native orientation, flat on the bed.

Model files



bridge-rail-long.stl



bridge-rail-short.stl



bridge-deck.stl



bridge-rails-both.3mf



bridge-deck.3mf

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