

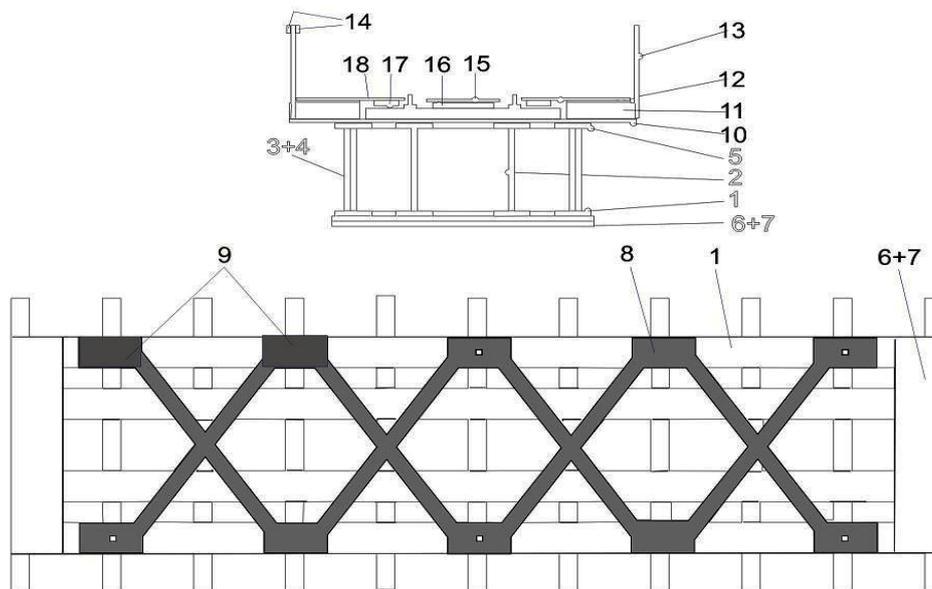


*We can find the original bridges these types in the places of crossing railway and road or small watercourse. The supporting parts of the bridge form typically 4 main beams which are connected by crossbeams with the supplemented runboard. The length of the bridge is about 5-10m. The bridge is sit at the abutment piers from stone blocks. The original grey painting is often overlayed by brown mixture of oil, rust, phenol and dust.*

**Preparatory works:** First read the instructions carefully and look at all parts of the construction set. Think over each step of construction process and prepare all necessary tools and materials. Carefully remove all parts of the construction set from the cardboard – including the small bridge and all incisions which are throughout the cardboard. Prevent any undesirable breakage by carefully removing any parts that may not have been correctly created during the laser-cutting. I recommend to paint all parts of the bridge before the construction in grey colour. You can spray the cardboard e.g. paint in the spray.

**Necessary tools and materials:** alcohol's paints, dispersed and seconds glue, knife for modellers, scalpel, cutting backplatte, steel rule, eraser, forceps, brushes numer 4.

**Set bridge:** Stick parts 2x 2 and 2x 3 subsequently into part 1. Glue the reinforcements with pins 12x Nr.4 on the both parts 3 (on the marked places). Close the bridge by upper part Nr.5. All parts fit into the locks and so it is impossible to make mistake. Another parts will be put down on the outstanding locks, don't cut it! Glue the baseplate 2x 6 from the bottom side of the bridge and parts 2x 7 on them. Glue the straining beam 8 and the reinforcements with pins 10x Nr.9 on it. The lower part of the bridge is completed. Stick part 10 on the upper part of bridge. Parts 11 are glued from the edge of reinforcement so that the place on the ballast has to stay between them in the middle of bridge. Close it from above by parts 12 and so the transverse reinforcements (I) set in.



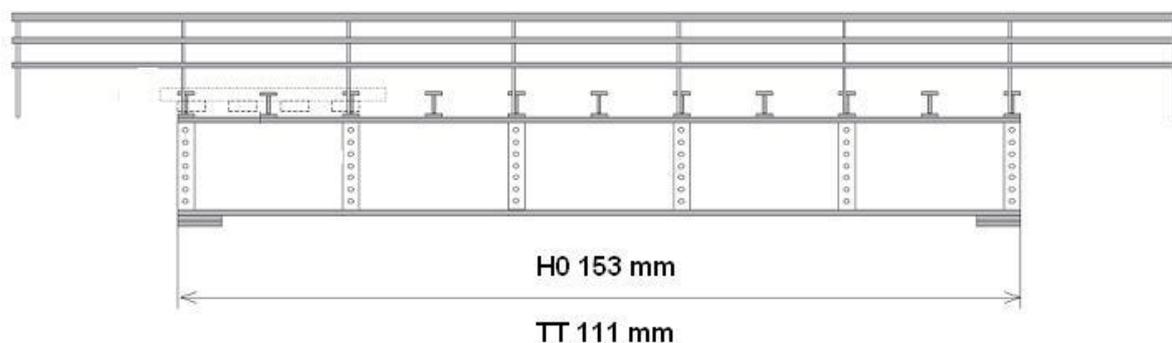
Now glue the pad 15 on the centre of sleepers between rails (it would reach to the crown of rails after application the upper metal plate 17). The metal plate 15 is needed to underset according to the needs i.e. stick the stout belt from the cardboard between parts 15 and 16. Attend to the same width of space between part 15 and the rail. Glue the reinforcements 17 on part 18 from the bottom side from the edge. Glue the both part 18 with the reinforcements 17 on part 12 from the edge of bridge (on the backstop to the rail). Complete the banisters 2x 13 – glue part 14 on the upper handrail from the each side. Insert the banisters on the bridge – the outer column is anchored on the pillars, others are glued to part 11. Paint the banisters and covering metal plates according to your own observation and consideration.

*The construction's instruction is only orientational which more so describes the individual construction steps of the building, not a concrete modeller's technology. Each modeller has their own methods of working. It depends on the modeller how the final product will look like.*

*You can buy the bridge pillars high 70mm (H0) or 51mm (TT) cat. number čísla **LAS 4400 TT** and **LAS 5400 H0**.*

*The same model of bridge was described and the construction's instruction was published on the website of the Club of railway modellers Prague 3 ([www.kzm-praha.cz](http://www.kzm-praha.cz)).*

#### Size of model:



*Have fun with this project! If you have any questions or would like further models of buildings, please contact me ([domecky.info@centrum.cz](mailto:domecky.info@centrum.cz)). Further models of railway buildings are offered on the website [www.kb-model.eu](http://www.kb-model.eu). You can download this construction's instruction there, too.*

*Karel Barták*