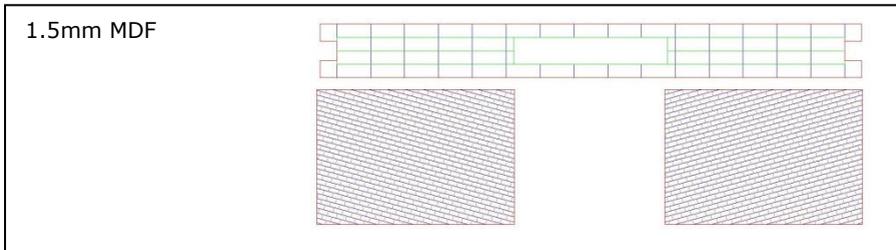




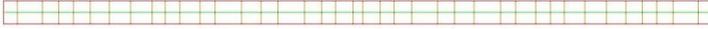
KS44-08-02 Assembly Instructions.

This double bridge is closely based on the Grange Court Junction road bridge. Grange Court Railway Station was a junction station on the South Wales Railway in Gloucestershire (on the present day Gloucester to Newport Line) where it met the Hereford, Ross and Gloucester Railway. Grid reference SO726161

Familiarise yourself with all the parts and read through the instructions before starting the assembly. Some of the parts may need a light sanding along their edges to remove small tabs.



0.8mm PLY



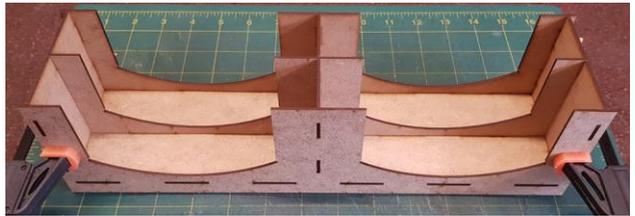
Making the arch formers

Glue the circular segments to the arch former bases using the rectangular pieces to keep it straight and square. Put them to one side to set.



Bridge super structure

The superstructure comprises of the road bed, two sides and a centre, two ends and a centre cross brace. Glue these together, making sure that all the tabs slot into the correct holes



Front and back walls

Glue both walls onto the superstructure, making sure they are level at the top and ends. Pegs make good clamps.

Time for a coffee or tea break, fill a kettle to its maximum and switch on.

Once the kettle is producing steam hold the brick arch barrel, brick face away from the kettle, in the steam. **Be careful steam can scald so wear gloves.** The brick arch barrel should start to become flexible and you should be able to start to bend it into an arch. Take your time and you will have the right shape. (The photo is not of this bridge)



Use some clamps to hold it in shape while it cools down.



Now make that well-earned coffee or tea.

Gluing in the barrels

Apply glue to the curves on all the underside of the superstructure and push the arch barrel in place. Use the arch formers you made at the beginning to clamp the arch barrel in place and apply even pressure. The two side walls may need the back top edge sanded down so they fit with the bottom level with the front walls. Once you are satisfied they fit glue and clamped into place. (The photo is not of this bridge)



Finishing of the front walls

There are two small 2mm mdf pieces and one long 0.8mm ply piece that are glued to the outside of each wall and a 2mm mdf pieces that forms the parapet wall that is glued to the inside.



On top there is a single 1.5mm mdf pieces that forms the coping stones.



The wing walls



the coping stones.

Each wing wall has two 2mm mdf pieces glued to the inside top sloping edge, this is to give the wall an thickness equal to the parapet wall.

On top there is a single 1.5mm mdf pieces that forms

The wing walls can be glued to the front walls once the bridge has been placed. (The photo is not of this bridge)

