



Bridge Assembly

B20-DIDG-xxx



Please read these instructions fully before starting construction.

PVA or equivalent glue will be required to stick sections together.

Sand paper can be used to gently clean any joints.

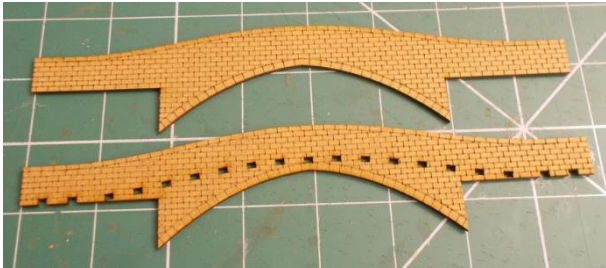
A sharp modelling knife will be required to remove sections from the sprue. Please use knives with due care and remember to cut away from yourself at all times.

During the construction of this model, you may find it convenient to use pegs / elastic bands to hold pieces in place while you allow glue to dry.

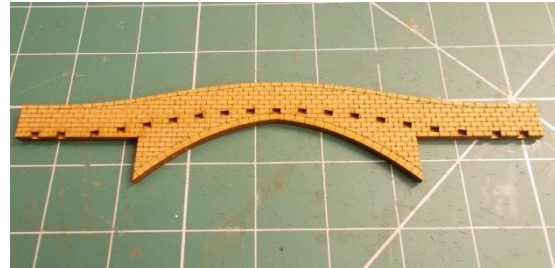
Arched Bridges for use with EMB tiles

Single Span arched bridges

The length of these vary, but the technique to build them is the same. For longer bridges the central section of roadway is supplied as a single piece rather than multiple smaller ones.



Remove the pieces for one side of the bridge from the sprue.



Glue the pieces back-to-back to form a thicker section.



Glue the pieces of roadway into place – note the end sections are left off at this stage.



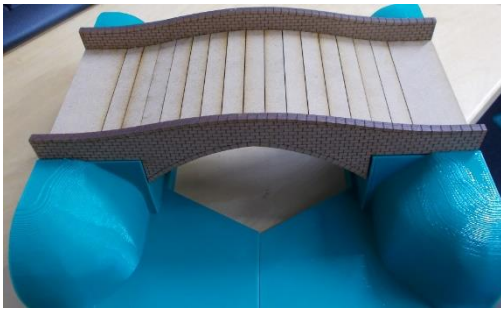
Add the inner face of the other side of the bridge, gently guiding the ends of the roadway into their appropriate slots.



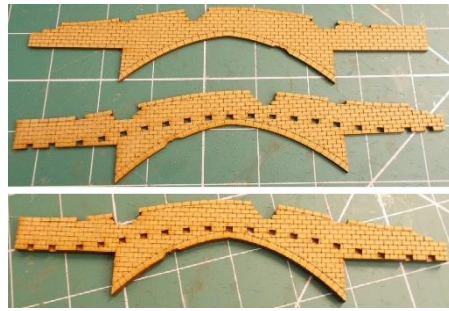
Glue the outer face of the bridge into position.



Turn the bridge onto its back and add the end sections.



An example of the bridge in use on a pair of embankment (EMB-035) tiles.



If you are building a “damaged” bridge ensure the damage on each of the pieces that are to be glued back-to-back match up.

If the bridge is to be used with EMB sections that have rounded edges rather than square ones, additional pieces have been included in the kit to fill in this space. They should be glued into position under the bridge as appropriate.

Multi-part arched bridges

For longer arched spans it is necessary to split the bridge into two or more parts.



Each end of the bridge is built the same way as the single span, but note there is a lug on one end which sticks out from the inner wall on each side. This is designed to slot into the support column.



For bridges which are even longer an additional centre section is included, which has a lug at each end. There are also support bars which go across under the roadway to help stabilise the piece.

Arched Bridges for use with RIV and HWY tiles

These are built the same way as those used with the EMB tiles – in that they can be single span or multi-part (with support columns) as appropriate but they do not have any sections which sit below the level of the roadway.



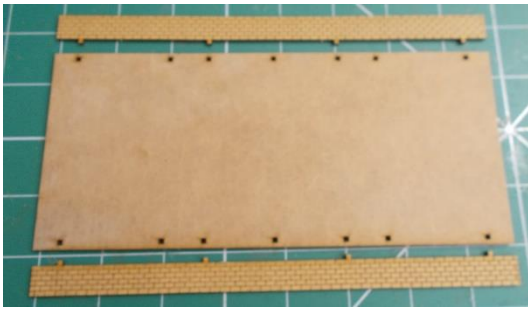
Single span RIV/HWY bridge.



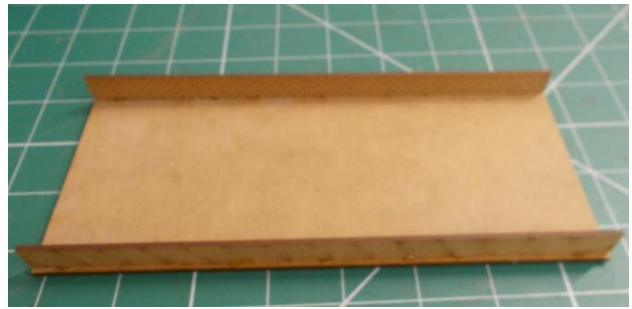
One end of a multi-part RIV/HWY bridge

Flat Bridges for use with EMB tiles

These can be built with either a brick/stone parapet or a fence.



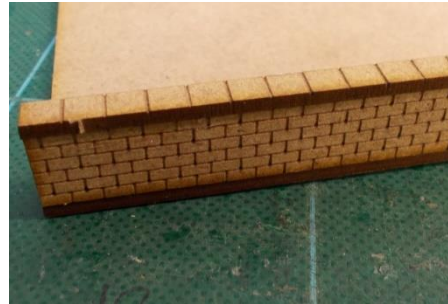
If you are building a brick/stone bridge - start by removing the roadway and inner wall pieces from the sprue.



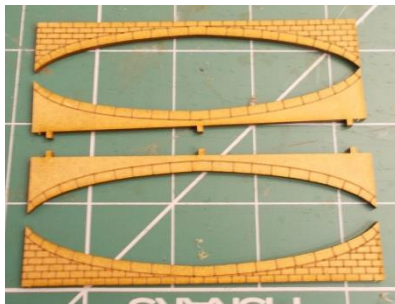
Glue the inner walls to the roadway as shown. Note – the etched detail on the inner walls should face inwards.



Attach the outer wall pieces.



Glue the strip of coping stones on top of the wall.



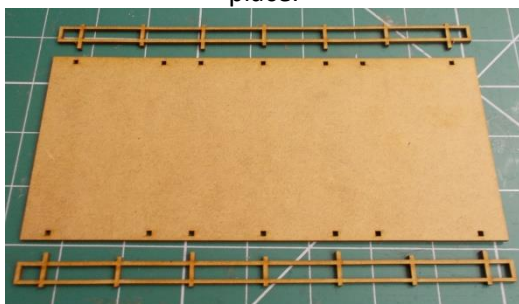
Take the bridge supports



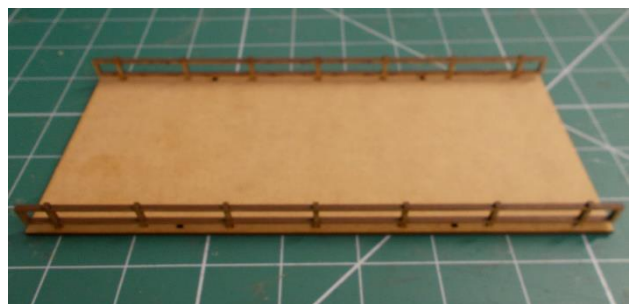
Glue the inner wall of the support to the underside of the roadway.



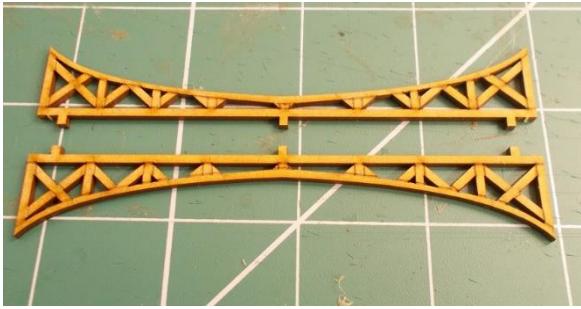
Then glue the outer wall of the support into place.



If you are building a fence-sided bridge, take the roadway and fences from the sprue.



Attach the fences to the roadway.



Take the wooden support sections.

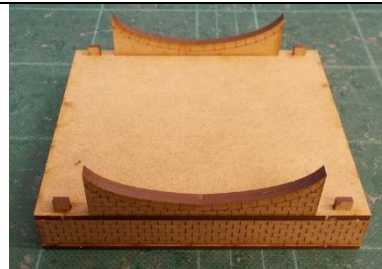


Glue them to the underside of the roadway with the etched detail facing outwards.

Multi-part flat bridges:



As with the arched bridges, each end of a flat multi-part bridge has a lug at one end to slot into a support column.



A flat centre section showing the lugs at each end.

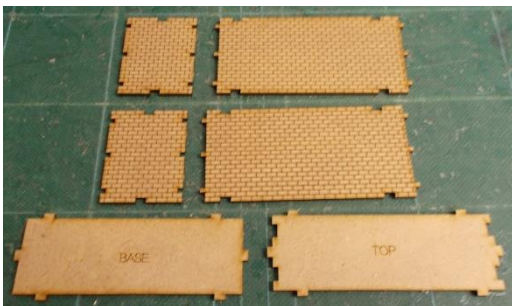
If the bridge is to be used with EMB sections that have rounded edges rather than square ones, additional pieces have been included in the kit to fill in this space. They should be glued into position under the bridge as appropriate.

Flat Bridges for use with RIV and HWY tiles

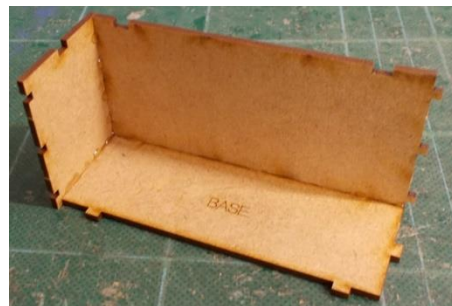
These are built exactly the same way as the flat bridges for the EMB tiles, but they do not include any supports to go underneath the roadway.

Support Columns

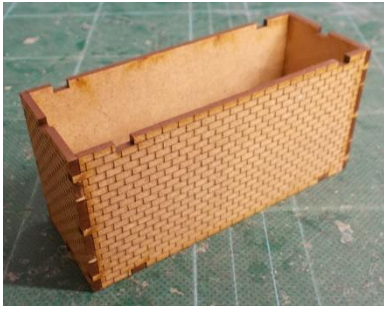
The longer multi-part bridges make use of central support columns which are all constructed the same way regardless of their size. (The example shown here is a 98mm wide column.)



Take the base, top and sides of the column from the sprue.



Glue the one end and one side wall to the base. **Note:** the text on the base is facing upwards and the sides only fit the base in one orientation.



Attach the other end/side.



Add the top piece being sure not to get glue around the holes.



Some of the different size/shape columns provided with the bridge kits.