

Bill Harvey Bill Harvey Associates Ltd and OBVIS Ltd

April was an even more frantic month than usual so here we are three days late. Hope to do better in May.

Another demolished bridge with some interesting features. This one at <http://g.co/maps/3rnrnc> near Haxey in Lincolnshire, west of the Trent. At least, I think that's where it is. It's a long time since I took the photo. If I have the right line, it was built as a light railway in about 1900 (<http://www.lner.info/co/AJR/timeline.shtml>). The Railway is long gone closed in 1956. The farmers have yet to decide that the buried land under the embankment is too valuable to leave but they have removed a chunk of bridge to improve access.



I don't have dimensions either, though this is an access bridge and like most such was probably 12ft (3.66m) span.

The remains are interesting because they provide cross section details of construction showing how the engineers used brickwork and concrete to best advantage, delivering a robust shell and a cheap and strong interior.



One abutment remains untouched. Here we see the skew arch springing and concrete haunching. A closer look at the right hand side shows rather more detail.



The other abutment has been cut off revealing the internal construction.

The opposite abutment has been cut right back to reveal the internal construction of a brickwork box filled with concrete. The walls are about 18" thick so the voids are about 2'6". That's about 450mm and 750mm.



Here we can see an array of detail. Not only is the relatively thin arch backed with concrete, but the spandrel wall is built a mere 9" (225mm) thick and then concrete cast against the inside.

Also visible in this picture is the asphalt waterproofing applied to the top of the concrete.



A close up of the cut face shows relatively low quality concrete and even the brickwork has mostly empty perpenders.

## **News and Events**

In June Bill has to be in Scotland on 22nd and will run a seminar sometime around then.

Bill's Sutherland History Lecture from 16th Feb is now available to watch on the web at <http://www.istructe.org/resources-centre/webinars>

After a long struggle with the new protection software we think that the Demo, available from <http://www.obvis.com> is now stable and can be properly activated when paid for. It will work in standalone or network mode. If you are ready for an update or thinking of buying please download this version and then contact us for activation.

A very minor bug was discovered yesterday and is being ironed out today.

We are now ready to embark on the next phase of proper development.