



Slinden Services Ltd

Cast Iron Welding & Metal Stitching Repairs

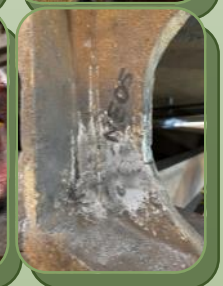
Grade II Listed Rail Bridge

We are pleased to have been part of a multi-skilled task force, undertaking repairs to the earliest cast iron railway bridge still in place over an operational line anywhere in the world! Built between 1830 – 1834, this Grade II listed bridge has spanned the reign of 8 monarchs and is recognised by Historic England as one of the most significant structures on the Transpennine route... overlooking steam trains during the area's textile boom of the Industrial Revolution, and as the main access bridge for the nearby Munitions Factory during WW1.

Our team firstly travelled to site to survey and quote for the significant amount of repairs needed...this had to be overnight, due to the line being busy during daylight hours...

The next visit was again overnight, attending site to take measurements and templates of the damaged/missing spandrels for the patterns to be made in readiness for new castings to be made...

Following two previous renovations in 1943 and 1999, the cast iron girders, bridge deck, parapets and original iron railings were carefully removed for off site repair and renovation, encapsulated by a scaffolding structure and a tenting cover for protection...it was then fully shot blasted so as to identify any other repairs not already noted...



*Breathing new life into
damaged cast iron components*

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Work began in earnest with our team repairing all the identified cracks by way of cold stitching procedures, and also replacing spandrels as necessary. The repairs were then tested via MPI crack testing, to ensure sound repairs had been undertaken.

As additional repairs were identified, we returned to Yorkshire following the Christmas break to undertake the final cold stitching of cracks, and the cutting back of the end deck plates to prevent more crack propagation.

When reinstated, the historic bridge will be raised by 1.5m creating enough room for installation of overhead line equipment which will power electric trains through the area and beyond!

For any Architectural repairs please contact us for an initial survey/quotation.



- On Site Survey/Quotation
- Metal Stitching Repairs
- Recasting Service
- Full Shot Blasting
- Crack Testing
- Painting if Required
- 2 Year Guarantee **

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