



Part of the Hardy Services Group  
**Hardy**  
Access

## Case Study

### Company

Stone Edge Ltd

### Industry

Historic Restoration

### Website

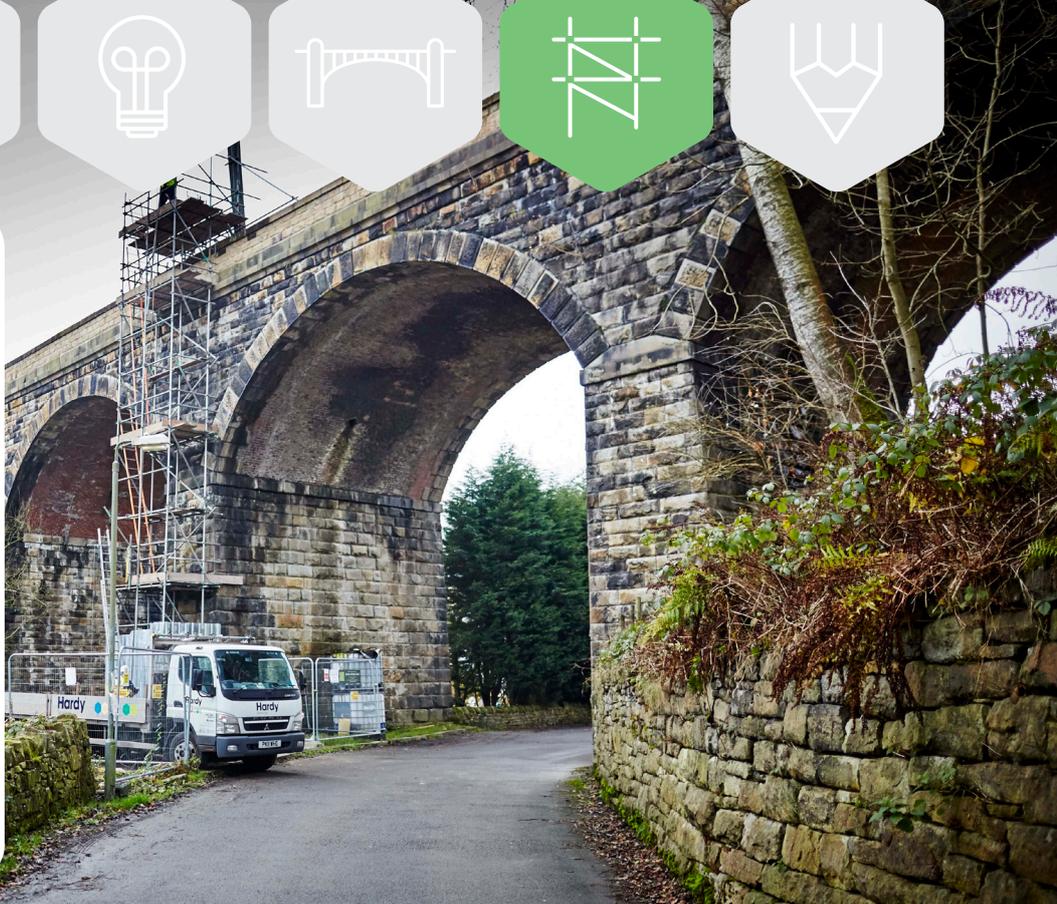
[www.stone-edge.co.uk](http://www.stone-edge.co.uk)

### Solution

Heavy duty support scaffold and hanging scaffold

### Profile

Stone Edge were commissioned to stabilise the upper spandrels, and re build the parapets back to their original details.



# Stone Edge Ltd

On 18th September 1848, the East Lancashire Railway opened a branch from its Manchester-Rawtenstall line at Stubbins Junction, just north of Ramsbottom, heading over the hills to Accrington. Only a single 146-yard tunnel was needed at Haslingden, but the route did demand a number of viaducts. One such viaduct was about a mile north of Stubbins, alongside the small community of Lumb.

It was engineered by J S Perring and Sturges Meek - the latter being a pupil of George Stephenson and comprised of nine segmental arches, each 40 feet in span and boasting red brick soffits. These enabled the railway to reach a height of 60 feet over the River Irwell which is crossed by the second span from the south. Contractors were commissioned to stabilise

the upper spandrels, and re build the parapets back to their original details which required a substantial and complex access scaffold. A security hoarded loading tower was erected from ground, to allow delivery to the workface of over 40 ton of scaffold materials. As no parapet was left standing, the first operation was to provide edge protection and a safe working area to the full length of the viaduct. Once this was complete, the main works could start.

These works involved the progressive erection, dismantle and transfer of two 20m long sections of support and hanging scaffolds, which would also incorporate a monorail lifting beam to aid delivery of the large parapet coping stones. Works were completed in the summer of 2015 within budget and programme.

## Challenge

To design and erect full access scaffold for the restoration team to repair and rebuild the upper spandrels & parapets on both sides of the Viaduct, the scaffold needed to be erect with a full over hang to the opposite side of the wall. The only vehicular access point, was a small layby at the base of the viaduct, from where all the materials were to be raised to the working level some 17m above.

## Solution

Hardy Access provided a full design and install package, which included erecting two 20m sections of scaffold and then dismantling each one and re-erecting it on the next section of parapet. This included a full hanging platform on the outside of the parapet, for the restoration company operatives to work from.

**“Hardy Access have provided access solutions for Stone Edge on numerous Heritage projects.”**



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STONE EDGE  
LIMITED  
*Historic Building Restoration*



CISRS  
CONSTRUCTION INDUSTRY  
SCAFFOLDING RECORD SCHEME



Lancashire  
County Council  
Safe Trader Scheme  
Participating with Lancashire County Council Trading Partner



**Works include:**

- Design and erect a free standing heavy duty support scaffold and hanging access scaffold
- Erect a progressive edge protection handrail, to both sides and full length of the viaduct.
- Delivery of over 30 ton of scaffold materials from ground level to the work face, 17m above.

**“On all occasions  
Hardys have serviced  
our requirements well.”**

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[info@hardyservices.co.uk](mailto:info@hardyservices.co.uk)

**“This project was particularly sensitive, logistically difficult and required courteous and conscientious scaffolding teams.”**

