



Bridges – Coalport Bridge



Project details:

Coalport bridge was constructed c. 1799-1800 and subsequently widened in 1818. Believed to be the oldest cast iron road bridge in the country still open to vehicular traffic, it is situated in the Ironbridge Gorge World Heritage Site and is itself a Scheduled Ancient Monument.

As part of the refurbishment and strengthening of the bridge over the River Severn on the Broseley to Coalport road, which is currently restricted to 2 tonnes, a replacement deck was required. This would increase the weight capacity to 3 tonnes and enable 2 way traffic to use the bridge.

By using both Lytag[®] 4/14mm lightweight aggregate and Lytag[®] 0/4mm lightweight aggregate, to reduce the dead load on the existing iron bridge structure, lightweight concrete was pumped into place to form the new deck.

In 2005 the success of the project was recognised when it was one of only two to receive full awards at the Historic Bridge & Infrastructure Awards from the ICE.

Project:

Coalport Bridge, Nr Telford

Date:

2005

Client:

Shropshire County Council
and the Borough of Telford
and Wrekin

Structural Engineer:

Gifford & Partners,
Southampton

Main Contractor:

Dew Pitchmastic

Concrete Supplier:

Lafarge readymix

