

Dismantling of Scott Street Bridge



Location:
Hull, East Riding of
Yorkshire



Client:
Hull City Council



Value:
£900,000



Civil Engineering

Structural
Engineering

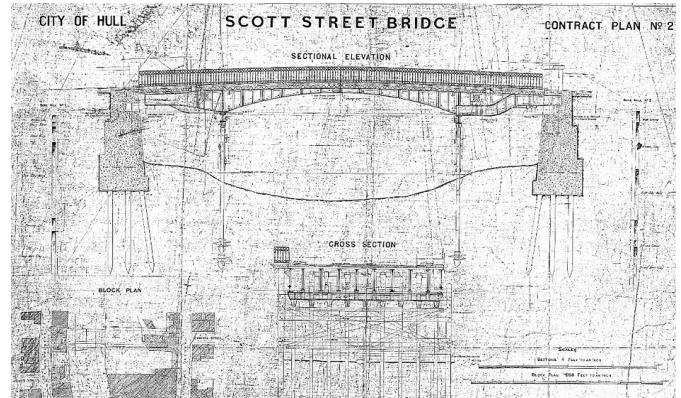
Building Consultancy

Geotechnical and
Geoenvironmental
Engineering

Project
Management

Specialist services

Scott Street Bridge is a Grade 2 listed structure in which the bridge leaf's and approach spans had deteriorated to an extent that they were structurally unsafe.



The methodology for the dismantling of the bridge leaf's had to therefore accommodate both the structural instability issues whilst addressing the historic conservation requirements (inclusive of removal and conservation of *Banksy* street art) and meeting the necessary environmental protection measures. The main steelwork to the bridge had deteriorated to such an extent that the bridge was unsafe and in danger of collapse from minimal external intervention. Historic England would not at first recognise this and initially objected to the works.

Engineering and Design Factors

Alan Wood & Partners provided engineering design, and project management services throughout the project inclusive of the applications for Planning Approval, Listed Building consent, Marine Licence and Environmental Permit. Following the successful conclusion of the consenting process, Alan Wood & Partners continued to develop the tender package, manage the tender process and successfully appoint and supervise a competent contractor to undertake the works under an NEC Option A contract. Alan Wood & Partners continue to support Hull City Council in acting as Project Manager & Site Supervisor throughout the works.

Description of the Works

Through detailed and prolonged education and discussion Alan Wood & Partners had the Historic England objection removed which allowed the project to proceed. The poor condition of the structure also greatly impacted the deconstruction methodology which Alan Wood & Partners developed. Further works comprised of; Removal of the Banksy artwork and mount of replica artwork for display purposes, controlled removal of the main structure whilst retaining cast items such as the shafts, saddles, hydraulic cylinders and repair of balustrades, gas lamps and posts. Street works comprising the reclamation of granite setts, removal of redundant street furniture and provision of temporary parapet rails.

Core services

Civil Engineering / Structural Engineering / Project Management / Conservation and Heritage

Sectors

Utilities and Infrastructure