



Project Title:	Grendon Underwood Bridge
Client:	Highways England
Date of Work:	March 2015

Project description

Extensive brickwork, re-pointing and coping repairs to a disused railway bridge, called Grendon Underwood Bridge.

A scaffold platform was erected to gain safe high level access to the entire structure.

A Public Right of Way passing over the bridge was temporarily closed and diverted for the duration of the works.

A propping system, utilising horizontal Mabey MK3 Soldiers, vertical Acrow push/pull Props with swivel heads, 4" x 2" Timber Lagging and bespoke base plates was to support the entire arch soffit.

The arch soffit was stitched and grouted,

The central 3-5 props were removed to provide unobstructed access to the transverse fracture in the soffit. The fracture was stitched and grouted.

Project Constraints

Pedestrian Management.

Work at high level.

Poor condition of structure.

Sourcing bricks of matching size/colour.

Public Interface.

3rd party negotiations (landowners).

Access constraints.

Expertise required for the installation of the proprietary propping system.

Expertise required to drill and grout the arch soffit.