

Case Study

Bridge Repairs- National Trust

Location: Calke Abbey Estate, Derbyshire

Project: Structural Repairs & Maintenance

Project Length: 6 weeks

Information:

Bridge Number 1 lies within the National Trust's Calke Abbey Estate, a typical working country estate. The bridge had deteriorated over time due to the increased loading of farm traffic since the bridge was initially constructed.

Environmental management was of great concern to both the National Trust and Building Projects (UK) Ltd during this project as it was important to maintain the aesthetic features of the bridge while protecting the local environment during the construction phase.

Working to very strict controls the project involved preparing the existing ground and bridge barrel arch to accept a new reinforced concrete slab that spans the width of the bridge to help spread the load when vehicles cross.

Once the concrete slab had sufficiently cured. A new tarmac finish was laid down and seamlessly worked into the existing road to a fine finish.

Sections of the wall were re-built and the whole bridge was re-pointed with lime mortar to ensure it would not deteriorate any further.

