

Address:

Town Mill

SN8 1NS

Project details:

The brickwork for the sluice gates at town mill are failing due to tree roots piercing through and causing damage.

Scope of works:

Proposed Methodology:

1. Preparation and Safety Measures

Prior to commencing any works, carry out a full site assessment and risk evaluation. Install appropriate signage and barriers to secure the work area and prevent unauthorised access. Ensure all operatives are equipped with the necessary PPE.

2. Propping the Bridge Structure

Install suitable temporary supports (props) beneath the bridge to safely bear the load during the works. All propping arrangements should be designed to ensure the structural stability of the bridge is maintained throughout.

3. Erection of Scaffolding

Erect safe and compliant scaffolding to provide access to the work area. The scaffolding shall be inspected and certified before use and shall include guardrails and toe boards. To mitigate any possible environmental issues the scaffold is to have a protective sheet membrane to prevent debris from falling into the river. Any loose debris shall be removed from the scaffold as it arises.

4. Careful Removal of Brickwork

Systematically remove the designated **nine courses of brickwork** in a controlled manner to avoid unnecessary disturbance to surrounding materials. Bricks should be removed using appropriate hand tools where possible to minimise damage.

5. Cutting Back Tree Roots

Expose and carefully cut back any intrusive tree roots affecting the structure. Root removal should be undertaken in a controlled way to prevent further structural movement or damage to adjacent areas.

6. Rebuilding Brickwork

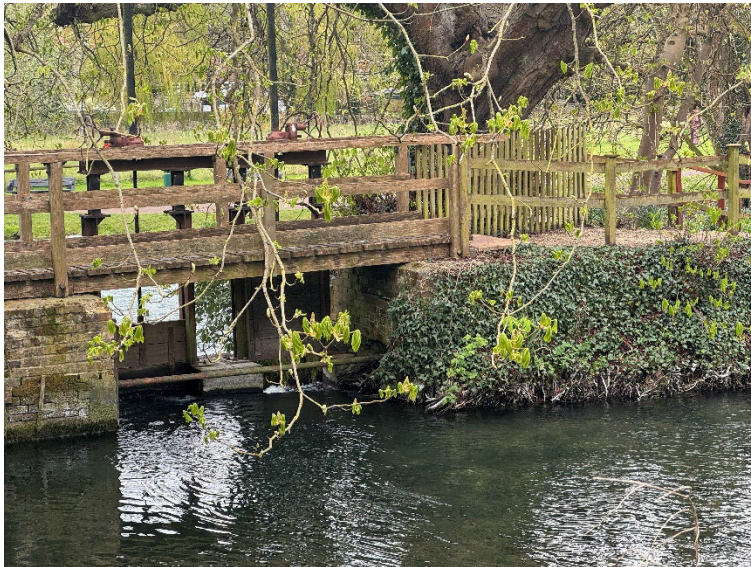
Reconstruct the removed section using suitable replacement bricks and mortar that match the existing structure in strength, appearance, and composition. Ensure all brickwork is properly aligned, bonded, and pointed to a high standard.

7. Removal of Temporary Works

Before removal of scaffold it should be hoovered to avoid any dust or debris falling into the river. Once scaffold is clear carefully dismantle in a controlled sequence.

8. Site Clearance and Final Inspection

Clear all debris and waste materials from the site, leaving the area clean and safe. Carry out a final inspection to ensure all works have been completed to specification and that the structure is stable and secure.



Time:

We would only carry out the works between June to September time of year. We estimate the works to take 3 weeks

Resources required:

Personnel	• Scaffolder • Bricklayer • Foreman
Supervision	Carty's would appoint a Foreman to oversee the works
Plant/ Equipment	• Scaffold • Hammer • Bolster • Trowel • Bucket
Materials	• Sharp sand • Blue Circle Mastercrete Grey Cement • Mortar Plasticiser • Matching bricks (If needed)