



PROJECT TITLE Five Arches Bridge, Kent

CLIENT London Borough of Bexley
Bexley Civic Offices
Broadway, Bexleyheath
Kent
DA6 7LB

TEL NO 020 8303 7777

CONTACT Mr Roy Billings

VALUE OF WORKS £173,000

DATE OF COMPLETION April 2002

DESCRIPTION OF WORKS



Works involved the strengthening of this **Grade II listed structure** after the collapse of the middle weir, which caused the bridge to crack along the centre line.

28No stainless steel stitching anchors were installed into holes cored horizontally through the arch barrels under the first phase of the strengthening.

The second phase entailed the removal of the remaining four arches and reinstatement with lightweight concrete. The facing brickwork to all the weirs and the partial reconstruction of the brick parapets was completed using original bricks and lime mortar, which was analysed and matched as closely as possible to the original mortar by a specialist historic building engineer.

Works also included the replacement and laying of limestone parapet coping stone, the installation of historic bollards, laying of anti-slip surfacing, the protection of river banks using gabions and the reinstatement of the meadow. The works were awarded a **Civic Trust Award in 2004**.