

## Gannochy Bridge, Angus



The masonry arch bridge spans a gorge on the River Esk in a picturesque part of Scotland

**18<sup>th</sup> century historic masonry bridge repaired and strengthened in four week contract period.**

Client	Angus Council
Principal Contractor	Balvac
Value	£82,000
Programme	4 Weeks
Completed	April 2000

The Gannochy Bridge, situated 1½ miles north of Edzell, near Brechin, is a Grade B listed sandstone arched structure with masonry elevations. The bridge was built in 1732

Balvac was appointed as principal contractor by the client, Angus Council, for a programme of bridge repair and strengthening. The project involved installation of new concrete beams inside both parapet walls. Tie bars were placed through the whole structure at various locations and heights in order to stabilise the masonry and provide structural integrity.

Re-pointing of the bridge had been carried out in a piece-meal fashion over the years with cementitious mortar and most of this inappropriate

mortar was removed to allow the lime mortar to breathe.

Replacement masonry was installed in areas of deteriorating stone including, spandrels, wingwalls and the arch barrel, using dowels and polymer-modified cementitious mortar.

A carefully planned traffic management regime involving traffic diversions and road closures was necessary to enable the project to be undertaken in a short contract period.

Great care was taken with this sensitive historic structure during the repair programme, and early planning and a dedicated team approach was crucial to achieving a successful project outcome.

## Balvac

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