

MILLFIELD BRIDGE

P A T E L E Y B R I D G E

Client: North Yorkshire County Council

Role: Principal Contractor

Contract Type: Design and Build

Structural Engineer: Stevenson Calam

Value: c £250,000

Duration: Four months

Complete: April 2006



This new footbridge across the River Nidd has provided a safer walk to school for children in Pateley Bridge and also completes a circular amenity walk along the banks of the river.

The design and build contract was won through competitive tender, with the criteria for an aesthetically pleasing design just as important as price.



The 34m long bridge is three metres wide and was designed with a cambered elevation to meet with Environment Agency standards.

The bridge construction comprises four steel I beams braced together in pairs with a timber deck with anti-slip inserts. The superstructure was manufactured off-site and assembled on the river banking ready to be lifted into position.

Continuous flight auger piles were inserted prior to construction of reinforced concrete abutments. These were faced with natural Yorkshire stone in keeping with local tradition.

Several hundred metres of footpath were upgraded to improve the bridge approach.



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