

Building Schools for the Future

Bristol, UK

Project Information

Client
Bristol City Council

Civil & Structural Engineering Designer
Skanska UK

Main Contractor
Skanska UK

Dates
2006 - 2009

Construction Value
£113m

Further information

Maple Cross House
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Hertfordshire
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Since Autumn 2005, Skanska has worked in partnership with Bristol City Council to replace four secondary schools in Bristol with new schools on the same sites, schools which are designed with 'transforming education' in mind.

The contract, formally awarded in July 2006, is the first of the Government's national Building Schools for the Future programme and will see Skanska involved in the modernisation of all Bristol's secondary school stock over the next ten years.

Skanska's design team, in association with Arup, is the civil and structural engineer, designing the foundations, superstructure, drainage and on-site roads and parking areas. It is also providing advice on mitigating noise and vibration impacts during construction, and is designing and gaining detailed planning approval for the public highway works associated with some of the schemes.

Aided by our past experience in PFI, schools and other sectors and our position within Skanska, our involvement has had benefits including:

- Identifying at bid stage the problems presented by an underground sewer under proposed buildings at Whitefield and developing cost-effective sewer strengthening solutions.
- Identifying and cost-effectively mitigating ground conditions risks by procuring local geotechnical expertise and collaborating to develop efficient piled foundation solutions for some sites.
- Minimising material taken off site by earthworks analysis, reducing cost and environmental impact.
- Minimising design-related delays to the tight design and construct programme by helping to facilitate effective co-ordination within the multidisciplinary design team and between design and construction. □