



Forth Replacement Crossing
Edinburgh, UK

Client: Transport Scotland

Designer: Arup

Forthspan JV: Morgan Sindall, BAM Nuttall, Balfour Beatty, MT Hojgaard

Forthspan Design Team: Halcrow, COWI, Jacobs, Knight Architects, Speirs & Major

Tender: 2009-2010 Completion Expected 2016

The Forth Replacement Crossing is a £760m (GBP) new highway project crossing the Forth Estuary to the north of Edinburgh and providing relief to the Forth Road Bridge. The centrepiece of the project is the 2600m long three tower cable-stayed bridge, providing two main spans of 650m.

Knight Architects' role in the second-placed Forthspan JV was to contribute aesthetic designs for key areas of the main crossing, including the shape of the

deck cross section, the deck edge parapet and wind shielding, integration of the architectural lighting and of signage and highway 'furniture'.

The architectural scope included the preparation of a comprehensive Aesthetics Basis document and presentation, as part of the fourteen month Competitive Dialogue process, explaining the visual attributes of the design in great detail and justifying departures from the reference scheme

for the main crossing and the multiple secondary structures, buildings and landscape elements.