

Dartford Crossing

Dartford, UK

Project Information

Client
Dartford River Crossing Ltd

Designers
Skanska UK / Dr Eng H
Homberg

Main Contractors
Skanska UK / Cleveland Bridge

Dates
1989 - to date

Construction Value
£112m

Further information

Maple Cross House
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The Queen Elizabeth II Bridge at Dartford was the UK's first major privatised infrastructure project. The Thames river crossing, a BOOT project, is 2.8km in length and carries four lanes of traffic southbound across the River Thames at a height of 60m, forming part of the M25 London Orbital Motorway network. Skanska's design team was the consultant for the original design of the bridge substructure, M&E Services and Traffic Management Systems and the viaduct deck was designed in association with Cleveland Bridge.

Originally, Skanska's surveying team made several visits to Rotterdam, Holland in order to carry out dimensional survey checks on the bridge masts. After construction, the team was tasked with carrying out periodical elevation checks on the bridge structures in order to monitor for possible settlement. The surveying team provided added value to this project by being able to provide innovative solutions to complicated surveying problems.

Skanska's design team has maintained an intimate involvement with the project since its inception and is currently responsible for the management of maintenance contracts for the highway communication system on behalf of Le Crossing, the operating company. It also carries out feasibility studies, and the design, management and implementation of upgrades. □