



## Bridges – Kingston Bridge, London



### Project details:

To widen and strengthen a historic multi-span masonry arch bridge across the River Thames. Pre-cast units were installed before the heavily reinforced saddle slab could be constructed. To reduce the weight on the pre-cast arches the saddle slabs and spandrel walls are cast with 40N lightweight concrete, using Lytag<sup>®</sup> lightweight aggregate, with a max oven dry density of 1800Kg/m<sup>3</sup> and max fresh wet density of 2000Kg/m<sup>3</sup>.

Further information on the history of the bridge and the strengthening project can be found on the London Bridges Engineering Group website <http://www.lobeg.com>

**Project:**  
Kingston Bridge – London

**Date:**  
October 1997

**Client:**  
Royal Borough of Kingston upon Thames

**Structural Engineer:**  
Symonds group Ltd

**Main Contractor:**  
M.J. Gleeson Group plc

