



Bridges – A2/M2 Motorway Widening



Project details:

The A2/M2 road widening scheme included major refurbishment and construction works to double the vehicle capacity of the Medway Bridge in Kent. Alongside a new structure, the existing A2/M2 bridge required major alterations, including refurbishment of the whole concrete bridge deck due to chloride attack, to accommodate the four Dover-bound lanes. To avoid expensive reinforcing works, the designer specified a lightweight concrete, containing 100% Lytag[®] lightweight aggregate, was developed..

The lightweight concrete used was a C40 using Lytag[®] 4-12 coarse and L2 fines. (Now 4/14 and 0/4). Further details of this project are given in a case study on the WRAP website.

http://www.aggregain.org.uk/case_studies/refurbishment_of.html

Project:

A2/M2 Motorway Widening,
Cobham to Jct 4 & Medway
crossing

Date:

2000 – 2003

Client:

Highways Agency

Architect:

Faber Maunsell

Structural Engineer:

W.S. Atkins

Main Contractor:

CSM Joint Venture, Costain,
Skanska, Mowlem

Readymix supplier:

Hanson Premix

