

Tensar case study Ref 082

Reinforced Soil Retaining Walls, Kingsway Canal Bridge - Rochdale, UK 2002



Canal Bridge Reconstruction – Reinforced Soil Approaches

BENEFITS TO CLIENT

Economic structural solution, which provides a pleasing finish and low maintenance costs.

THE PROBLEM

In order to avoid expensive and on going structural repair to the existing bridge structure, Rochdale MBC required a cost effective alternative which would give a long term solution to meet the heavy traffic intensities being experienced.

THE SOLUTION

Tensar Reinforced Soil Retaining walls were provided to create approach ramps to the new bridge span, which as a result reduced from 140m to just 50m.

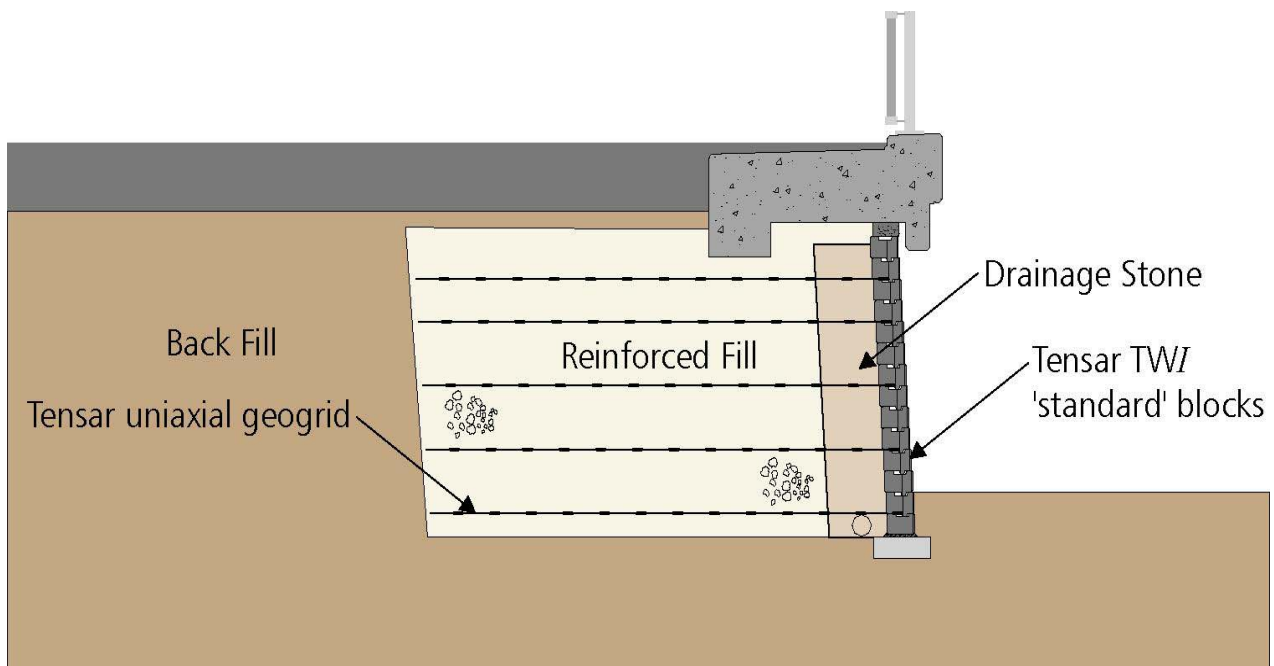
PROJECT DESCRIPTION

Tensor International provided professionally indemnified designs and construction drawings to the Contractor on site to allow quick and easy construction of the approach retaining walls.

A maximum retained height of just over 2m was achieved using the TWi Standard block to give a durable split faced finish.

The wall was designed to carry full highway loading and was designed in accordance with BS8006: Code of Practice for Strengthened/Reinforced soils and other fills as well as the Highways Agency implementation document BD70 for Retaining Walls and Bridge Abutments with a design life of 120 years.

The Tensor Wall System holds current British Board of Agrément certification.



Tensor Case Study

CONTRACT DETAILS

Contractor:

Galliford Northern

Specified by:

Rochdale MBC Technical Services.

Client:

Rochdale MBC



Marketing Department
Tensor International Limited
Cunningham Court
Shadsworth Business Park
Blackburn BB1 2QX
United Kingdom
Telephone: +44 (0) 1254 262431
Facsimile: +44 (0) 1254 266867
Email: info@tensor.co.uk
www.tensor-international.com

Tensor is a registered trade mark