

MARKET SECTOR:
Highways



LOCATION:
A13

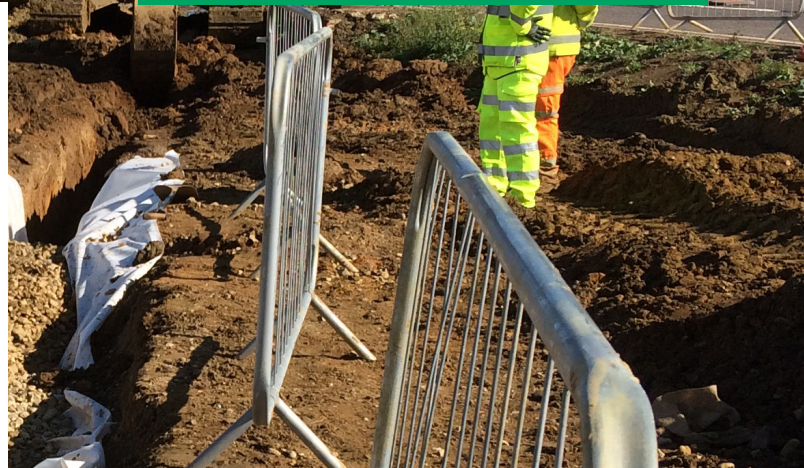
Case

STUDY

EKOTEX® 10

A13

Road Widening



The BACKGROUND

The A13 road corridor in Essex is a vital part of the transport network in South East England and is currently operating over capacity with approximately 77,000 vehicles using this section of road every single day.

In order to improve journey times and support economic growth in this area Thurrock Council therefore embarked on a project to widen the A13 between Orsett and Stanford-le-Hope by adding an additional lane in both directions, replacing four bridges and improving drainage.

This road improvement scheme costing £79 million is part of a £4 billion planned investment in jobs, homes and infrastructure in the Thurrock area.

Our Client's REQUIREMENTS

A sustainable solution for a road widening project.

The selected contractor for this project, who is a major UK construction and infrastructure services company employing over 20,000 staff, consequently had requirements for a geotextile to encapsulate roadside drainage ditches.

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Our Value Engineered **SOLUTION**

Soils in this area are typically loamy or clayey, with clay enriched subsoil.

A geotextile with high tensile strength properties compared to conventional separator fabrics, combined with high permeability and small pore size was therefore required.

Ekotex® 10 non-woven geotextile was selected as it satisfies these requirements by allowing roadside drainage to flow freely whilst also restricting the fine clay particles within surrounding soils from impeding water flow, and also complied with the stipulation for fabric weight to be minimum 140gm/m².

Ekotex® 10 non-woven geotextile is one of a wide range of geotextiles which are held in stock at Geosynthetics central warehouse located at Hinckley, Leicestershire, all of which are available for next day delivery.

