



# GW<sup>H</sup>

## Innovative Case Study

**PROJECT**

The Broadway, Sheerness

**CUSTOMER**

Kent County Council

**COMPLETION**

2014



## Issue

The Broadway Sheerness was a 1km stretch of concrete road with varying thickness of asphalt which had failed significantly. Following a ground radar survey, original plan for maintenance was to complete a full depth reconstruction (FDR) to a depth of 900mm. This would mean a costly and disruptive repair, likely to impact on existing SU apparatus. The Isle of Sheppey is renowned for poor ground conditions so an innovative solution was sought.

## Solution

Working in conjunction with KCC and Tensar we were able to offer a solution using the TriAx 160 stabilisation geogrid. This meant excavation was reduced to 420mm, rather than the original planned depth, resulting in minimal disruption to existing services, and a reduction in the disposal of waste and imported granular fill.



The project was fully managed and delivered by DJG Management Services and CW Surfacing working on behalf of the main contractor.

## Outcome

This innovative solution offered significant economic and environmental savings. The associated acceleration in site programme, reduced inconvenience to residents in terms of the duration of traffic management and road closures, along with the reduced site risks, noise, dust and visual impact provided a very positive outcome for our client. A customer satisfaction survey recorded 97.5% of responses as very satisfied with the result. Since this reconstruction we have continued to develop innovative solutions with KCC on their concrete road network.