

CASE STUDY

Type 4 Rural Road

‘Type 4 Rural Road within popular tourist location’

Scheme: Weston & Wick Road, Brean Somerset
Authority: Somerset County Council
Client: Skanska
Date: May 2016
Area: 3860 m²
In-Situ Process: 200mm HBM plus CG Reinforcement
Surface: 45mm Hot Rolled Asphalt
CO2 Saving over Traditional Recon: 50 tonnes



Weston and Wick Road are located in the heart of the beautiful Somerset countryside, yet only minutes from the glorious sandy beaches and the bustle of Brean and Burnham on Sea.

The carriageway prior to the works were typical of the area – layers of asphalt over an aggregate base; which, through increased traffic levels over the years, was showing signs of collapse and cracking with particular issues at edges where larger vehicles appeared to have regularly overrun the extent of the existing structure.

In advance of the structural recycling of the roadway, some sections of damaged kerbs were replaced and re-aligned. The levels of which were worked to when grading and re-shaping the mixed hydraulically bound recycled layer prior to re-surfacing.

Whilst this preparatory kerbing work was carried out, and making use of the associated Traffic Management, SPL initiated the Ground Penetrating Radar Survey. As an essential part of the In Situ Recycling process delivery, Sterling Utilities are our engaged specialists who carry out the survey and provide a comprehensive and accurate guide to the location of any utilities' cabling and apparatus within the road.

As a busy Tourist area the Recycling and Surfacing works were carried out prior to the bulk of the summer's local events to avoid unnecessary disruption. All year attractions however, benefited through the In Situ Recycling approach as low volumes of deliveries into the site and a "Zero Waste" out of the site as well as quicker build times than traditional reconstruction are all characteristic advantages of the process.

The SPL Crew gratefully received thanks from the owners of the Diamond Farm Caravan and Camping Park who were delighted with the outcome of the work and the minimal impact the construction had on their customers as well as their day to day work.