

HSL-Streetscape



A11 Ketteringham Bypass, Norfolk

Client	Highways Agency
Engineer	W S Atkins
Contractor	Lafarge Costain JV
Sub Contract	Ashmac Construction
Product	Scan Kerb types B1 & C

The Highways Agency brief was to introduce de-acceleration zones along a half mile stretch of the A11 by reducing carriageway widths with the introduction of new kerb runs.

W S Atkins designed the scheme specifying the use of the Scan Kerb stick down concrete kerb, to reduce the overall contract period and reduce the need for heavy plant. The use of Scan Kerb meant no excavation and the need for waste removal, the kerbs could be simply stuck to the existing concrete road surface.

The key factors effecting the choice of Scan Kerb on this project, was the short contract period, the use of Scan Kerb has major environmental and health & safety advantages, no excavation greatly reduced the need for site plant and removal of waste to land fill, the weight of the individual kerbs meant that they could be installed by hand.

Scan Kerb is a reinforced concrete stick down kerb which has highways agency approval under (section 1101 paragraph 2 of Highway works.) The standard B1 kerb (half batter profile) is delivered to site with the adhesive pre bonded to the underside of the kerb, the only preparation is to sweep the highway to remove dust and debris, prime the pre-marked kerb line with Scan coat, and bed the kerb in place, in cold weather it may be advisable to heat the road surface and underside of kerb to help speed up the adhesion process.



The quality of the existing concrete road surface was still good with little or no surface preparation required, initial trials were done to convince the contractor as to there suitability for the project, they were very sceptical about the kerbs ability to with stand the rolling of the asphalt pavement behind the kerb, but later admitted to being surprised by the kerbs performance.

In spite of some major delays in getting the project started, the use of Scan Kerbs helped to reduce the project time, and surprised the contractors as to the durability of the kerb. This is still one of the largest individual projects completed using Scan Kerb with approx. 1.2Km of type B1 and 270m of type C1 plus ancillary products. The project was completed on time and to the satisfaction of all parties.