

ECOCRIB CASE STUDY

BMJV, M62 J10-12 widening scheme



LOCATION: M62 J10-12, M6 – M60 Link

CLIENT: Highways England

MAIN CONTRACTOR: BMJV

ECOCRIB SYSTEM: Mass Gravity

MAX. RETAINED HEIGHT: 1.8m

FACE AREA: 2984 m²

PLASTIC WASTE DIVERTED FROM LANDFILL: 222 tonnes



PROJECT IN FULL

The Challenge

In 2018 a joint venture of Bam Nuttall and Morgan Sindall were awarded the £200 million smart motorway scheme by Highways England. These works were to improve the flow of traffic between the M6 and the M60. This involved improving the link road between these two busy Highways which is the M62 J10-12.

Many Embankments needed to be retained to fit the new ERAs and to allow room for many of the gantries that are needed on a smart motorway scheme.

One of the main challenges with all Highway Schemes is Co-ordinating works around your fellow contractors, this can be tough at times with works spread over such a small distance. With careful planning this was overcome and the works flowed continuously for the duration of our time on the scheme

A durable, long lasting and low maintenance wall solution with a Highway Authorities Product Approval Scheme and British Board of Agreement (BBA) certificate was required.

The Solution

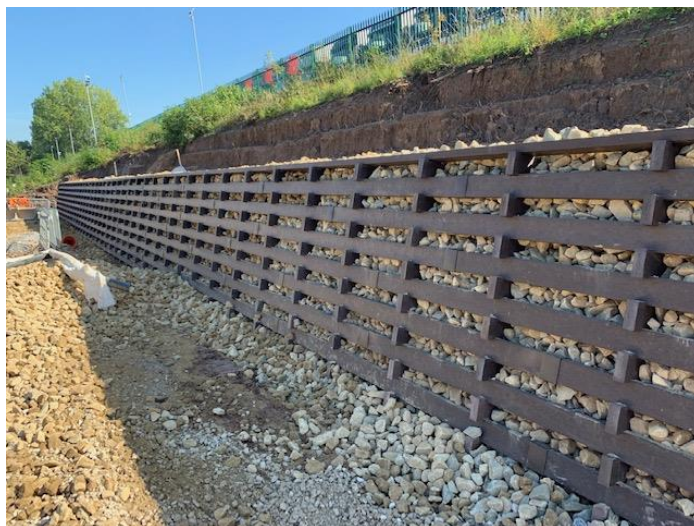
A sizeable number of mass gravity EcoCrib retaining walls are now built along the M62 J10-12. A total of 44 structures equating to 1546m of walling is now spread across the 3 junctions. With construction speeds exceeding 50m² a day and a design life in excess of 120 years, EcoCrib is durable, and the most highly sustainable retaining solution. Designed, supplied and installed by PC Construction, certified by the BBA and HAPAS in 2012.

EcoCrib profiles are manufactured entirely from recycled UK plastic (bottle tops, car bumpers etc) with any wastage or surplus material re-processed to form new EcoCrib profiles.

EcoCrib can be recycled when it reaches the end of its useful life.

When considering solutions on developments of all kinds, the lifetime cost means EcoCrib is the more efficient choice.

2984 SQM of EcoCrib was used on the scheme, equivalent to 222 tonnes of plastic waste diverted from landfill



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