

PROJECT	Bradford New Cross Street Bridge
CLIENT	Network Rail
PRODUCT	Trief GST2
SIZE	100 Units

A Bradford railway bridge near a junior school needed a proven solution from Brett Landscaping to keep road users and the young pedestrians safe as part of a renovation.

Designers HBPW Consulting and installers AMCO Giffen, working for Network Rail, sought advice from experts at Brett Landscaping to reduce the risks to the railway, pedestrians and to road-users at the New Cross Street Bridge.

The aim of the renovation project was to protect both the footpath and the parapet to each side of the railway bridge and to stop vehicles from deviating onto the pavement and, ultimately, accidental incursion onto the railway lines below.

Brett recommended Trief GST2 Kerbs for the scheme and provided detailed advice and CAD drawings for installation to the designers and the contractors before installation. The Brett team also attended the site to give support and detailed technical advice.

Around 100 Trief GST2 units were used.

Because a local junior school was at the far end of the bridge guard rails were installed to stop the risk of children walking on top of the kerb run. The guard rails were installed in the haunching to the rear of the kerbs rather than the top of the units. This is to stop both pedestrians from walking into the back of the kerbs and to reduce remedial works in the event of vehicular impact.

Through the engineering knowledge and advice offered, coupled with the unique characteristics of the GST2 units, a solution fully compliant with Volume 1 Specification for Highways Works Series 1100 Kerbs, Footways and Paved Areas was provided by Brett. This allowed all the engineering obstacles raised to be overcome, due to the reduced construction depth dictated by the deck of the bridge.



The Trief Containment Kerb system has been widely used to form traffic calming features, pedestrian refuges and to protect bridges and can also be used to enhance security features by reducing traffic speeds and as a visual and physical deterrent to deliberate incursion.

In addition the kerbs can be supplied with pre-drilled dowel holes for added integrity of the final installation.

Finally, the Trief GST2A Containment Kerb system has been independently tested by the Transport Research Laboratory (TRL) and is BS EN 1317 – 2 compliant providing a containment level of N1 and an impact severity level of 'A' rating (Report Number TRL068).

The Trief GST2 Kerbs offer safety solutions for bridges and roads and enhance vehicular and pedestrian safety for larger and smaller vehicles. The kerbs have a proven record for protecting structures, verges and pedestrians from traffic.

The minimal toe depth of the Trief GST2 Containment had been developed to allow for installation in areas where the depth of construction is compromised, such as bridge decks and underground car parks.

