

Data Sheet—Steel Beams & Parapet Bridge



Steel Beams & Parapet Bridges

Steel beam bridges are ideal for spans from 10m and are most economical for lengths up to around 18m but longer spans can be achieved.

Beams can be cambered or flat, painted or galvanised or fitted with a timber fascia.

Parapets can be bolted or welded to the structure and come in a variety of styles. Decorative motifs, sculptures or emblems can be added to the parapet of these bridges.

The deck surface on the steel beam bridges can be steel with a non-slip overlay or timber. The Hi-Grip Excel non-slip surface is generally used when a timber deck is specified.

The beam bridges can be delivered fully assembled or in kit form where access is restricted and for longer spans, the beams can be spliced together, thus making this form of construction one of the most versatile of the longer span bridges.

They are economical, practical and suitable for use as pedestrian footbridges, bridle bridges, cycle bridges and for vehicle access bridges.

All bridges are designed to BS 5400 and BS 5268 with a design live load of 5kN/m²

CTS provide a complete design, build and installation service for these bridges.

Photos from top left:

17.5m x 1.3m Steel bridge with steel beams, cambered & painted, steel parapet Type A (vertical infills) painted in two colours and steel non-slip deck over Dickens Heath Canal—Client Redrow Homes—Ref 1218

8.3m x 1.5m Steel beam bridge with steel beams, cambered & painted, steel parapet Type A modified and steel non-slip deck at Chantry Fields—Client North Dorset Council—Ref 1006.

30.5m x 2.0m steel bridge with steel spliced beams, cambered and painted, steel parapet with motif and steel non-slip surface on deck at Huddersfield University—Client Totty Construction—Ref 1820

12.9m x 1.2m steel bridge with Steel beams, galvanised, Steel Type A Parapet and steel deck with non-slip surface at Shirdley, St Neots—Client Atkins—Ref 3270

20m x 3.5m steel bridge with steel beams, painted, Steel Type D parapet with mesh infills and hardwood Hi-Grip Excel deck at Dartford—Client F M Conway—Ref 3358

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