

Steel Beams & Parapet Bridge Examples



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:

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

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

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

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

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

