



Design

CTS have four in-house Chartered Civil and Structural engineers who can provide design drawings, calculations, Design Check Certificates and prepare AIP's for technical approval. All drawings are prepared using the latest CAD technology and are available in a variety of formats to suit customer requirements.

CTS's extensive experience enables them to design structures using readily available material sizes thus avoiding costly wastage or 'over designed' components.

Because CTS design the bridges that they manufacture the cost for design is absorbed/incorporated in the final bridge cost.

Attention to detail ensures cost effectiveness and durability

Manufacture

Manufacture is completed on site. CTS have manufacturing facilities comprising a 4.5 acre site with factory occupying a 2335m² footprint. To enable construction we utilise 5 overhead cranes each of a ten tonne lift capacity.

Careful manufacture is undertaken by 25 experienced time-served joiners and fabricators, including coded welders to the highest standard, all tested to weld procedures to BS EN 10609 in accordance with BS EN 287.

Installation

CTS offer an installation service for all bridges and structures. The installations are planned by trained engineers. Site visits are undertaken to assess crane requirements. Risk assessments, method statements, Safe Systems of work are provided.

CTS's bridges and structures have been installed all over the UK and Ireland. Most local authorities have ordered and installed bridges from us. They have been installed over roads, rivers, railways, canals as well as in parks, housing developments, sea-front promenades, business parks and theme parks.

Our team incorporate fully qualified personnel to ensure safe erection. These include qualified slinger banksmen and "competent persons" as defined by BS7121; the Safe Use of Cranes

We use a local haulage company that specialises in heavy haulage. Their drivers are experienced in handling and off loading.

CTS have moved complete structures 35m long from the factory. Whether this is possible with a particular site depends on local access conditions. If access precludes this then the superstructure can be taken to site in sections, then welded to one length, ultrasonically tested, painted on the weld affected area prior to lifting into the final position



For further details please contact CTS Bridges

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