



Footbridge at Torquay

over Torbay Road (A379) for the County
Borough of Torbay

STRUCTURAL ENGINEERS
Butterley Engineering Co. Ltd
STEELWORK CONTRACTORS
Butterley Engineering Co. Ltd

Bridgework section

Judges' Comments

An attractive structure which is moulded and shaped to provide a pedestrian way across a main road and thence curve gently to the beach.

Simplicity in design and assembly has been achieved by the use of prefabricated units complete with handrailing and deck surfacing. The erection was completed in the remarkable time of six hours during one night-closure of the road.

The bridge is located at a position where a very high pedestrian flow conflicted with a considerable traffic flow. The specification called for a minimum number of supports and no interference with existing footpaths or access to the beach. This was achieved by providing a structure spanning from Shedden Hill to the beach where the columns support a stepped spiral ramp cantilever projecting over the sea wall. It was important that the construction time was minimized for which reason the units were delivered complete with handrailing and deck surfacing. Erection was completed in six hours during one night closure of the road.

Weight was kept down by the use of an all-welded steel structure the largest unit being the main span

which was only 17 tons. The ramp was divided into 90° segments to permit normal road transport.

The design was based on Butterleys standard footbridge which received the Council of Industrial Design Award in 1971.



