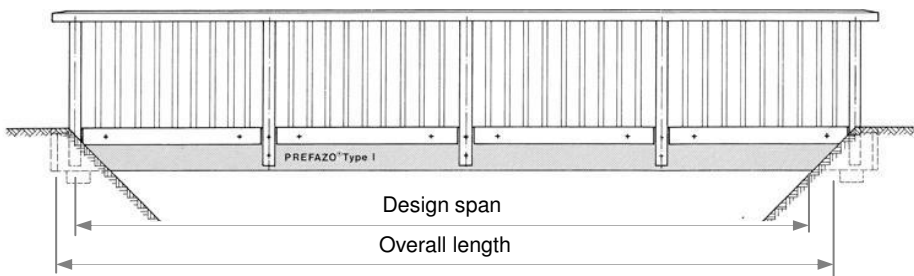




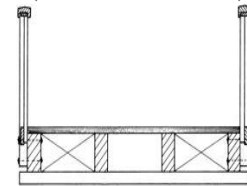
Type 1a Bridge with Type B Parapets

total
support
from
concept
to
construction

TYPE 1 – SINGLE SPAN BRIDGE



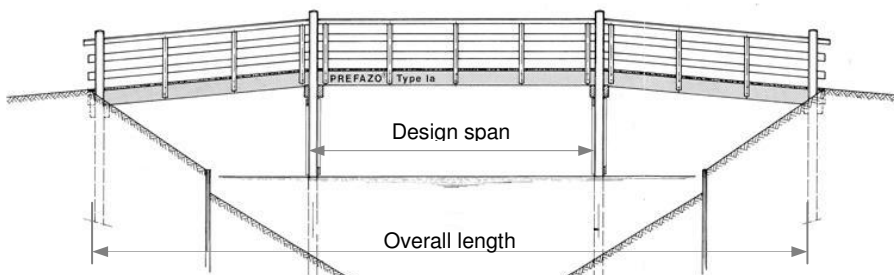
Width between handrails



Single span bridge

Design span up to 8.50m
Overall length up to 9.00m

TYPE 1a - MULTIPLE SPAN BRIDGE



Multi span bridge

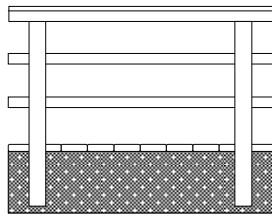
Design span up to 8.50m
Overall length is dependant on
number of spans

FEATURES

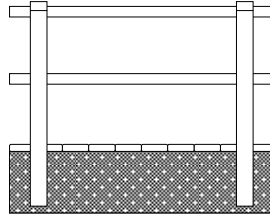
- ✓ Attractive and economical design for short single span or multiple span construction
- ✓ Design to accommodate pedestrian, equestrian and light vehicle loads
- ✓ Option of a small bow in main beam to give an arch effect
- ✓ Grooved slip resistant deck boards with optional anti-slip resin bonded aggregate inserts or surface coating
- ✓ Choice of parapet styles
 - Hardwood :
 - ✓ Requires minimal maintenance
 - ✓ Provides an extended life without the need for preservative treatment
 - ✓ Has excellent vandal and fire resistant characteristics

The parapet plays an important part in the aesthetic value of the bridge. Depending on the situation and purpose, a choice is made for either horizontal or vertical parapets. SHS offers a range of standard hardwood parapets and also welcomes the opportunity to quote for the design and supply of bespoke parapets in both hardwood and metal.

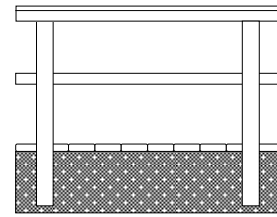
STANDARD HARDWOOD PARAPET OPTIONS



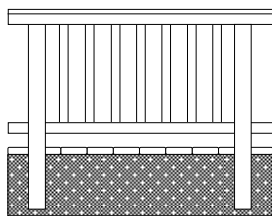
TYPE A PARAPET
Handrail + 2 intermediate rails



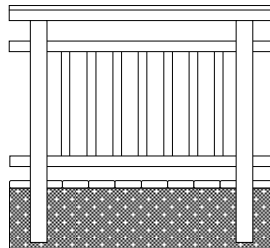
TYPE B PARAPET
2 x intermediate rails



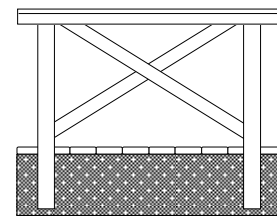
TYPE C PARAPET
Handrail + 1 intermediate rail



SHS TYPE E
Handrail + vertical infill rails



SHS TYPE EE
Elevated handrail + vertical infill rails



SHS TYPE G
Handrail + cross rails

STANDARD PARAPET INFORMATION

Typical timber section dimensions

■ Posts	95 x 95 mm
■ Hand rail	40 x 115 mm
■ intermediate rails	95 x 145 mm
■ Vertical infill rails	40 x 40 mm

Typical parapet heights

■ Pedestrian	1.15 m
■ Cycleway	1.40 m
■ Equestrian	1.80 m

DECK BOARD ANTI-SLIP OPTIONS



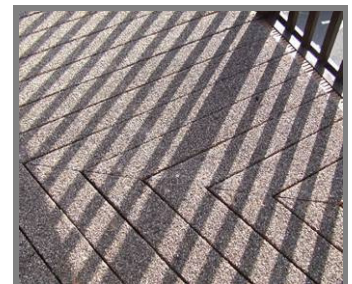
Walking surfaces are usually formed from timber deck boards, which have a grooved slip resistant finish. This resistance can be further enhanced by adding anti-slip inserts into the surface of the deck boards.

Anti-slip inserts are constructed from particles of aggregates, which are encapsulated within a resin bonded compound and injected into machined dovetail grooves. The resultant finish is an effective, hard wearing anti-slip surface that compliments the aesthetic appearance of the timber.

SHS also offers a factory applied anti-slip resin

bonded aggregate coating to cover selective or total deck board surfaces.

These options are suitable for use on bridges, jetties, boardwalks and walkways.



DECK BOARD FIXING OPTIONS

40 mm thick deck boards

- 6 mm Ø x 90 mm long screws
- 8 mm Ø x 90 mm long dowels

28 mm thick deck boards

- 5 mm Ø x 60 mm long screws