

**Series 2300: Bridge Expansion Joints and Sealing of Gaps**

**Bridge Deck Expansion Joints**

- Definition** 1 The term “bridge deck expansion joint” covers all types of permanent joint which allow expansion, contraction, shrinkage or angular rotation to take place in decks of structures.
- Units** 2 The unit of measurement shall be:  
(i) bridge deck expansion joints ..... number.
- Measurement** 3 The measurement of bridge deck expansion joints shall be the complete installation. The stated length shall be measured along the centre line of the joint.
- Itemisation** 4 Separate items shall be provided for bridge deck expansion joints in accordance with Chapter II paragraphs 3 and 4 and the following:

Group	Feature
I	1 Bridge deck expansion joints.
II	1 Different types or materials.
III	1 Different lengths.
IV	1 Different gap widths.

- Bridge Deck Expansion Joints** 5 The items for bridge deck expansion joints shall in accordance with the Preambles to Bill of Quantities General Directions include for:
- Item coverage**
- (a) design;
  - (b) certificates;
  - (c) provision of data and drawings;
  - (d) resubmissions and modifications;
  - (e) amendments to the Works;
  - (f) preparing and cleaning surfaces;
  - (g) installing or constructing the joint, sub-surface drainage, below joint drainage, in situ nosings, and waterproofing complete with fittings at kerbs, footways, service ducts and the like including the use of templates, guides and the like to retain the joint system in position;
  - (h) setting the joint having regard to temperature and other constraints;
  - (i) priming surfaces to be sealed, joint filler material, sealing strips, inserting, protecting and sealing;
  - (j) adhesives and the like;
  - (k) forming, cutting and sealing grooves and edges in surfacings and bridge deck waterproofing;
  - (l) protective system (as Series 1900 paragraph 4);
  - (m) greasing;



**Water Bars or Water Stops**

**11** The items for water bars or water stops shall in accordance with the Preambles to Bill of Quantities General Directions include for:

Item coverage

- (a) cutting, notching, welding, fittings and jointing;
- (b) cutting joint filler up to water bar or water stop;
- (c) casting in.