Distance sufficient to enable dowel holes to be drilled

75mm deep saw cut

Fabric removed

Concrete removed

75mm deep saw cut

Position of crack

Hole drilled into existing slab to receive dowel bars

0.125mm polythene sheeting

Dowel bar fixed into holes using epoxy resin at mid-depth and at 300 centres, bar dia. and length to exit slab thickness as note 8

See note 3

L/2 L/2

L/2 L/2

Polythene sheeting replaced

Fabric reinforcement main steel shall be positioned parallel to the longest dimension of the repairing area (See note 6)

Standard brush texture to surface

Road slab concrete

Cover 60x10

Joint groove (See detail B on Drg. No. H1109 and note 9)

STAGE 1

STAGE 2

STAGE 3

Notes:
1. All dimensions are in millimetres.
2. Tie bars from adjacent slabs are to be removed by cutting.
3. 75mm tight fitting PVC anti-corrosive sleeve shall be used on dowel.
4. Dowels shall be parallel.
5. Dowel bars to be saw cut at both ends.
6. Fabric reinforcement shall be C503 long mesh or of the existing type whichever is heavier.
7. For unreinforced slabs the whole slab shall be replaced.
8. 25mm diameter dowel bar of 650mm long (L) shall be used for all slab thickness.
9. Depth of groove shall be 40mm instead of 1/4 - 1/3 depth of slab as specified in Drg. No. H1109.

C Descriptions revised and notes added Nov 12
B Joint groove details revised Nov 96
A Drg. No. about contraction
Joint revised Sept 96
Former Drg. No. H1008/1 with general revision June 94

REF.

REVISION

SIGNATURE

DATE

HIGHWAYS DEPARTMENT

REPAIR OF FULL WIDTH/FULL
DEPTH TRANSVERSE
CRACK (>1.5mm)

REFERENCE

DRAWING No.

CAD

SCALE

Diagrammatic

H 1122C