Holes drilled in the filler to give a dowel bar sleeve a "push fit"

Sealing groove and approved joint sealant (see detail C in Drg No. H1109)

Reinforcement (where specified)

Mild steel dowel bars saw cut at both ends, at mid-depth and at 300mm centres

Wire ties

Cradle bent 6mm dia. at 300mm centres

6mm Dia. tie bars

Mortar bed (1 part cement to 3 parts sand) over full width

Compressible joint filler (20mm Thick)

Compressible filler

Preformed PVC light fitting dowel sleeve

0.125mm polythene sheeting

Dimensions of Mild Steel Dowel Bars

<table>
<thead>
<tr>
<th>Slab thickness (mm)</th>
<th>Dowel bars Dia.(mm)</th>
<th>Length(mm)</th>
<th>Sleeve Length(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 and over</td>
<td>25</td>
<td>650</td>
<td>400</td>
</tr>
</tbody>
</table>

*Dowel bars are not recommended for slabs thinner than 150mm

**Details of Expansion Joint in Concrete Carriageway**

Former Drg. No. H1003/3 with general revision June 94

<table>
<thead>
<tr>
<th>REF.</th>
<th>REVISION</th>
<th>SIGNATURE</th>
<th>DATE</th>
</tr>
</thead>
</table>

Highways Department

REFERENCE DRAWING No. H 1105

SCALE Diagrammatic

CAD