

The diagram illustrates a cross-section of a road with a total width of 12m. The road surface is divided into four equal sections, each with a width of 3m, sloping at 1.60% towards the center. The sections are separated by longitudinal joints. A tie bar is shown at the bottom of the road, connecting the sections. The road is bordered by a 1.2m wide shoulder on the right, which has a 2% crown slope. The top of the shoulder is labeled 'Crown'. The bottom of the road is labeled 'Back to back of curbs'. The diagram also shows the 'Tied' condition of the road surface.

The diagram illustrates a cross-section of a road with a total width of 12m. The road surface has a central slope of 1.60% and shoulder slopes of 4.20% on both sides. Three longitudinal joints are indicated, with tie bars shown at the bottom. A dimension line at the top indicates a total width of 12m.

32 mm Ø x 450 mm Smooth Dowel bars @ 300 mm ctrs. thru contraction joint.

32 mm Ø x 450 mm Smooth Dowel bars @ 300 mm ctrs. thru contraction joint

1-1

Deformed tie bars extending thru longitudinal joints.

Contraction joints spaced 5 m ctrs.

The diagram illustrates a cross-section of a reinforced concrete slab with two horizontal reinforcement layers. The top layer consists of three bars, and the bottom layer consists of four bars. Vertical stirrups are shown in the middle of the slab. A horizontal line represents a longitudinal joint. Above the joint, the text "Deformed tie bars extending thru longitudinal joints." is written. Below the joint, an arrow points to the joint line with the label "Longitudinal joint". The diagram shows that the deformed tie bars from the top layer extend across the longitudinal joint.

6

$D/3$

Deformed Tie Bars
#16 x 600 mm on
600 mm ctrs.

6

10 mm Min.

Deformed Tie Bars
#16 x 600 mm on
600 mm ctrs.

$D/2$

$D/2$

D

Technical drawing of a pile cap cross-section showing reinforcement details. The drawing includes a central pile with a diameter of 44 mm and a 10 mm gap. The pile cap has a total width of 300 mm and a height of D . Reinforcement includes 4 bars ($D_4 + 6$) and 4 bars ($D_4 + 6$) at the top, and 4 bars ($D_4 + 6$) at the bottom. The pile cap is labeled "Dowels, epoxy coated" and " $\phi \times 450$ mm on 300 mm ctrs."

Technical drawing of a 13 mm Backer Rod/Bond Breaker. The drawing shows a cross-section of the rod with various dimensions. The total length is labeled as $D/4 + 6$. The diameter of the rod is 10. The length of the rod is 3-6 mm. The length of the bond breaker is 6 mm. The length of the backer rod is 44 mm. The length of the bond breaker is 13 mm. The drawing is labeled "13 mm Backer Rod/Bond Breaker".

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