

This technical drawing illustrates the cross-section of a bridge deck, detailing its reinforcement structure. The deck is supported by three large, trapezoidal concrete piers. Key components and labels include:

- BANCHINA**: Side curb or parapet.
- CORSIA DI MARCIA**: Traffic lane, indicated by yellow arrows pointing towards the centerline.
- SICURVIA H4 BORDO PONTE CON LIVELLO DI CONTENIMENTO LC = 724.6 KJ**: Safety railing at the bridge edge with a containment level of LC = 724.6 KJ.
- VELETTA PREFABBRICATA IN CLS**: Prefabricated concrete slabs at the ends of the bridge.
- BENDER**: Reinforcement bars bent upwards at the supports.
- TAPPETINO DI USURA SP. 4 CM**: 4 cm thick wear course layer.
- PREDALLES SP. 5 CM**: 5 cm thick precast concrete slabs.
- SOLETTA IN C.A. SP. 25 CM**: 25 cm thick reinforced concrete slab.
- RETE ANTIPROIEZIONE**: Anti-projection mesh at the edges.
- p = -2.50 ‰**: Road gradient percentage.
- SCALE**: Vertical dimensions on the left indicate heights of 185, 100, 90, 31, and 17 cm. Horizontal dimensions at the bottom show widths of 125, 250, and 125 cm between various reinforcement points.

The drawing is titled "DISTINTA ARMATURA SOLETTA" and "SCALA 1:20". It includes a small inset diagram showing the overall bridge layout with two spans.

Technical drawing of a road cross-section. The drawing shows a road with a width of 10m, a curb height of 150mm, and a shoulder width of 100mm. The road surface has a cross-slope of 4%. The drawing includes dimensions for the road width, curb height, and shoulder width, as well as a scale bar.

Technical drawing of a V-shaped part. The drawing shows a cross-section of the part with the following dimensions:

- Top width: 260
- Top left horizontal segment: 55
- Top middle horizontal segment: 142
- Top right horizontal segment: 55
- Left vertical height: 168
- Left vertical segment (from top): 10
- Left vertical segment (from 10 to 168): 158
- Right vertical height: 168
- Right vertical segment (from top): 10
- Right vertical segment (from 10 to 168): 158
- Bottom width: 160
- Bottom vertical height: 82
- Bottom left angle: 30°
- Bottom right angle: 30°
- Bottom left horizontal segment: 17
- Bottom middle horizontal segment: 49
- Bottom right horizontal segment: 17
- Bottom left vertical segment: 15
- Bottom middle vertical segment: 30
- Bottom right vertical segment: 15
- Bottom left horizontal segment: 80
- Bottom middle horizontal segment: 90
- Bottom right horizontal segment: 90
- Bottom left vertical segment: 11
- Bottom middle vertical segment: 50
- Bottom right vertical segment: 11

Calcestruzzo soletta-sottostruttura C35/45
<ul style="list-style-type: none"> • Classe di Esposizione XC2/S4 (UNI 11104:2004) • Diametro massimo dell'aggregato ($D_{max} = 25 \text{ mm}$) (UNI 933 - 11:2009) • Rapporto Acqua/Cemento massimo 0.6 • Copriferro minimo 25 mm • Tensione massima di compressione $R_c = 45$
Calcestruzzo Travi da ponte C45/55
<ul style="list-style-type: none"> • Classe di Esposizione XC2/S4 (UNI 11104:2004) • Diametro massimo dell'aggregato ($D_{max} = 25 \text{ mm}$) (UNI 933 - 11:2009) • Rapporto Acqua/Cemento massimo 0.6 • Copriferro minimo 35 mm • Tensione massima di compressione $R_{ck} = 55$
ARMATURA ORDINARIA B450C
<ul style="list-style-type: none"> • (UNI EN ISO 15630 - 2: 2010) • Barre ad Aderenza Migliorata ($8 \text{ mm} < \varnothing < 20 \text{ mm}$) • Tensione caratteristica di snervamento $f_{yk} = 450 \text{ MPa}$ • Staffe $\varnothing 8$
ARMATURA DA PRECOMPRESSIONE
<ul style="list-style-type: none"> • Trefolo a sette fili (Classe 2) • Tensione caratteristica ultima $f_{pk} = 1860 \text{ MPa}$
NOTE

Corso di Laurea Magistrale in
Ingegneria delle Costruzioni Civili

Progetto di un Ponte Stradale a Cassoncini prefabbricati in c.a.p

Studenti: Domenico Gaudio
Mohamed Daba

5

- Sezione impalacto ponte - Scala 1:20;
- Sezione longitudinale - Scala 1:50;
- Pianta impalcato - Scala 1:50;
- Sezione trave - Scala 1:20;
- Sezione trave prossima all'appoggio - Scala 1:20;

Quote in centimetri