

Figure 1 is a cross-section diagram of a road with a 12% transverse slope. The diagram shows a road cross-section with a central gutter and side slopes. Key dimensions include a total width of 129.61 m at the top, a central gutter width of 129.62 m, and a side slope width of 129.73 m. The vertical dimensions include a total depth of 121.00 m, a gutter depth of 128.63 m, and a side slope depth of 129.61 m. A legend box on the right lists various dimensions and their values.

Symbol	Value
V	2.13 m <sup>3</sup>
S <sub>g</sub>	4.01 m
S <sub>sk</sub>	4.46 m
O	14.49 m
Z <sub>sk</sub>	4.46 m
Z <sub>sk</sub>	9.59 m
U <sub>sk</sub>	10.50 m
Q <sub>sk</sub>	4.46 m
Q <sub>sk</sub>	0.50 m

Technical drawing of a bridge cross-section. The drawing shows a trapezoidal profile with a red dashed line indicating a specific design or construction detail. The drawing includes a horizontal axis with elevation markers and a vertical axis with horizontal distance markers. A legend box on the right lists various parameters and their values.

Legend:

- V ..... 2,05 m<sup>3</sup>
- S<sub>g</sub> ..... 4,00 m
- S<sub>u</sub> ..... 4,46 m
- O ..... 14,49 m
- Z<sub>1</sub> ..... 4,46 m
- Z<sub>2</sub> ..... 9,59 m
- U<sub>1</sub> ..... 10,50 m
- Q<sub>1</sub> ..... 4,46 m
- Q<sub>2</sub> ..... 6,50 m

[illegible]

The diagram shows a cross-section of a bridge deck. The horizontal axis is marked with vertical dimensions: 121.00, 130.03, 129.79, 129.71, 128.74, 129.72, and 15.00. The vertical axis is marked with horizontal dimensions: 4.63, 3.53, 2.30, 0.0, 12.19, and 15.00. A red trapezoidal shape is shown, representing the bridge deck. The top width is 12.19 m, the bottom width is 4.63 m, and the height is 12.19 m. The central dip is 0.0 m deep. The total width of the bridge deck is 15.00 m. The total height of the bridge deck is 15.00 m. The legend box contains the following information:

- V ..... 2.05 m<sup>3</sup>
- S<sub>av</sub> ..... 4.00 m
- S<sub>av</sub> ..... 4.46 m
- O ..... 14.49 m
- Z<sub>1</sub> ..... 4.46 m
- Z<sub>2</sub> ..... 9.59 m
- U<sub>1</sub> ..... 10.50 m
- Q<sub>1</sub> ..... 4.46 m
- Q<sub>2</sub> ..... 6.50 m

Figure 1: A cross-section diagram of a bridge deck. The diagram shows a central span with a depth of 128.74 units. The deck is supported by two main piers, with a central pier at 0.0 and side piers at -4.50 and 4.50. The deck width at the piers is 121.00 units. A table on the right lists various dimensions:

V	2.57 m
$S_d$	4.51 m
$S_a$	4.97 m
O	14.95 m
$Z_a$	4.97 m
$Z_s$	9.56 m
$U_s$	10.50 m
$Q_s$	4.97 m
$Q_a$	0.50 m

[illegible][illegible][illegible]

Diagram illustrating the cross-section of a bridge deck. The diagram shows a central span with a width of 129.96 m, flanked by side spans of 129.99 m and 129.76 m. The total width is 30.25 m. The deck is supported by a central pier and two side piers. The height of the deck is 121.00 m. The diagram also shows the dimensions of the deck's components:  $V = 2.07 \text{ m}^2$ ,  $S_d = 3.93 \text{ m}$ ,  $S_d = 4.38 \text{ m}$ ,  $O = 14.41 \text{ m}$ ,  $Z_e = 4.38 \text{ m}$ ,  $Z_e = 8.61 \text{ m}$ ,  $\dot{U}_e = 10.50 \text{ m}$ ,  $O_e = 4.38 \text{ m}$ , and  $O_e = 0.50 \text{ m}$ .

The diagram illustrates the cross-section of a bridge deck with various geometric parameters labeled:

- $V$ : Total volume or area, indicated as  $2.07 \text{ m}^2$ .
- $S_d$ : Distance from the top edge to the centerline, indicated as  $3.93 \text{ m}$ .
- $S_a$ : Distance from the top edge to the bottom edge, indicated as  $4.38 \text{ m}$ .
- $O$ : Overall width or distance, indicated as  $14.41 \text{ m}$ .
- $Z_c$ : Distance from the top edge to the centroid, indicated as  $4.38 \text{ m}$ .
- $Z_u$ : Distance from the top edge to the neutral axis, indicated as  $9.61 \text{ m}$ .
- $\bar{U}_v$ : Centroidal moment of inertia, indicated as  $10.50 \text{ m}^4$ .
- $Q_v$ : First moment of area, indicated as  $4.38 \text{ m}^3$ .
- $Q_u$ : Second moment of area, indicated as  $0.50 \text{ m}^4$ .

Additional labels include "128.98" at the top center and "121.00" near the bottom left corner.