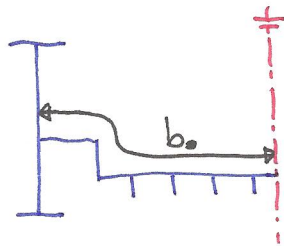


DOLNÍ MOSTOVKA - SMYKOVÉ OCHABNUTÍ

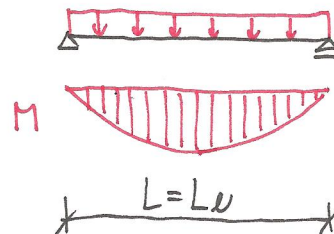
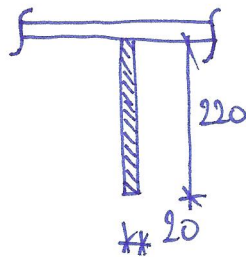


rozvinutá šířka $b_0 = 3530 \text{ mm}$

tloušťka mostovky $t = 16 \text{ mm}$

rozpětí mostu $L = 22 \text{ m}$

početná výztuha



plocha všech podélných výztuh v šíři b_0

$$A_{sl} = 4 \times 20 \times 220 = 17,6 \cdot 10^3 \text{ mm}^2$$

$$\alpha_o = \sqrt{1 + \frac{A_{sl}}{b_0 \cdot t}} = \sqrt{1 + \frac{17600}{3530 \cdot 16}} = 1,145$$

$$\chi = \frac{\alpha_o \cdot b_0}{L_v} = \frac{1,145 \cdot 3530}{22000} = 0,183$$

$$\beta = \frac{1}{1 + 6,4 \cdot \chi^2} = \frac{1}{1 + 6,4 \cdot 0,183^2} = 0,822$$

$$b_{eff} = \beta \cdot b_0 = 0,822 \cdot 3530 = 2902 \text{ mm}$$

