

BRIDGE TOWERS

- Pylon foundation: 10 x 12(15) m basal area, height 6 m
- Wall thickness of tower columns: 600 mm, at cross beams up to 800 mm
- Pylon columns: 8.6 x 7.0 m at base, 4.5 x 4.5 m at top
- Foundations: 4 foundations, 3,600 m³ concrete, B 35 low heat concrete, 330 tonnes reinforcement
- 2 Pylons including cross beams and saddle housing: 10,400 m³ concrete, B45 SV-40, reinforcement 2,150 tonnes
- 4 Concrete foundations for saddles: 112 m³ concrete B55 SV-40

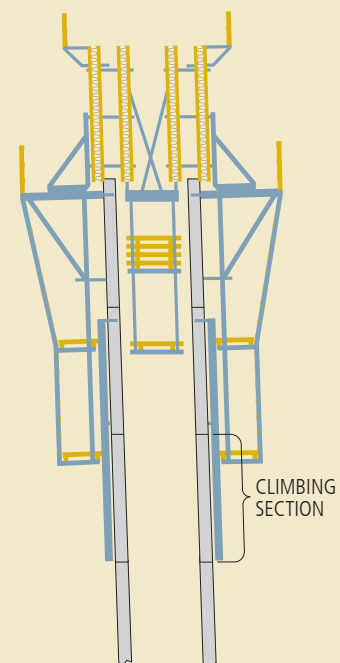
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PYLON

The bridge pylon consists of two concrete columns joined by three cross beams. Each pylon is supported by two concrete foundations. The pylon columns are rectangular. All outside corners are rounded. The pylon columns are constructed in 4-metre climbing sections, 44 sections in each column. The pylons are constructed by using climbing formwork.

On top of the tower columns the suspension cables are supported by saddles. They are surrounded by a concrete housing that is designed to protect the cables and saddles.

Inside one of the pylon columns there is a lift, inside the other there are stairs.



SCHEMATIC DRAWING OF PYLON CONSTRUCTION