

maeg

SILOGNO BRIDGE

BRIDGES AND VIADUCTS

- **TRESTLE BRIDGE**

SILOGNO BRIDGE

Location

Baceno, Italy

Client

Anas S.p.A.

Contractor

Grandi Opere Italiane Srl

Scope of work

Design, fabrication and installation of steel structures

Period of execution

2011

Weight

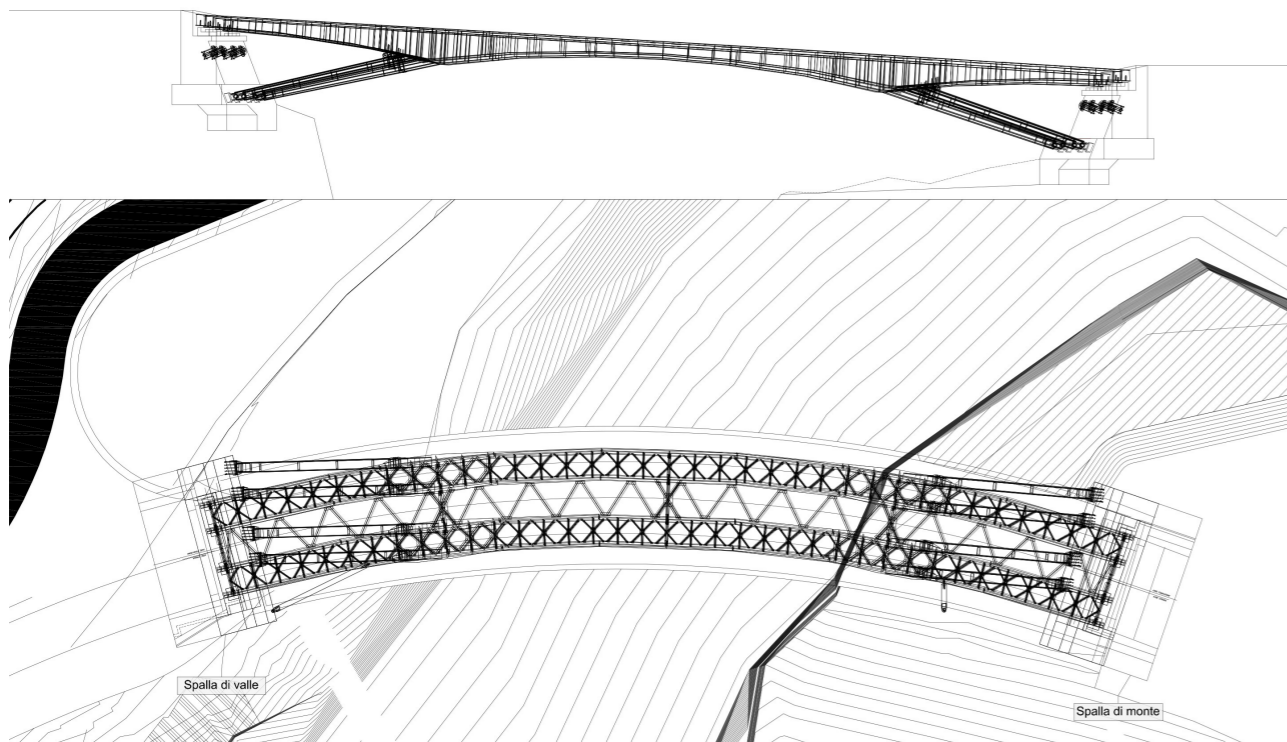
800 tons

Length

90 meters (23+40+23)

The Silogno Bridge is a trestle bridge part of the alternative route to the State Road n° 659, aimed to eliminate a particularly dangerous point over the river Devero, at a height of 46 meters.

The trestle typology has two oblique "legs", 16 meters long, supporting a 90 meters long deck having a radius of curvature equal to 150 meters. The deck is composed of three spans of 23, 40 and 23 meters made of four main beams made of welded metal sheets with plate girders. The bridge has a slope of 9 percent and a weight of about 800 tons. The material used is Corten steel, which has the peculiarity of forming a superficial patina that makes it able to protect itself from corrosion.









Ideas
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