

maeg

ACILIU VIADUCT

BRIDGES AND VIADUCTS

- VIADUCTS

ACILIU VIADUCT

Location

Sibiu, Romania

Client

Romanian National Company of Motorway and National Roads

Contractor

Collini Lavori Spa Trento - Sucursala Bucuresti

Scope of work

Design, fabrication and installation of steel structures

Period of execution

2013-2014

Weight

8.100 tons

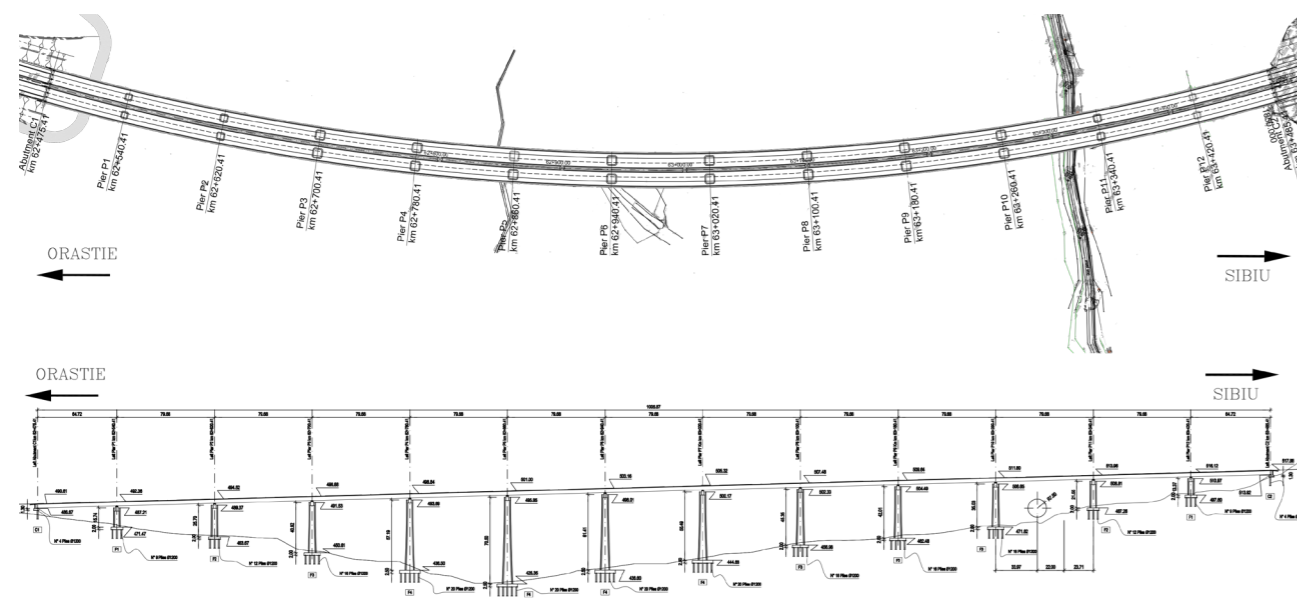
Length

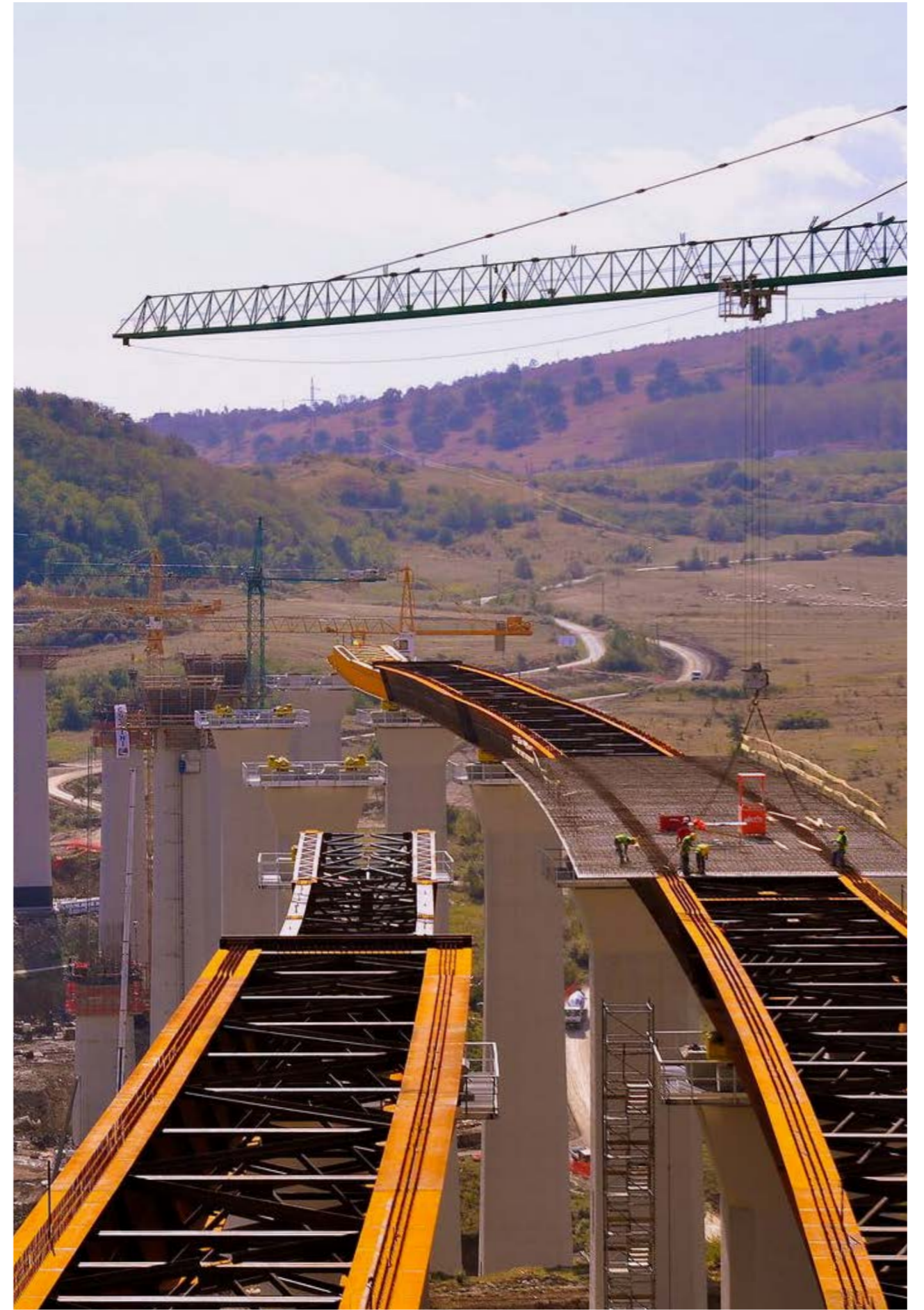
1.100 meters (14*78)

Built along the 82 km long motorway A1 between Orastie and Sibiu, in Romania, the Aciliu Viaduct is one of the several infrastructures planned to upgrade the IV Pan-European corridor running through Eastern Europe. It is also known as the longest and the highest viaduct in Romania, with a height of 80 meters and a length of 1.100 meters.

The Aciliu viaduct is made with inclined double-T beams in Corten steel, with welded longitudinal and transversal joints and bolted reticular internal bracings. The viaduct has a length of 1.100 meters, divided in fourteen spans 78 meters long, with a width of the deck of 24 meters. The structure dominates the Aciliu valley at a height of 80 meters from the ground and rests on concrete piles planted at a depth of 40 meters

into the ground to offset the instability of the sandy soil of the valley. The viaduct was assembled in macro-segments in the assembly field on the ground with 80 tons gantry cranes and then incremental launched with the aid of a launching nose, proceeding simultaneously on each direction.









Ideas
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