PROJECT PDF

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Restoration of the Pede railway viaduct: superstructure - Dilbeek

Project Details

Activities
Civil Engineering
Bridges
Railway infrastructure & stations

Contractors
Willemen Construct

location
Rollestraat
1700 Dilbeek Belgium
Vlaams Brabant BE

Client
Infrabel

Engineering Office
TUC Rail

Construction period
2 years 8 months

Start work
03-2009

End of work
11-2011

Restoration and doubling of Pede viaduct in Dilbeek.

In the context of construction of the 3rd and 4th tracks between Brussels-South and Sint-Katarina-Lombeek, the railway line was doubled. The viaduct construction is subject to the regulations governing historic buildings and sites The surroundings are classified as biologically valuable.

The project comprised :

- the expansion as cantilever structure of the existing viaduct, with a track on each side;
- the superstructure, composed of slender reinforced concrete spans, rests on steel cantilever ‘struts’ that are supported by the original pillars of the monumental viaduct
- the bridge decks are arched to better accentuate the arched structure. The new structures in steel make it easy to see the difference between the existing structure and the new expansion. The renovation of the existing viaduct: repairs to the arches in historic masonry and to the concrete
- the required modifications to the overhead lines.

Willemen Construct

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Willemen Construct came into being on 1 July 2018 as a result of the merger between Willemen General Contractor and the construction department of Kumpen.