

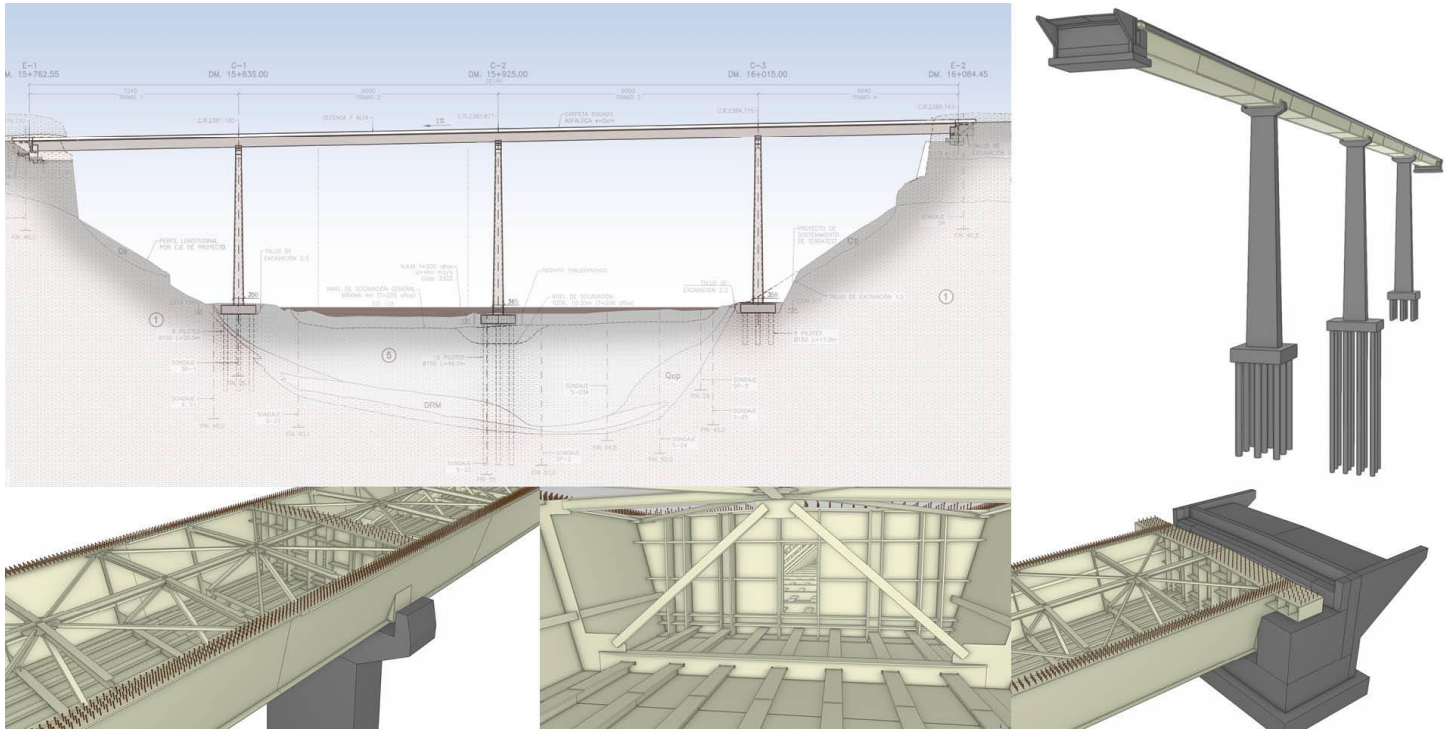


Yalquincha Viaduct

Calama, Chile / 2017-2022

Characteristics
Owner
Client
Constructor
Scope

BIM: 3d model coordination with terrain y roads model, drawing and BOQ extractions | LOD350
Concesionaria Rutas del Loa
FERROVIAL Chile
FERROVIAL
detailed design



The Yalquincha viaduct is a 318 m long composite box girder bridge with four spans of 70.5, 90.0, 90.0 y 67.5 m. The bridge is part of the Calama bypass, which is part of the Rutas del Loa PPP project.

The deck is a steel - concrete composite box girder with a total depth of 3.60 m and 12,80 m wide.

The most significant aspects of the project are the area high seismic activity, the presence of important levels of liquefiable soils and the incremental launching construction sequence.



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