



Correntías footbridge

Orihuela, Spain / 2018

Structural type
Characteristics
Owner
Client
Scope

structural concrete footbridge
polygonal elevated structure
Ayuntamiento de Orihuela
ADIF AV
detailed design



FHECOR-AUDINGINTRAESA JV was charged by ADIF with the design and elaboration of the Construction Project for the new “Correntías” footbridge located at Orihuela (Alicante, Spain), nearby the existing one. The structure spans over CV-930 Road and Levante High Speed Railway Line allowing the connection between the City Center and the “Correntías” Industrial Area.

The footbridge, which has a span arrangement of 25.4 + 12.3 m, consists of a reinforcing concrete U-shaped beam of variable depth ranged from 0.5 m to 1.5m. A drilled steel plate has been defined over the main spans with the twofold purpose of providing singularity to the design and, at the same time, an antivandalism protection of the railway line. The access ramps are also defined as reinforcing concrete U-shaped beam. In this case, the reduced span allows to have a constant depth of 0.5 m. The transverse section, which has a clear width of 2.2 m, accommodates every kind of pedestrian traffic.

The new footbridge will be accessible for disable people. The design also will allow to reduce the maintenance as it has been design as a concrete structure.



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