



INGELMUNSTER BRIDGE - 08.030.01

Program

Complete mission for architectural and structural design.

Concept

The village centre of Ingelmunster is divided by de Mandel Valley and the channel Leie-Roeselare. The station and market square situate themselves each at another side of this valley. The renovation of the centre wants to unify both spatially. The master plan proposes a unified public space, 'the platform', that starts in one part of the village, spans the valley and lands in the other half. The heart of the plan is the new village bridge, which is unifying the public space of the village centre and restores the view of the valley with both watercourses.

Specific features

Ney & Partners designed in collaboration with 360 Architecten and Bureau Bas Smets an open steel concrete arch bridge with multiple spans. The bridge has a total length of 286 m and a main span of 110 m. The two parallel steel structures of the arches and main girders rest on the concrete deck that links them both. The structure is efficient and light and creates maximum transparency in the landscape. The transparency is enhanced by a central opening and transparent grid to provide the bridge deck. The arches lift up literally the public space – road, bicycle and foot paths – above the Mandel and channel. The materialization is in line with the already refurbished market square and a landscaped car park, and will be repeated for the station square. The abutments of the bridge are made in masonry, so the new bridge integrates itself in the village context. With slopes of up to 4% and separated bike lanes, the new bridge is easy accessible for cyclists. A staircase connects the bridge with the square under the bridge and the residential area between the river and the channel.



Study: 2014 - 2015
 Execution: 2016 - 2018
 Architect: 360 Architecten - Bureau Bas Smets

Client:
Ingelmunster City Council
Ingelmunster, Belgium

Length: 286 m
Total budget: 17.350.855 € Vat Excl
State: In execution
Images credits: 360 - Ney & Partners -
Bureau Bas Smets
Copyright: Ney & Partners

Site: