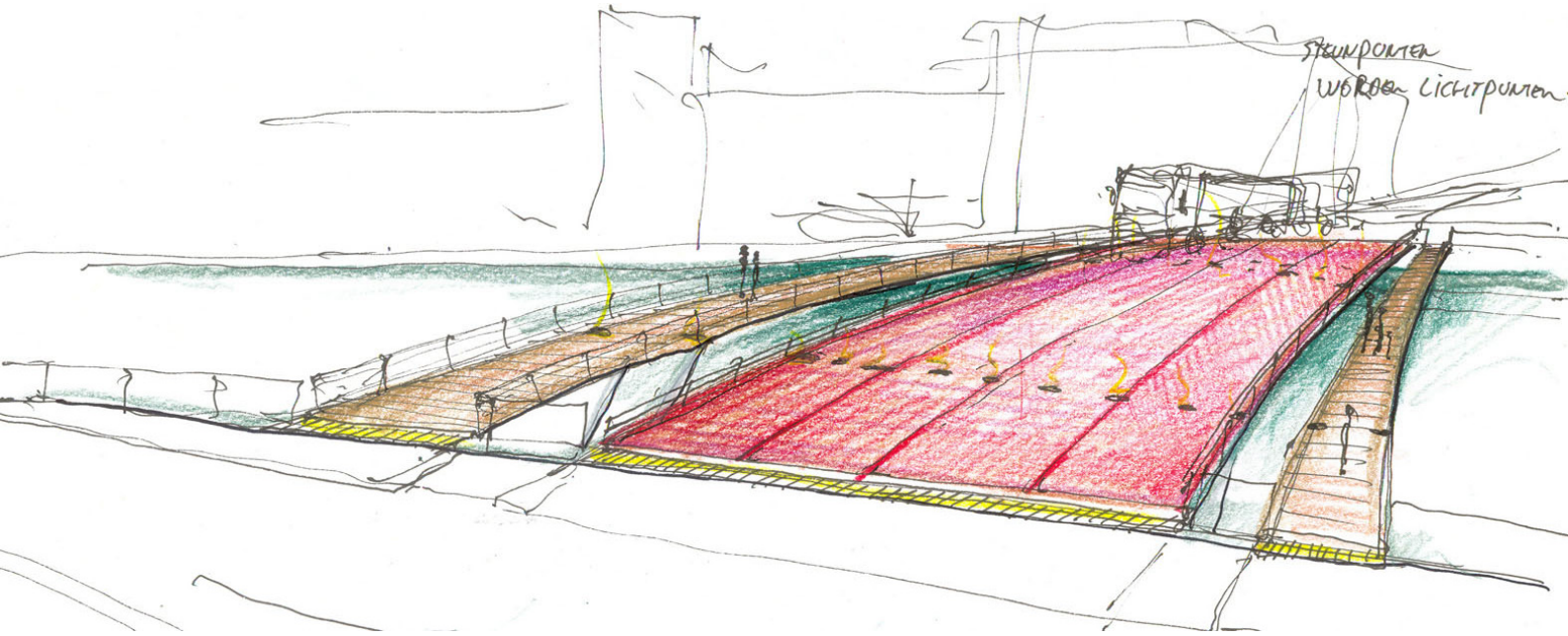


small

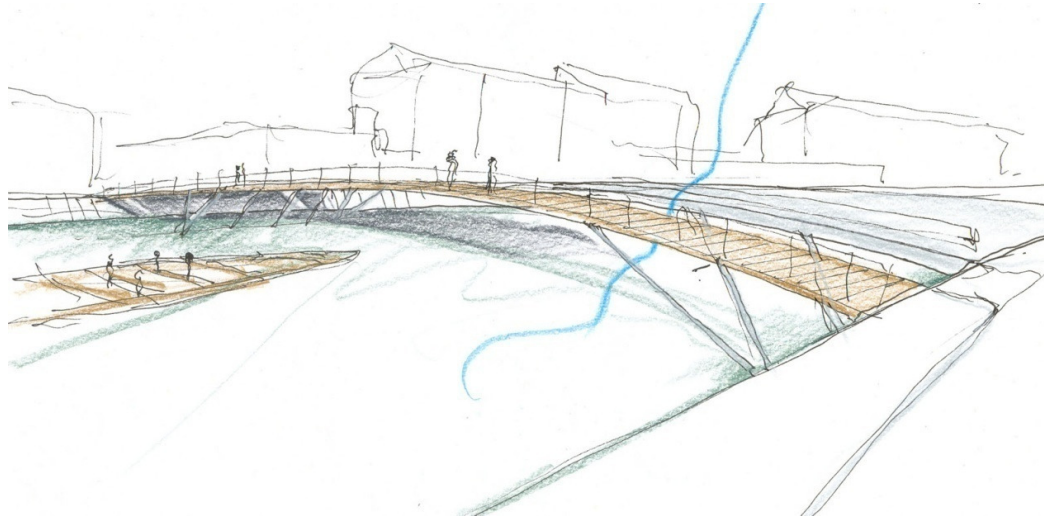
eer

two bridges
competition

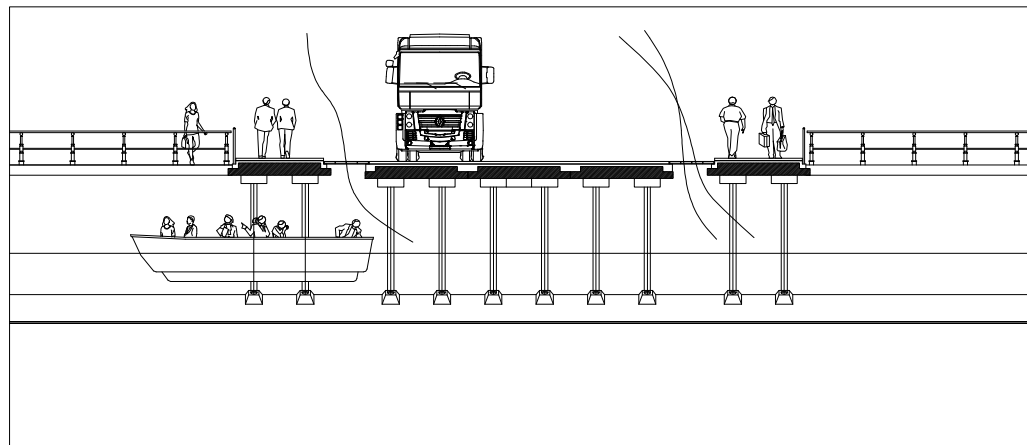
wiennaard+nieuwbrug



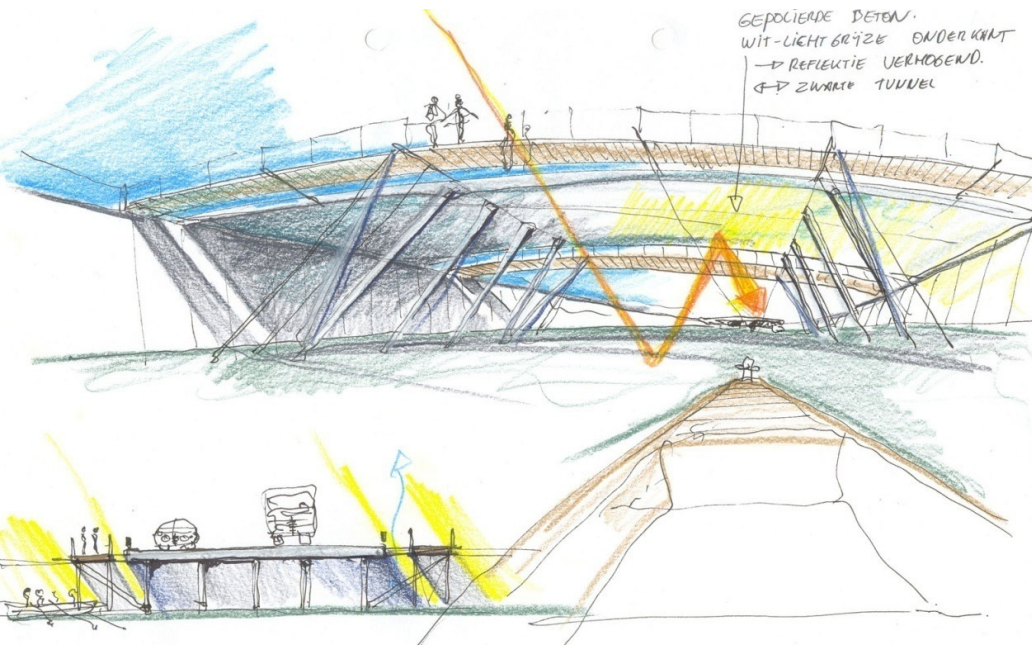
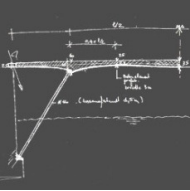
urbanism: the bridge is a minimal structure with a low visual impact to respect the historic surroundings of the city centre.



architecture: five identical prefabricated, pre-stressed concrete plates are sufficient to create a bridge of striking simplicity. the slightly arched shape is a formal translation of the forces inside the bridge, with the additional advantage of easily evacuating excess water. each concrete plate is supported by 4 steel columns, inclined according to the most optimal angle to transfer the forces and to minimize the span. the pedestrian areas are disconnected from the main bridge in order to create a physical and visual safety zone. in the same time it allows natural sunlight to enter below the bridge, a welcome feature for the tourist boats.

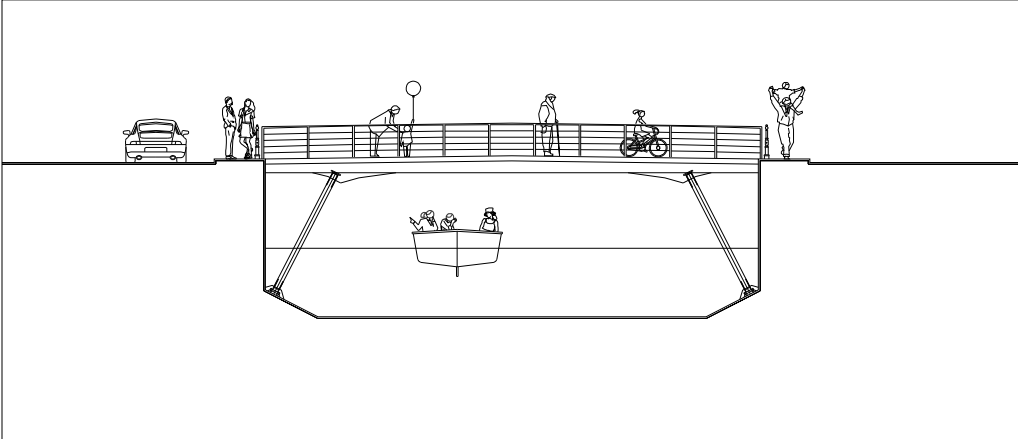
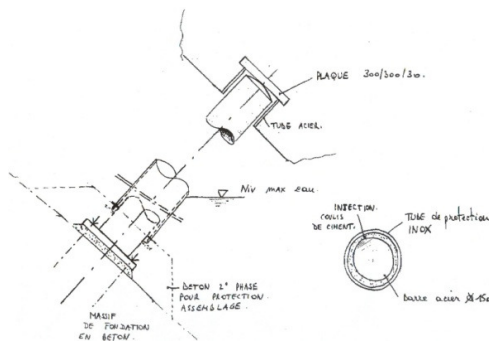
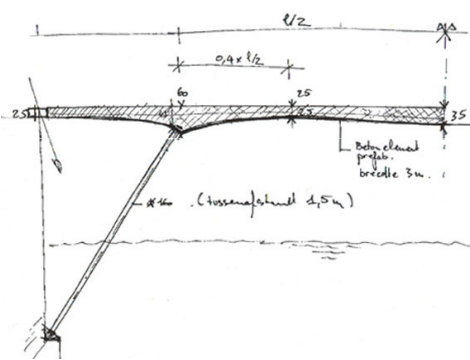


wienaard+nieuwbrug



materials: for reasons of low maintenance, the bridges are designed to be built with durable materials. the pedestrian bridge is covered with a timber deck. the pavement on the bridges is covered with the typical irregular cobble stone: when crossing the bridge by car, the driver is made aware of this act through changes in phonic and visual perception. to avoid a claustrophobic "black tunnel" effect for boat passengers, the underside of the bridge is high polish white concrete to guarantee a maximum of light reflection.

lighting: functional lighting will be assured from the quay, while the steel columns underneath the bridge are lit by underwater spots. this creates a magical light on the water, giving the impression of a floating bridge.



project wienaardbrug
 nieuwbbrug
function bridges
 competition
with ney & partners
location gent
 belgium
year 2001