

maeg

MASARYKOVA BRIDGE

BRIDGES AND VIADUCTS

- **ARCH BRIDGES**

MASARYKOVA BRIDGE

Location

Olomouc, Czech Republic

Contractor

SILNICE GROUP a.s.

Scope of work

Design, fabrication and installation of steel structures

Period of execution

2020-2021

Weight

480 tons

Length

55 meters

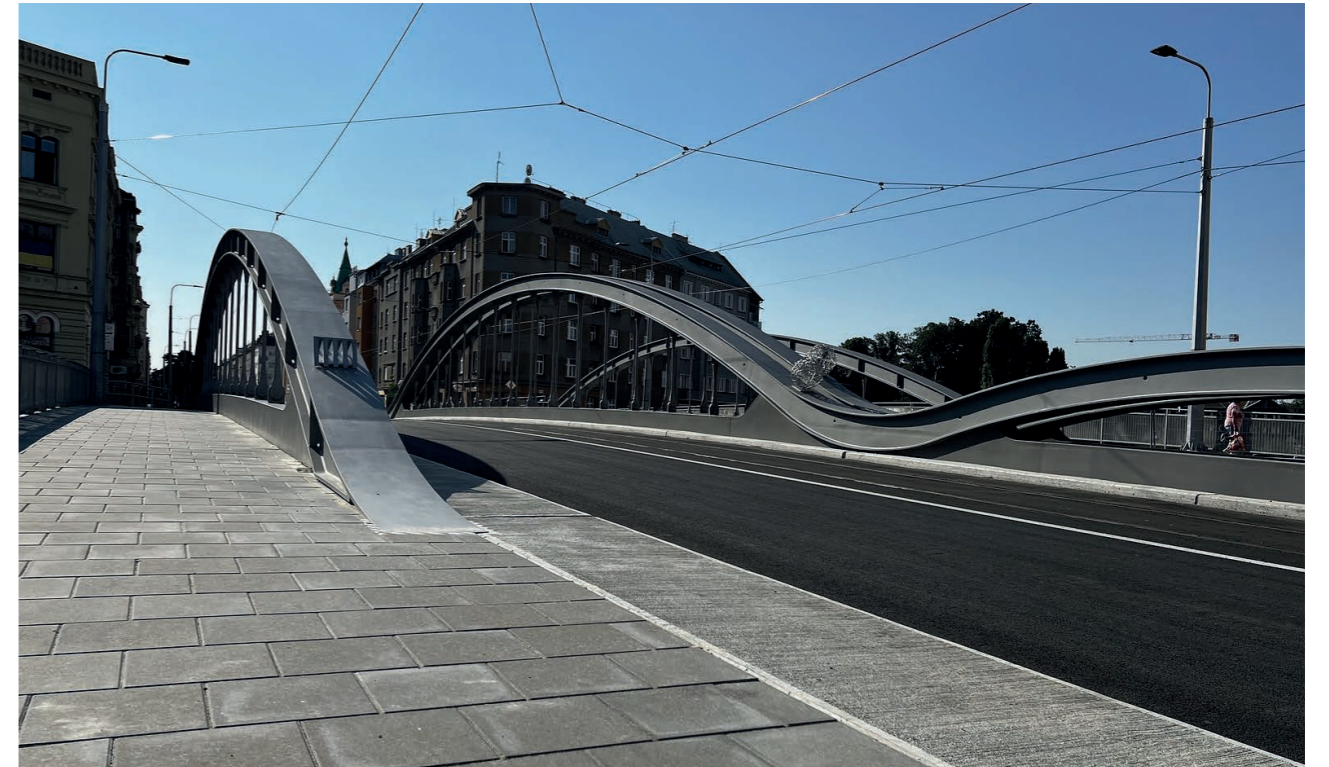
The Morava River basin is usually affected by copious floods. Since the most destructive one in 1997, the Olomouc districts started to implement flood protection measures: due to the necessary widening of the riverbed, there was the need to replace the existing bridge located in Masarykova Street.

The Bridge over the Morava River is both a road and rail bridge and it represents the penultimate phase in the construction of this stage of flood protection. The structure has been designed by the renowned architect Antonín Novák to resemble the shape of a floating fish, which is recalled by the sinuosity of the double arches placed on the internal side of each of the two carriageways and connected to the deck with metal bars with a diameter of 60mm. The overall structure has a width of 26 meters and a length of 55 meters. Its installation took place in in two

different moments to avoid the interruption of the traffic, one carriageway per time: firstly one way of the existing bridge has been demolished, then the new structures assembled on the ground and lastly launched in its final position with the aid of a launching nose.









Ideas
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