

Margaret Bridge (Hungary)



Project description

The Margaret Bridge is a three-way bridge in the capital of Hungary, connecting Buda and Pest across the river Danube and linking Margaret Island to the banks. It is the second-oldest public bridge in Budapest built between 1872 and 1876.

By the beginning of the 2000s, the bridge was in a very bad shape. The fact that the condition of the bridge was rated as life-threatening demanded an immediate reconstruction, which started in 2009. During the works the City of Budapest aimed to restore the original appearance of the bridge. Instead of using reinforced concrete, durable steel was used. New barriers and floodlights were also installed. The middle lanes were widened and the sidewalk was expanded by two meters. A bicycle lane was also added to the final design.

mageba scope

mageba delivered the following products:

- TENSA®FINGER cantilever finger joint of types F80LL and F120LL
- TENSA®GRIP single gap joints of type WSF80

mageba was also tasked to install the joints. The two pairs of tram rails running across the bridge, and the narrow time frame that was provided for the installation made the project challenging. Despite of these difficulties mageba successfully implemented both, the production and the installation of the joints in due time.

Highlights & Facts

mageba Products:

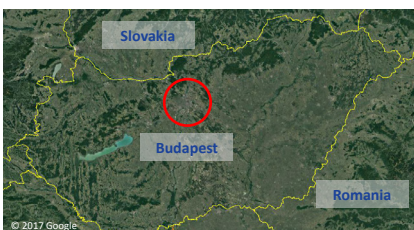
Type: TENSA®GRIP single gap joint of type WSF80
TENSA®FINGER cantilever finger joints of type F80LL and F120LL

Installation: 2010

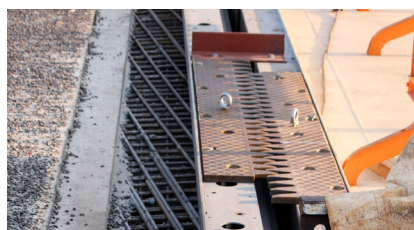
Structure:

City: Budapest
Country: Hungary
Type: Three-way bridge
Built: 1872–1876
Renovation: 2009–2011
Length: 607 m
Owner: City of Budapest
Engineer: Ernest Göüin
Contractor: Ernest Göüin et Cie.

The bridge connects the two banks of the Danube as well as Margaret Island



Recess of the finger joint before concreting



TENSA®FINGER joint of type F80LL installed in the bridge deck

