

Kiskörei Tisza Bridge (Hungary)



Project description

Originally the Kiskörei Tisza Bridge was built as railway bridge in 1940, but in 1958 due to upgrade works it became a mixed use crossing which is used by the railway as well as road vehicles.

On the bridge, the railway tracks were sunk into the concrete surface of the single traffic lane.

The traffic is regulated by traffic lights at both ends of the structure allowing only trains or road vehicles to cross the bridge from one direction at a time.

Since the bridge structure is nearly 50 years old the Hungarian Road Authorities decided the renovate the whole structure. The expansion joints were replaced in 2018.

mageba scope

For this project, mageba supplied three units of TENSA®FINGER joints of type F80 with movement capacities of 20 mm and 40 mm, and one unit of type F160 with a movement capacity of up to 80 mm.

The joints were chosen partially due to their excellent fatigue resistance and suitability for heavy traffic load.

The F80 joints were installed at pillar I, III and IV, whereas the F160 was built in at pillar II of the structure.

The joints were installed in sections due to the railway tracks that were also replaced during the renovation works.

Highlights & Facts

mageba Products:

Type: TENSA®FINGER cantilever finger joints of types F80 and F160

Installation: 2018

Structure:

City: Kisköre
Country: Hungary
Type: Tied arch bridge
Length: 584 m
Built: 1958
Owner: Magyar Közút
Contractor: AHÍD-ZRT.

The bridge connects the town of Kisköre with the village of Pusztataskony



One of the delivered TENSA®FINGER expansion joints assembled in the Hungarian factory



TENSA®FINGER joint were built in sections leaving space for the new railway tracks

