

Sajó Bridge on Highway 260 (Hungary)



Project description

Highway 260 in northern Hungary serves as a bypass between the towns of Sajószentpéter and Berente, and runs parallel to Highway 26.

This much anticipated project was finished at the end of 2023, and was built with the purpose of reducing traffic volume on Highway 26, and also shortening travel times between the towns of Miskolc, Kazincbarcika and Berente.

On its 10.5 km-length the bypass features two roundabouts and a 164 m-long composite bridge, which crosses the Sajó River.

The bridge's massive steel superstructure was launched together with its reinforced concrete deck using a large launching structure that weighed 60 tons on its own. This technology has so far only been used for two bridges in Hungary.

mageba scope

The new structure was equipped with 8 RESTON®SPHERICAL bearings with maximum vertical load capacities of 3,200 kN, 6,000 kN and 6,400 kN.

The products were installed using the so called "upside-down" method, which means that instead of placing the bearings on the supporting columns, they were fixed on the girders of the bridge deck.

After the deck was launched and reached its final position, the spherical bearings were hung from the superstructure.

The lower anchor plates were welded to the reinforcement, then the fixing strudes were cut to release the bearings and finally the base was concreted. As a last step, the fixing screws on the bearings were tightened.

Highlights & Facts

mageba Products:

Type: RESTON®SPHERICAL bearings

Installation: 2023

Structure:

City: Sajószentpéter

Country: Hungary

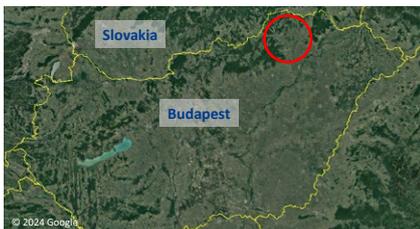
Type: Composite bridge

Length: 164 m

Owner: Nemzeti Infrastruktúra Fejlesztő Zrt.

Contractor: Duna Aszfalt Zrt.

The bridge is located in northern Hungary, near the town of Sajószentpéter



A RESTON®SPHERICAL bearings as installed in the bridge



The installed spherical bearings are also equipped with dust skirts

