

Building Bridges with HOBAS®

7.5 km BridgeLine Pipes Help Providing for a Safe Journey through Slovakia

The highway D1 in Slovakia runs from the east to the west of the country. It forms a part of the Pan-European corridor and is partly still under construction. Over the past months Slovakia has been busily working for instance on the 9,595 km long highway section between Sverepec and Vrtižer which is particularly challenging to implement. Due to the rugged terrain somewhat 20 bridges are built adding up to a total length of 7,014 m. Included are highway bridges, bridges at intersections, overpasses as well as a makeshift bridge. Most impressive are probably the town flyover that overpasses Považská Bystrica in 30 m height and bridge no. 207, the longest of the 20 bridges and equipped with the in relation largest diameter pipes.



SK10BRL 1: HOBAS BridgeLine Pipes fixed on hangers

For bridge drainage it was decided to utilize HOBAS CC-GRP BridgeLine Systems. High corrosion resistance, excellent hydraulic properties, a quick assembly under also challenging conditions, absolute leak tightness, angular deflection in the couplings, a long lifetime and resistance against UV light were the main points that convinced the client. Along with these advantages, several successful bridge projects in Slovakia and abroad that have been and are currently carried out with HOBAS Pipes facilitated the decision.



SK10BRL 2: 7463 m Drainage Pipes is the total length of bridge drainage pipe

The CC-GRP Drainage Pipes are partly fixed on hangers and partly run inside the bridge itself. At curved sections with smaller radii the standard 6 m long pipes were cut into two to fully exploit the angular deflection in a higher number of joints and to ultimately achieve sharper bends. This way the pipelines were perfectly adapted to their route along the bridge. Made to measure HOBAS CC-GRP Fittings rounded the employed product range and played an important role in fulfilling the project's requirements.



SK10BRL 3: HOBAS Pipe installed in the bridge

The HOBAS Products were delivered continuously, in accordance with the client and directly to the bridges under construction. A close and well functioning cooperation between the HOBAS Experts and the contractor ensured that the logistics ran smoothly. All parties believe to have made the right choice with HOBAS BridgeLine Systems and the inhabitants of

Northwest Slovakia are pleased with the new highway section between Sverepec – Vrtižer which upgraded the region's infrastructure.

Overview	
Year of construction	2009 - 2010
Total length of pipeline	7463 m
Diameter	DN 150, 200, 250, 300, 400, 500
Pressure class	PN 1
Stiffness class	SN 10000, SN 5000
Application	BridgeLine®
Client	NDS a. s. (Národná Diaľničná Spoločnosť = national highway company)
Designer	Dopravoprojekt a.s.
Advantages	Excellent hydraulic properties, easy installation, UV resistance