CASE HISTORY
Rev. 00, No. 1000027-SK, Issue Date 12.07.2014

D1 DUBNÁ SKALA-TURANY, SO 236-00, 237-00 Retaining wall
SLOVAKIA, SUČANY

REINFORCED SOIL STRUCTURES
Product: MacRes®

Problem
Retaining walls 236-00, 237-00 length of 86.0 m are reinforced soil walls of the type "back to back". Retaining walls form a ramp of the access road 142-00, which passes over a highway D1 bridge 212-00. The access road runs along the highway and the road embankment would collide with the highway on the left side and the railway line on the right side.

Solution
Ramps are located on both sides of the bridge structure. Retaining walls gain a maximum height of 12.0 m, in the crown is a precast coping. On the coping is located steel crash barrier. Due to the small width of the access road the panels of both sides of the wall are connected—tied together with geostrips ParaWeb. Retaining walls form wingwalls of the bridge abutment 212-00. The bridge abutment is formed by three reinforced concrete ribs, the space between the ribs is also filled with the MacRes system.

Client:
NATIONAL MOTORWAY AUTHORITY

Main contractor name:
VÁHOSTAV-SK, a.s.

Consultant:
DOPRAVOPROJEKT, a.s.

Used product:
MacRes® - face surface: 1 200m²

Construction info:
Construction start date: September 2013
Construction end date: September 2014
MACCAFERRI CENTRAL EUROPE s.r.o.
Štefánik 662, 906 13 Brezová pod Bradlom
Commercial-technical office: Kopčianska 15, 851 01 Bratislava
Tel.: 02/ 202 400 56, e-mail: office@maccaferri.sk, www.maccaferri.sk

MACCAFERRI CENTRAL EUROPE s.r.o. has implemented and applies a quality management system pursuant to the standard EN ISO 9001:2008 certified by TSÚS CERTICOM.