REINFORCED SOIL STRUCTURES
Product: Terramesh® System

Problem
Embarkment of junction Žilina road interferes with the path 131-00 to the pension Dubná Skala. Therefore, it is necessary to build a retaining wall between these two ways in order to retain soil of road embankment.

Solution
Retaining wall 231-00 is designed as a reinforced earth structure gabion facing units - system Terramesh with the reinforcement length of 3.0 m, width 3.0 m and gabions with height of 1.0 m respectively 0.5 m made of double twisted wire mesh in combination with uniaxial geogrids PARAGRID 200/05. Retaining wall is from the perpendicular plane inclined at a ratio of 10:1. Inclination is created by offsetting baskets by 10 cm in each row. Construction height of the wall is variable from 1.5 m to 8.5 m and length of 67.5 m.

Client:
NATIONAL MOTORWAY AUTHORITY

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

Consultant:
GEOCONSULT s.r.o.

Used product:
Terramesh® System - face area: 300 m²

Construction info:
Construction start date: June 2013
Construction end date: September 2014
MACCAFERRI CENTRAL EUROPE s.r.o.
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MACCAFERRI CENTRAL EUROPE s.r.o. has implemented and applies a quality management system pursuant to the standard EN ISO 9001:2008 certified by TSUS CERTICOM.

After construction
Date: June 2014

Typical cross-section