Problem
The existing access road to the area TDS Sučany also serves as a pedestrian access path from the old I/18 to the area TDS Sučany and also to the railway station platforms Sučany. The planned highway will interrupt this path, and therefore it is necessary to establish pavement in order to maintain an interconnection of these areas for pedestrians.

Solution
The pathway is kept in close parallel with the D1 highway and the object 142-00, and provides access to the railway platform in Sučany from local roads and from access roads to Turčany logging company.

Modular system element Green Terramesh is designed for reinforcement of soils and for the creation of green slopes with steep inclination up to 70°. System consists of one unit, which combines a reinforcing function while ensuring the stability and greening front slope. The unit is made of double twisted hexagonal mesh, which integrally forms a reinforcing bar, forehead and top panel. The basic material of the unit is hexagonal double twisted wire mesh with the type 8x10 mesh protected with Galmac (Zn alloy-Al 5% MM) and PVC. Steel wire diameter is 2.7/3.7 mm (inside/outside). Front slope is 60°, front height is 0.58 m. Length reinforcements based on statical analysis is 3.0 m. Width of the front is 3.0 m. Reinforced embankment height is 3.0 m.

Client:
NATIONAL MOTORWAY AUTHORITY

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

Consultant:
DOPRAVOPROJEKT a.s.

Used product:
Green Terramesh® - face area: 250 m²

Construction info:
Construction start date: November 2012
Construction end date: October 2013
MACCAFERRI CENTRAL EUROPE s.r.o.
Šterník 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 TSUS CERTICOM.

VZOROVÝ PRIEČNY REZ
VYSTUŽENÝ SVAH M 1:100

After construction
Date: May 2013

Typical cross-section