

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

#### REINFORCED SOIL STRUCTURES

#### Product: MacRes<sup>®</sup>

##### 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<sup>®</sup> - face surface: 1 200m<sup>2</sup>

Construction info:

Construction start date: September 2013

Construction end date: September 2014



Start of construction

Dátum: Október 2012



During construction

Dátum: Jún 2013



During construction

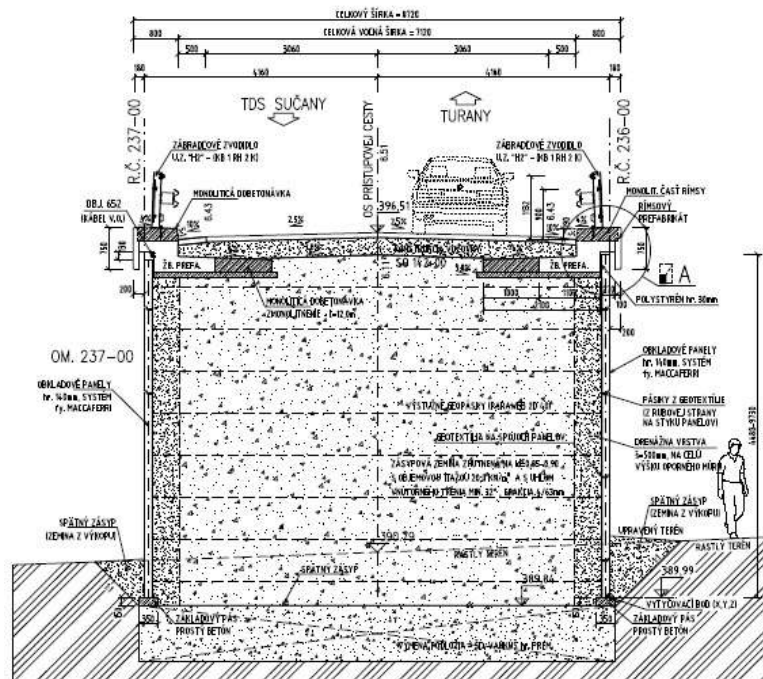
Date: June 2013

## VZOROVÝ PRIEČNY REZ

1:50

SO 236-00 (237-00)

km 0,095000



Typical cross-section



After construction

Date: June 2014