# Route II/502 Nová Bystrica – Oravská Lesná

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Bratislava

Geotechnical excursion, 19.-21.04.2012

#### **Main data**

Length: 9,445 km

Kategory of the route: C 8,5/500

Exceeding: 330 m

Altitude: 600 – 930 m.s.l.

Design speed: 40 km/h

No. of bridges: 11

No. of objects: 60

Construction period: 2004 - 2008



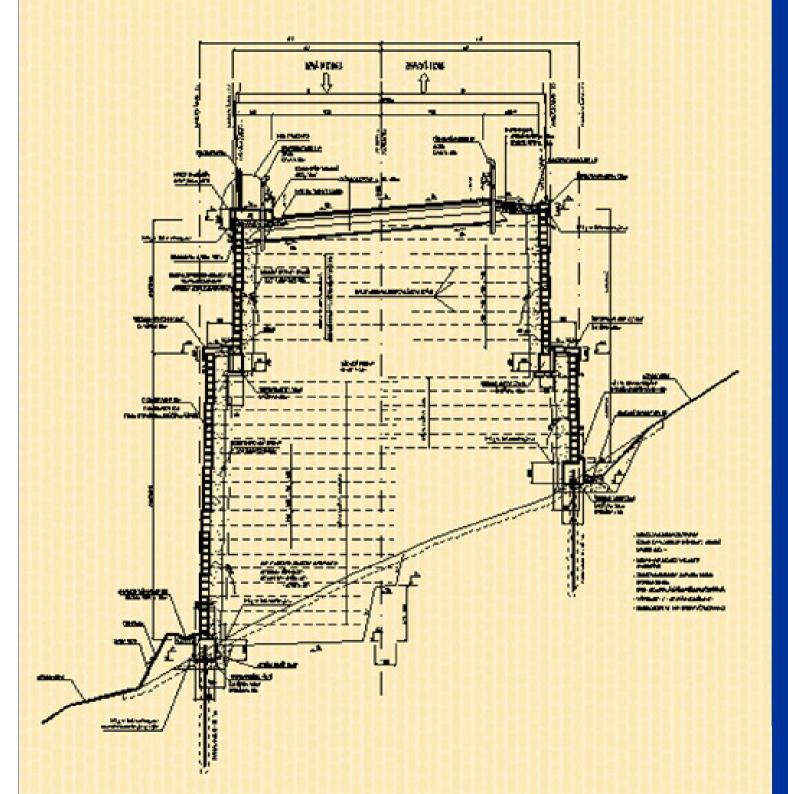












Cross section of filled steel arch with reinforcement using geogrids





Joining of concrete panel to steel arch

Starting reinforcement geogrids

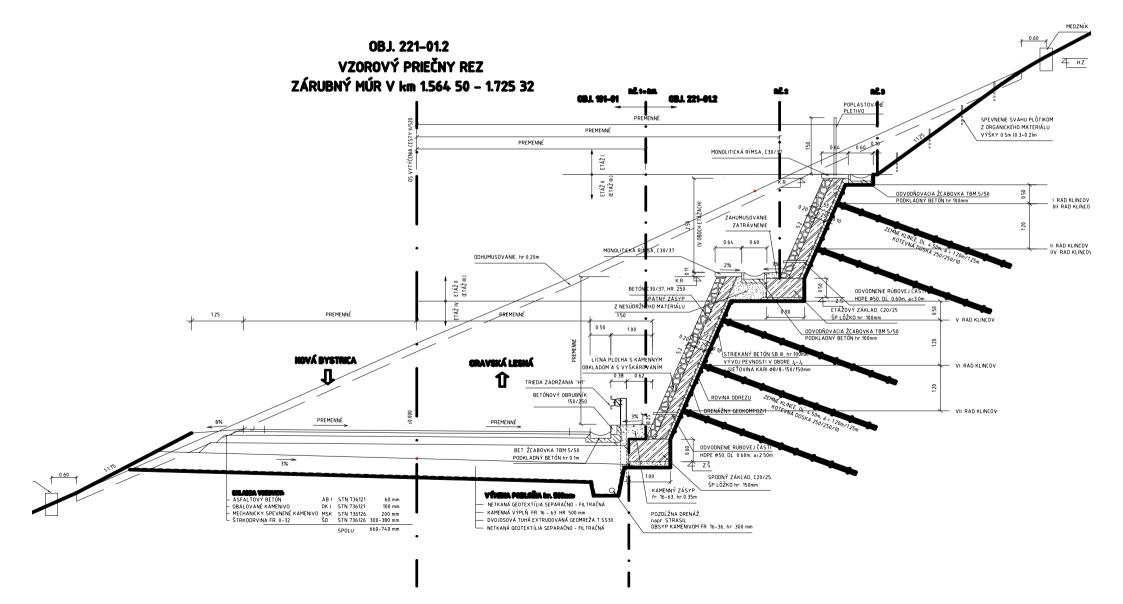






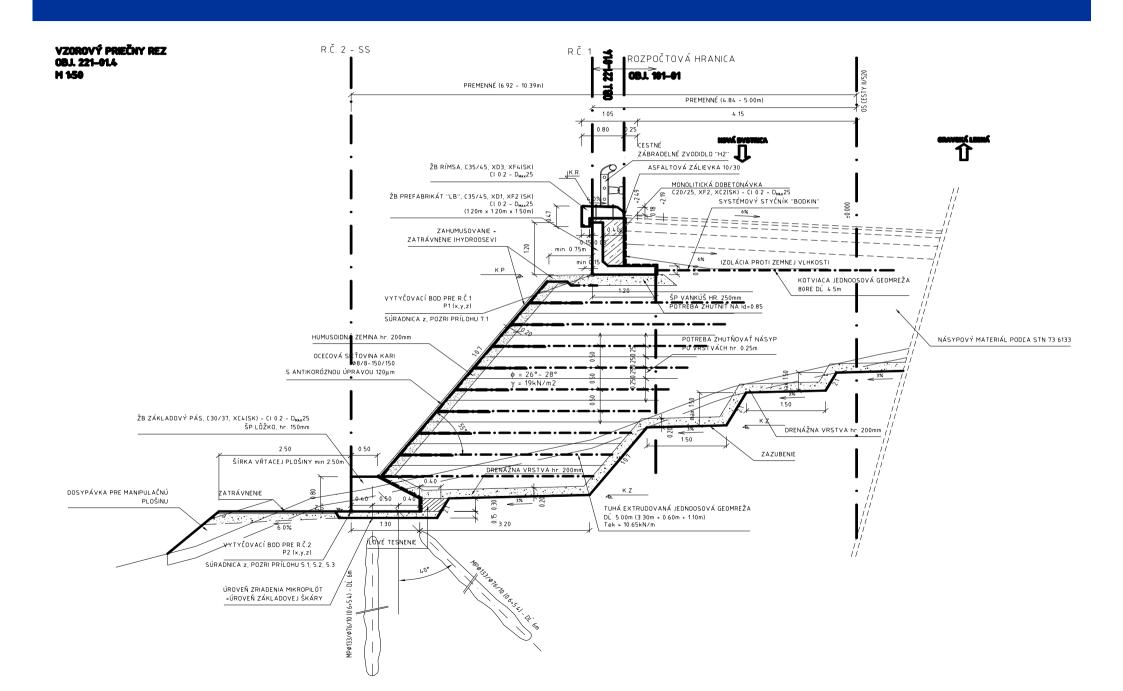


## Typical cross section of soil nailing





### Typical cross section of reinforcement embankment



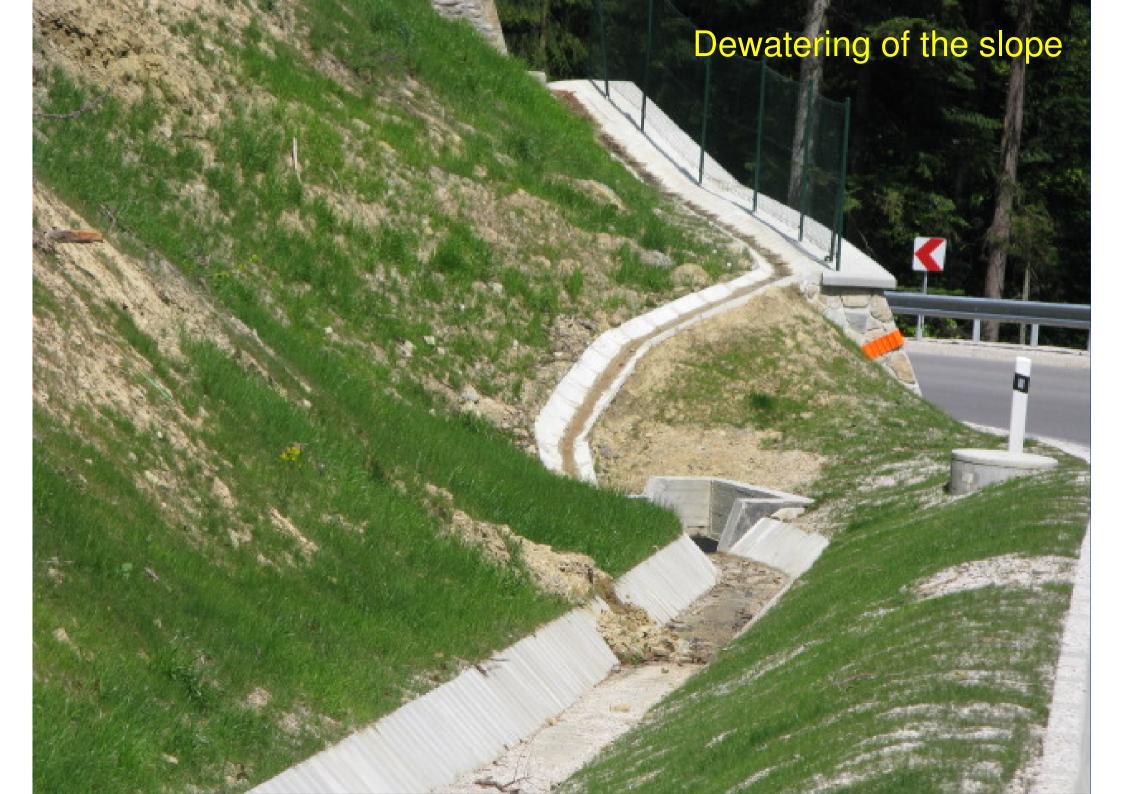












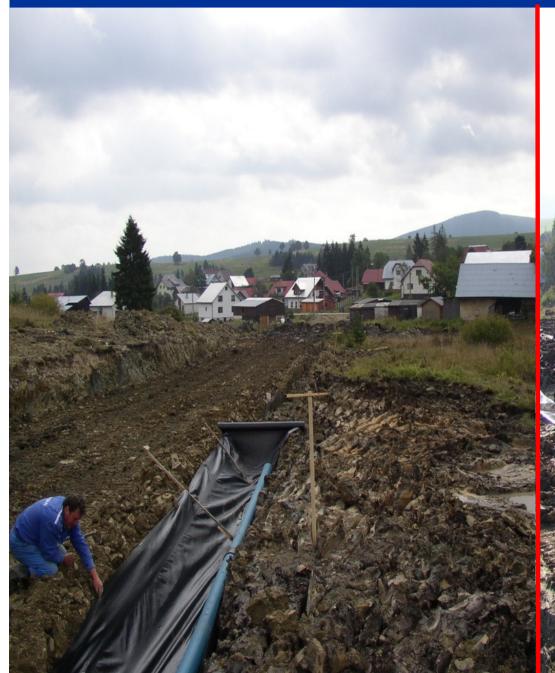
#### Km 8.0 – 9,45: subgrade of the route created by soft clays



# Improving the subsoil by geogrids



## Km 8.0 – 9,45: Dewatering ribs





# Finishing of the route

