

Slovakia

Name: Slovenská tunelárska asociácia ITA/AITES

Type of Structure: Non-profit organisation

Number of Members: Total number 45, number of corporate members 39



ASSOCIATION ACTIVITIES DURING 2022 AND TO DATE

- In cooperation with Slovak Technical University in Bratislava, members of the STA committee have given a lectures on the topic of tunnels and underground construction.
- Lecture have also been given members of the STA committee in cooperation with the Technical University in Žilina.
- STA and the Czech Tunnelling Association continued to publish the quarterly journal Tunel.

CURRENT TUNNELLING ACTIVITIES

Bikoš Tunnelfirst

In 2022, works continued on the second stretch of the Prešov bypass which consists of a 4.3km long section of the R4 expressway and includes the 1.1km long Bikoš tunnel. The works for the construction of the Bikoš tunnel were almost finished by the start of 2023. The landscaping of the portals and the operational and technical facilities are still being completed. Work is continuing on equipping the tunnel, including installation of lighting, laying of cables and power supply equipment. The opening of R4 expressway with the Bikoš Tunnel is expected in August 2023.

Čebrať Tunnel

The construction of the 3.6km long Čebrať tunnel on the Hubová - Ivachnová D1 motorway continued through 2022. The southern tunnel tube broke through on the 15th November 2022, and to date

tunnelling is complete. The breakthrough of the northern tube followed in January 2023. Works on the secondary lining are underway in both tunnel tubes.

Višňové Tunnel

The 7.5km long Višňové twin-tube tunnel is being built on the D1 Lietavská Lúčka - Višňové - Dubná Skala motorway

section. It is located in the Malá Fatra Mountains. The secondary lining of the north and south tunnel tubes, including the 18 emergency bays are complete. The construction of all 10 connections to the drainage tunnel from the cross-connections are also complete. In the drainage tunnel itself, reinforcement of the lining and the recesses for lifting drainage water into the central trough are being implemented.

FUTURE TUNNELLING ACTIVITIES

Okruhliak tunnel

The second section of the R4 Expressway Prešov bypass which includes the 2km long Okruhliak Tunnel is still in the tender phase. If the public procurement is successful, the works on the tunnel could start at the end of 2023.



Višňové tunnel

STATISTICS

1. Length or volume excavated - % mechanized / % conventional during 2020

600m, 100% conventional

2. List of tunnels completed in 2021:

Tunnel Bikoš, Tunnel Čebra, Tunnel Višňové

EDUCATION ON TUNNELLING IN THE COUNTRY

- Slovak technical university in Bratislava, Faculty of civil engineering, Department of geotechnics
- University of Žilina, Faculty of civil engineering, Department of geotechnics
- Technical University of Košice, Faculty of Mining, Ecology, Process Control and Geotechnologies, Faculty of civil engineering