

Macedonia



Name: Republic of North Macedonian
Type of Structure: Non profit open association
Number of Members: 50 members

ASSOCIATION ACTIVITIES DURING 2018 AND TO DATE

In 2018 members of the Macedonian Tunnelling Association were mainly active in reviewing the main design of railway tunnels on the corridor VIII as follow:

- Section Kicevo – Border with Rep of Albania (11 tunnels)

- Section Beljakovce – Kriva Palanka (13 tunnels)
- Section Kriva Palanka – Border with Rep. of Bulgaria (22 tunnels)

Also some members of ITA Macedonia were consultants of the Macedonian Enterprise for State Roads concerning



tunnelling activities on two sections on corridor X:

- Motorway on section Kicevo – Ohrid (2 tunnels)
- Members of ITA Macedonia are involved in organization of “XVI Danube-European Conference on Geotechnical Engineering”, and “Risk Analysis in Tunnelling” seminar which was held in June 2018.

CURRENT TUNNELLING ACTIVITIES

Construction of the longest road tunnel in the Rep of North Macedonia, the Preseka on Motorway A2, section Kicevo-Ohrid tunnel. Two tunnel tubes, with lengths of 2.2km each. Almost 90% of the tunnel length was excavated in graphite phyllites in category V after Bienawski. Primary support system - pipe roof in combination with heavy steel arches IPB 200 and 30cm of shotcrete.

FUTURE TUNNELLING ACTIVITIES

- Design of the tunnel Kolibari on motorway A2, section Gostivar – Kicevo, Corridor 8
- Tendering procedures for 13 tunnels on the Railway line Beljakovce – Kriva Pakanka
- Organizing seminars for tunnel construction methods for the engineers which will be involved in realization of future tunnels in Macedonia.
- Members of ITA Macedonia will take an active role in the construction of future tunnels through the consultancy of Macedonian public enterprises for State roads and railways.

STATISTICS

1. Length or volume excavated - % mechanized/100 % conventional during 2018
2. List of tunnels completed: €50M
3. List of tunnels completed none
4. List of tunnels under construction Tunnel Preseka on Motorway A2, section Kicevo - Ohrid

EDUCATION ON TUNNELLING IN THE COUNTRY

- Tunnels on graduate studies, Faculty of Civil Engineering – Skopje
- Selected chapters of tunnels, post graduate studies, Faculty of Civil Engineering – Skopje