Turkey



Name: Turkish Road Association

Type of Structure: TRA is an open association. Its function is to promote, coordinate and spread studies and research in the field of roads, highways, motorways, tunneling and other underground works.

Number of Members: As of January 1st, 2021, TRA has 503 members of which 437 are individuals and 66 are corporate members which represent Universities, Consultants, Contractors, Manufacturers and some of the other Governmental Organizations.

ASSOCIATION ACTIVITIES DURING 2020 AND TO DATE

Due to the COVID-19 the 8th National Asphalt Symposium and Exhibition planned to be held in 2020 was postponed. The General Assemblies andmeetings were also affected by regulations and restrictions. However, the courses and the seminars on tunneling at our Universities continued online.

CURRENT TUNNELLING ACTIVITIES New Zigana Tunnel

The 14.5km long New Zigana Tunnel project in Turkey is currently under construction. The tunnel is a twin-tube, blast-and-drill NATM excavation, that will connect the state roads between the Gumushane and Trabzon provinces in Turkey's northeast, at an altitude of over 1,200m a.s.l. The construction of the tunnel will replace the existing route over the Zigana Pass, which reaches an altitude a.s.l of 2,032m. The construction schedule is 2016 - 2022. The tunnel's geometrical configuration accommodates all vehicles that use the

roads leading to the tunnel, including overweight vehicles. Upon completion of the tunnel, the existing road will be shortened by 8km. In 2020, 2 x 11,430m lengths of excavation and support, and 2 x 8,130m long final concrete lining were completed.

Egribel Tunnel

The 5,905m long tunnel is a twin-tube, drill and blast excavation with a construction schedule between 2019 – 2022. The total length of the project with connection roads is 7.7km and connects the Eastern part of Black Sea Region to Central Anatolia. Currently, excavation and support is complete and of 4522m of final concrete lining, 4486m is complete in the right tube, and 36m in the left tube.

Alacabel Tunnel

The Alacabel Tunnel is on the route connecting the Konya and Antalya provinces. The project is 19.2km long and consist of 2 x 7,360m of tunnel and an 11.8km long divided road. The construction time is from 2016 - 2021 and work progress

rate is at almost 99%. In 2020, 10,595m excavation and support, with 8,532m of final concrete works were completed.

Kirik Tunnel

The project section is 15.78km long, situated on the axis between the Rize and Erzurum provinces. It includes the 7,105m long Kirik Tunnel. When the Kirik tunnel and the Ovit tunnel open to the traffic on the same route, it will negate sixmonths of road closure in the winter season. The construction time is 2013 - 2023. The progress rate of the project is 37%, and in 2020, 8,606m (61%) excavation and support and 1,537m (11%) of final concrete lining were completed.

Kop Tunnel

The Kop tunnel lies on the 11.2km long section of the route from Askale to Bayburt and includes 6,500m twin-tube Kop tunnel and 4.7km of connection roads. When complete, access between the Gurbulak Border Gate and the Trabzon Port will bemade easier. With the completion of the tunnel, economic and social structures of the Black Sea, Eastern Anatolia and Southeastern Anatolia will be greatly improved. The construction period is from 2011 - 2023 and work progress as of 2020 is 43% in total. 6,920m excavation and 53% of support with 3894m final concrete lining were completed in the tunnel on the previous year.

Ilgar Tunnel

Ilgar Tunnel is on the route between Ardahan Province and Posof town which is on the Georgia border. There are 2 x 4.9km long twin-tube tunnels within the project. With the completion of the Ilgar Tunnel, the route will be shortened by 5km. The construction period is 2017 - 2023. In 2020, 320m of excavation and support, and 260m of final concrete lining were completed.

Sertavul Tunnel

The tunnel is on the axis of the connection between the Karaman andmersin provinces. The project is 9.8km in total, with a twin-tube, 2 x 3,300m long tunnel and connection roads. The construction time is 2017 - 2022 and work progress is 25%.

Salarha Tunnel

The Salarha tunnel and connection road project is 4,300m in length and includes the 2 x 2,958m long, twin-tube Salarha tunnel, three bridges of 231m length, and 1,335m long connection roads. Construction time is 2019 - 2021. The progress is at 80% in total. In 2020, the right tube of the Salarha



tunnel was completed with connection roads. The planned completion of the tunnel construction works is this year.

Yusufeli Dam Relocation Road Tunnels

The Yusufeli Dam is located approximately 40km southeast of the Artvin Province and 10km downstream of the Yusufeli subprovince located on the Coruh River. When completed, the 275m high Yusufeli Dam will be highest dam in Turkey, and will be the third highest double curvature concrete arch dam in the world. The Yusufeli Dam Relocation Road has a total 32,911m long, 22 single tube tunnels, 14 of which have have completed.

Trabzon Askale State Road Tunnels:

The road is located in the North South axis of Turkey. The 214.2km long road features 20 twin-tube tunnels of a total 46,747m, and 11 single tube tunnel reaching 5,039m in length. These projects will give drivers amore comfortable and safer experience. Total construction progress is at 52% with 20,998m long of twin-tube tunnels, and 5,039m long single tube tunnels completed.

Pirinkayalar Tunnel

The Pirinkayalar tunnel is on the 3.34km state road on the connection between Artvin and Erzurum provinces. The project consist of the 2,302m long Pirinkayalar tunnel with a single lane and 1.04km of connecting road. In 2020, 100% of excavation and support, and 50% of final concrete lining was completed in the tunnel. The construction time is 2017 - 2023.

Mediterranean Coastal Road Tunnels

Themediterranean Coast Road betweenmersin and Antalya is 440km long and includes a total 45,685m length in 34 tunnels. The construction of 19 tunnels with total length of 15,084m has been completed to date.

Dudullu-Bostanci Subway Line

The Dudullu-Bostanci Subway Line will be 14km long. The journey will take 21minutes on the Dudullu-Bostanci Subway Line, which will have 13 stations. With the connection to bemade at the Kozyatagi Station, the transfer to Kadikoy-Pendik Subway Line will be provided. In 2020, 70% of the tunnel excavation was achieved.

Atakoy-Basın Express - İkitelli Subway Line

The Atakoy-Basin Express - İkitelli Subway Line will be 13km long and will have 12 stations. The line starts from İkitelli Guney Sanayi and the road follows a corridor



parallel to the Basin Express Access Road. Construction progress to date is 61%.

Umraniye – Atasehir – Goztepe Subway Line

This double decked tunnel will have a 13km length with a 21minute long journey. The Umraniye – Atasehir – Goztepe Subway Line is currently under construction. Five TBMs are working on the project.

Halkali New Airport Subway Line Construction

The Halkali New Airport Subway Line is being excavated between Gayrettepe and Istanbul Airport. The tunnel's total length is 61,184m which and designed as double deck. The Line is under-construction using TBM and NATMmethods. Nine percent progress, or over 33.2km has been achieved by TBM. In the NATM tunnel works 3.8% progress of 24.5km has completed.

Gayrettepe - Kagıthane New Airport Subway Line

The Halkali New Airport Subway Line is an under-construction project being built using TBM and NATMmethods. The total length of the line is 61,184m with both single and double deck configurations. Excavation is at 97% and lining at 65%.

Basaksehir – Kayasehir Subway Line

The Başakşehir - Kayaşehir Subway Line

is 6187m with 19minutes of travel time. Themethod of the orbicular subway line's construction is TBM with a double deck tube. Work progress is at 25%.

Bakırköy Bahcelievler Subway Line

The Bakırköy – Bahcelievler Subway Line is totally 2063, 53m and includes seven stations. Within the scope of the project NATM and TBM tunnel designs are included in the double deck tube.

Babakaya and Silvan Irrigation Tunnels

Within the scope of Southeastern Anatolia Project, the Babakaya and Silvan Tunnels are being built to bring water from the Silvan Dam (under construction). The Babakaya Tunnel is 5,320m long, 7m i.d. with two tubes. The Silvan Tunnel is constructed as a single tube with a length of 13.4km and a diameter of 10m. The water in the dam will be transferred to the 97.6km longmain canal through the Silvan and Babakaya Tunnels, 712.50m of progress has been made at the exit of the tunnel. Efforts are underway to adapt the TBM for trapped underground gas.

Hadimi Irrigation Tunnel

The Hadimi Tunnel is an 18,136m long tunnel that will transfer water stored in the Afsar Dam to Bagbasi Dam. The Hadimi Tunnel is one of the biggest projects in the region, and in Turkey. 11,505m of the tunnel



has been excavated by TBM, and 6,631m of the tunnel is constructed by conventional drill and blast.

Sabiha Gokcen Rail Systems

The Sabiha Gokcen Rail System is totally 14,536m and designed by NATMmethod. The rail systems are complete and are designed as double deck.

Istanbul Bakirkoy - Bahcelievler - Kirazli **Subway Line**

The Istanbul Bakirkoy - Bahcelievler -Kirazli Subway Line will be 13,111m long. The journey will take 13.5minutes from Bakirkoy to Kirazli. The line contains eight stations and are designed as double deck and using TBM. TBM Tunnel construction features between the Bakırköy İncirli stations. Upon completion of the Incirli Truss structure, TBM works resumed from Incirli Station to Kirazlı. In this subway 66% of tunnel excavation works, 47% of Station reinforced concrete works, and 25% of rail laying works have been completed. Total progress on the project is 62%.

Omerler Underground Coalmine Tunnel

Omerler Underground Coalmine Tunnel in Kutahya, Turkey is currently under operation. It consists of coal production, which is carried out by fullymechanized excavation with block dent from the back using the recyclable longwallmethod. Panel sizes are in various lengths, and the lengths inside the feet vary between 90 - 110m. The galleries opened are used for the transportation ofmaterials, coal and people.
• Erzurum Pasinler Soylemez Dam

FUTURE TUNNELLING ACTIVITIES Drinking Water Tunnels

- Yatagan Tunnel (Mugla) (12.199m)
- Merkez Karakent Pond (Burdur) (555m)
- Emirdag Pond (Afyonkarahisar) (410m)
- Mersin Pamukluk Dam Irrigation Lead Channel and Facilities Construction Work (Mersin) (4,618m)
- Mugla Yatagan Projectmugla Drinking Water Transmission Line Project Construction (Mugla) (12,281m)

Irrigation Tunnels

- Cermik Kale Project Kale Dam and Irrigation Project, main Irrigation Line (Diyarbakır) (9,505m)
- Adıyaman Buyukçay Irrigation Tunnel (Adiyaman) (9,269,35m)
- Erzurum Elmali Tunnel (Erzurum) (9,000m)
- Erzurum Pasinler Soylemez Dam and Irrigation (Gemlik Tunnel) (Erzurum)
- Goksu Araban Project Besni Keysun Kizilin and Pazarcik Kizkapanli Irrigation Project (Tunnel 2) (Adiyaman) (4,660m)
- Göksu Araban Project Besni Keysun Kizilin and Pazarcik Kizkapanli Irrigation Project (Tunnel 1) (Adiyaman)
- Asagi Cekerek Project Zile, masat Resadiye Cekerek andmamure Plain Irrigation (Tokat) (983m)
- Samsun Salipazari Dam Irrigation (Samsun) (289.35m)
- Erzurum Pasinler Soylemez Dam Irrigation (Gemlik Tunnel) (Erzurum) (5,625m)

- Irrigation (T1 Tunnel) (Erzurum) (2.848.99m)
- Erzurum Elmali Tunnel (Erzurum) (9.000m)
- Kalaba-Seyfe Irrigation Transmission Tunnel-1 (Kayseri/Yamula) (3,360m)
- Kalaba-Seyfe Irrigation Transmission Tunnel-2 (Kayseri/Yamula) (650m)
- Antalya Demre Cevreli Neighborhood Taskin Protection Construction Work (Antalya/Demre) (1,595m)
- Egirdir Tepeli Pond (Isparta) (406m)
- Egirdir Caykoy Dam (Isparta) (372m)
- Sinanpasa Kayadibi Pond (Afyonkarahisar) (116m)
- Merkez Karakent Pond (Burdur) (555m)
- Cavdir Buyukalan Pond (Burdur) (269m)

Highway Tunnels - Double Tube

- East-West Ring Road T-1. Tunnel (Samsun) (2,700m - 2,700m)
- East-West Ring Road T-2. Tunnel (Samsun) (2,700m - 2,700m)
- East-West Ring Road T-3. Tunnel (Samsun) (2,700m - 2,700m)
- (Mersin Tarsusmotorway) Ayr.mersin OSB Connection (Mersin) (279.37m - 279.37m)
- Silifke -mut 3. Bl. Hd (2. Part) T4 Tunnel (Mersin) (861m - 858m)
- Erdemli Silifke Taşucu 13. Regional Border Road Cut Construction (Mersin) (3,975m-4,015m)
- Refahiye-Kuruçay-İliç Highway Arpayazı Tunnel (Erzincan) (4,615m - 4,615m)
- Refahiye -Kuruçay -İliç Highway Gümüşakar Tunnel (Erzincan) (1,580m -
- İmranlı-(Refahiye Suşehri) Kızıldağ Tunnel (Erzincan/Sivas) (6,471m + 6.410m)
- Sakaltutan Tunnel (Erzincan) (8785m -8775m)
- Ahmediye Tunnel (Erzincan) (6,315m -6,315m)
- Zara-Geminbeli -Suşehri Highway Bozkır Tunnel (Sivas) (2,545m - 2,545m)
- Şebinkarahisar Ring Road T1 Tunnel (Giresun) (4.440m - 4.440m)
- Palandoken Tunnel (Erzurum) (12,140 -12.155ml
- Karasu Tunnel (Sakarya) (18m 7,575m)
- Seferihisar Kuşadası Highway T1 Tunnel (İzmir) (1,349m - 1,360m)
- Seferihisar Kuşadası Highway T2 Tunnel (İzmir) (1,616m - 1,651m)
- Seferihisar Kuşadası Highway T4 Tunnel (İzmir) (2,830m - 2,840m)
- Seferihisar Kuşadası Highway T6 Tunnel (İzmir) (1,225m - 1,245m)
- Seferihisar Kuşadası Highway T7 Tunnel (İzmir) (798m - 796m)
- Ankara İzmir Highway T1 Tunnel (Manisa) (3,830m - 3,830m)

- Ankara İzmir Highway T2 Tunnel (Manisa) (3,245m - 3,275m)
- Ankara İzmir Highway T3 Tunnel (Manisa) (1,745m - 1,690m)
- Ankara İzmir Highway T4 Tunnel (Manisa) (2,850m - 2,850m)
- Ankara İzmir Highway T5 Tunnel (Manisa) (4,610m - 4,610m)
- Ankara İzmir Highway T6 Tunnel (Manisa) (3,860m - 3,860m)
- Zonguldak Ring Road T3 Tunnel (Zonguldak) (1,625.8m - 1,367.8m)
- Zonguldak Ring Road T4 Tunnel (Zonguldak) (1,613m - 1,588m)
- Karabük Ring Road T1 Tunnel (Karabük) (8,534.59m - 8,525.4m)
- Karabük Ring Road T2 Tunnel (Karabük) (3,286m 3,290m)
- Karabük Ring Road T3 Tunnel (Karabük) (229.15m - 210.4m)
- Refahiye Kuruçay İliç Devlet Road Sünebeli Tunnel (Erzincan) (5,217.5m 5.230.5ml

Highway Tunnels - Single Tube

- (Borçka Artvin) Ayr.murgul (Dokap) Province Road (Artvin) (1,131m)
- Hopa Borçka Devlet Road (Artvin) (538m
 597m)
- Seferhisar Kuşadası Devlet Road T4 Tunnel (İzmir) (455m)
- Seferhisar Kuşadası Devlet Road T5 Tunnel (İzmir) (690m)
- (Düzce-Akçakoca) Yığılca Tunnel (Düzce) [292m]
- Tarsus-Pozantı Devlet Road Tunnel (Mersin) (1,420m)
- Tomarza-Tufanbeyli (Göksun-Sarız) Dist.
 Road Tunnel (Kayseri) (5,955m)
- Aydıncık-Ermir-Sorgun Province Road Aydıncık Tunnel (Yozgat) (2,850m)
- Fatsa Çatalpınar T1 Tunnel (Ordu) (2,373.7m)
- Palu-Beyhan-Gökdere Province Road T1 Tunnel (Elazığ) (1,890m)
- Mardin-Midyat-Savur Province Road T1 Tunnel (Mardin) (440m)
- Mardin-Midyat-Savur Province Road T2 Tunnel (Mardin) (198m)
- Mardin-Midyat-Savur Province Road T3 Tunnel (Mardin) (290m)
- Eruh-Finfik-Bağgöze Province Road T1 Tunnel (Siirt) (2,190m)
- Tonya-(Tirebolu-Torul) Province Road T1 Tunnel (Trabzon/Gümüşhane) (333m)
- Tonya-(Tirebolu-Torul) Province Road T2 Tunnel (Trabzon/Gümüşhane) (2,260m)
- (Borçka Artvin) Ayr.murgul (Dokap)
 Province Road (Artvin) (1,131m)
- Hopa Borçka Devlet Road (Artvin) (538m 597m)
- Seferhisar Kuşadası Devlet Road T4 Tunnel (İzmir) (455m)



- Seferhisar Kuşadası Devlet Road T5 Tunnel (İzmir) (690m)
- (Düzce-Akçakoca) Yığılca Tunnel (Düzce) (292m)
- Tarsus-Pozantı Devlet Road Tunnel (Mersin) (1,420m)
- Tomarza-Tufanbeyli (Göksun-Sarız) Dist. Road Tunnel (Kayseri) (5,955m)
- Aydıncık-Ermir-Sorgun Province Road Aydıncık Tunnel (Yozgat) (2,850m)
- Fatsa Çatalpınar T1 Tunnel (Ordu) (2,373.7m)
- Palu-Beyhan-Gökdere Province Road T1 Tunnel (Elazığ) (1,890m)
- Mardin-Midyat-Savur Province Road T1 Tunnel (Mardin) (440m)
- Mardin-Midyat-Savur Province Road T2 Tunnel (Mardin) (198m)
- Mardin-Midyat-Savur Province Road T3 Tunnel (Mardin) (290m)
- Eruh-Finfik-Bağgöze Province Road T1 Tunnel (Siirt) (2,190m)
- Tonya-(Tirebolu-Torul) Province Road T1 Tunnel (Trabzon/Gümüşhane) (333m)
- Tonya-(Tirebolu-Torul) Province Road T2 Tunnel (Trabzon/Gümüşhane) (2,260m)
- Tonya-(Tirebolu-Torul) Province Road T3 Tunnel (Trabzon/Gümüşhane) (493m)
- Tonya-(Tirebolu-Torul) Province Road T4 Tunnel (Trabzon/Gümüşhane) (3,640m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T1 Tunnel (Trabzon) (184.65m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T3 Tunnel (Trabzon) (98.88m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T4 Tunnel (Trabzon) (718.82m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T5 Tunnel (Trabzon) (915.84m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T6 Tunnel (Trabzon) (1,276.65m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T7 Tunnel (Trabzon) (597m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads

- 1.Part T8 Tunnel (Trabzon) (82.08m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T9 Tunnel (Trabzon) (194m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T10 Tunnel (Trabzon) (232m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T11 Tunnel (Trabzon) (296.4m)
- Ya lıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T12 Tunnel (Trabzon) (1086m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T14 Tunnel (Trabzon) (164.3m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T15 Tunnel (Trabzon) (283.3m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T16 Tunnel (Trabzon) (248.24m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads 1.Part T17 Tunnel (Trabzon) (749.75m)
- Yağlıdere-(Şebinkarahisar-Alucra) Roads
 1.Part T18 Tunnel (Trabzon) (157.75m)
- (Borçka-Artvin) -murgul (Dokap) Province Road Tunnel -4 (Artvin) (101m)
 (Dokap) Province
- (Borçka-Artvin) -murgul (Dokap) Province Road Tunnel -5 (Artvin) (232m)
- Bulancak-Kovancık Province Road 3. Part T1 Tunnel (Trabzon) (2,330m)
- (Muş -Solhan) Kızılağaç -9. Bl.Hd. Road T1 Tunnel (Muş) (797m)
- (Muş -Solhan) Kızılağaç -9. Bl.Hd. Road T2 Tunnel (Muş) (921m)
- Tortum -İspir Road Tunnel Crossing (Erzurum) (6,849m)
- Ankara İzmir Highway T7 Tunnel (Manisa) (2,810m - 2,833m)
- Ankara İzmir Highway T8 Tunnel (Manisa) (860m - 830m)
- Bodrum Ring Road T1 Tunnel (Muğla) (6,647m - 6,407m)
- Bodrum Ring Road T2 Tunnel (Muğla)
 (2,380m 2,440m)
- Bodrum Ring Road T3 Tunnel (Muğla) (695m - 695m)
- Bodrum Ring Road T4 Tunnel (Muğla) (1,390m - 1,390m)



- Akşehir Yalvaç Şarkikaraağaç Road Cankurtaran Tunnel (Konya) (4,373,6m -4,403,6m)
- Ankara İzmir Highway T1 Tunnel (Ankara) (3,465m - 3,465m)
- Ankara İzmir Highway T2 Tunnel (Ankara) (1,148m - 1,142m)
- Ankara İzmir Highway T3 Tunnel (Ankara) (1,076m - 1,064m)
- Ankara İzmir Highway T4 Tunnel (Ankara)
 (2,692m 2,666m)
- Eskişehir Seyitgazi Kırka 3. Bl. Hd. Road T1 Tunnel (Eskişehir) (640.5m -640.5m)
- Eskişehir Seyitgazi Kırka 3. Bl. Hd. Road T2 Tunnel (Eskişehir) (620m - 620m)
- Eskişehir Seyitgazi Kırka 3. Bl. Hd. Road T3 Tunnel (Eskişehir) (1,924m -1,924m)
- Nallihan -mudurnu Road T-2 (Hodan) Tunnel (Ankara) (4,371m - 4,366m)
- Nallıhan -mudurnu Road T-5 Tunnel (Ankara) (969.4m 949.6m)
- Nallıhan -mudurnu Road T-6 (Tavşansuyu) Tunnel (Ankara) (305m -390m)
- Nallihan -mudurnu Road T-7 (Dokurcun)
 Tunnel (Ankara) (2,844.9m 2,809.3m)
- Erdemli Silifke -Taşucu T4 Tunnel (Mersin) (300m - 288m)
- Erdemli Silifke -Taşucu Limankalesi Tunnel (Mersin) (850m - 850m)
- (Mersin Tarsus Highway) D400 Bağcılar Tunnel (Mersin) (135m - 110m)
- Mardin Ring Road T2 Tunnel (Mardin) (426m - 358m)
- Mardin Ring Road T3 Tunnel (Mardin) (1,961m - 1,881m)
- Diyarbakır -Silvan Bingöl road T1 Tunnel (Diyarbakır) (1,662m - 1,667m)

- Rize İspir (Dap) (Dokap) Road İkizdere -2 Tunnel (Rize) (1,218m - 1,229m)
- Giresun Ring Road T1 Tunnel (Trabzon) (683.23m 646.25m)
- Giresun Ring Road T2 Tunnel (Trabzon) (4,150m - 4,162m)
- Giresun Ring Road T4 Tunnel (Trabzon) (1,761m 1,761m)
- Giresun Ring Road T5 Tunnel (Trabzon) (1,289m - 1,259m)
- Giresun Ring Road T6 Tunnel (Trabzon) (1,310m 1,310m)
- Giresun Ring Road T7 Tunnel (Trabzon) (1,672m - 1,672m)
- Giresun Ring Road T8 Tunnel (Trabzon) (2,415m - 2,425m)
- Giresun Ring Road T9 Tunnel (Trabzon) (1,108m - 1,115m)
- Giresun Ring Road T10 Tunnel (Trabzon) (125m - 90m)
- Fatsa Ring Road T1 Tunnel (Ordu) (4,080m
 4,100m)
- Fatsa Ring Road T2 Tunnel (Ordu) (1,240m
 1.275m)
- Fatsa Ring Road T3 Tunnel (Ordu) (1,055m
 1,040m)
- Fatsa Ring Road T4 Tunnel (Ordu) (195m -190m)
- Fatsa Ring Road T5 Tunnel (Ordu) (1,055m
 1,040m)
- Fatsa Ring Road T6 Tunnel (Ordu) (190m 190m)
- Fatsa Ring Road T7 Tunnel (Ordu) (595m 575m)
- Fatsa Ring Road T8 Tunnel (Ordu) (1,380m
 1.380m)
- (Van-Gürpınar) Güzelsu Devlet Road T1 Tunnel (Van) (298m - 358m)
- (Van-Gürpınar) Güzelsu Devlet Road T2 Tunnel (Van) (320m - 330m)

- Van-Tatvan Devlet Road Küçüksü (Koruklu) Tunnel (Van) (1,518m - 1,338m)
- Tortum Uzundere Devlet Yolu T-1 Tunnel (Erzurum) (1,619m - 1,619m)
- Tortum Uzundere Devlet Yolu T-2 Tunnel (Erzurum) (481m - 481m)
- Tortum Uzundere Devlet Yolu T-3 Tunnel (Erzurum) (366m 366m)
- Tortum Uzundere Devlet Yolu T-4 Tunnel (Erzurum) (189m 189m)
- Tortum Uzundere Devlet Yolu T-5 Tunnel (Erzurum) (309m - 309m)
- Tortum Uzundere Devlet Yolu T-6 Tunnel (Erzurum) (855m 855m)
- Tortum Uzundere Devlet Yolu T-7 Tunnel (Erzurum) (309m - 309m)
- Merzifon-Gürbulak Highway T1 Tunnel (Erzurum) (1,555m - 1,555m)
- Merzifon-Gürbulak Highway T2 Tunnel (Erzurum) (1,365m 1,340m)
- Tercan Aşkale Road T1 Tunnel (Erzurum) (3,166m - 3,184m)
- Tercan Aşkale Road T2 Tunnel (Erzurum) (437m - 402m)
- Tercan Aşkale Road T3 Tunnel (Erzurum) (970m - 992m)
- Tercan Aşkale Road T4 Tunnel (Erzurum) (4,717m - 4,679m)
- Palandöken Tunnel (Erzurum) (12,103m -12,109m)
- (Yenilehir-Bilecik)-(Bozüyük -Osmaneli)
 Province Road T1 Tunnel (Bursa) (1,627m
 1 585m)
- (Yenilehir-Bilecik)-(Bozüyük -Osmaneli)
 Province Road T2 Tunnel (Bursa) (911m 930.4m)
- (Ankara-İzmir) Bursa Highway Tunnel (Bursa) (7,300m 7,510m)
- Zonguldak Ring Road T1 Tunnel (Zonguldak) (1,369m - 1,392m)
- Zonguldak Ring Road T2 Tunnel (Zonguldak) (4,884m - 4,969m)

Subway Lines - Double Tube

- Halkali New Airport Subway Line Construction Extension (Istanbul) (26,391.5m + 27,237.5m)
- Kirazli-Halkali Subway Extension (Istanbul) (5,960m + 5,940m)
- Halkali New Airport Subway Line Construction Extension (Istanbul) (4,120m + 3,826m)
- Kirazli-Halkali Subway Extension (Istanbul) (1,134m + 1,121m)

Subway Lines - Single Tube

- Sefakoy Beylikduzu Tuyap Subway Line (Istanbul) (19,000m)
- Haciosman Sariyer Subway Line (Istanbul) (6,000m)
- Sultanbeyli Kurtkoy Subway Line (Istanbul) (5,400m)
- Hastane Sarıgazi Çekmeköy -Taşdelen

- -Yenidoğan Subway Line (Istanbul) (6.900m)
- Eyup Bayrampasa Streetcar Line (Istanbul) (3,200m)
- Uskudar Harem Streetcar Line (Istanbul) (2.200m)

Highway Tunnels - Railway Tunnels

- Burdur Antalya Railway Projects (5.5870m)
- ITU Istinye Funicular Railway (3000m)
- Erzurum Kars Railway Projects (10,800m)
- Erzincan Erzurum Railway Projects (57.145m)
- Şanlıurfa –mardin Railway Projects (850m) (Mardin)
- Siirt Kurtalan Railway Projects (16,620m) (Siirt)
- 3. Airportmüselles Çatalca Railway Projects (7,385m) (İstanbul)
- Malatya Elazığ Railway Projects (41,750m)
- Elazığ Diyarbakır Railway Projects (43,335m)
- Eskişehir Afyon Railways Projects (15.560m)
- Afyon Burdur Railways Projects (23.940m)
- Merzifon Samsun Railways Projects (50,611m) (Amasya Samsun)

- Aksaray Kayseri Railways Projects (13.460m)
- Gaziantep Şanlıurfa Railways (2,110m)
- Adiyaman Golbasi Railway Project (34,110m)
- Nusaybin Cizre Silopi Habur Railways Projects (Mardin – Sirnak) (9.390m)
- Toprakkale Bahçe BT04 / KT01 KT06 Railways Project (Osmaniye) (4,891m)

STATISTICS

- 1. Length or volume excavated % mechanized / % conventional during 2020:
 - Length 153,104m (Mechanized 26,84%, Conventional 73,16%) Volume 123,078,713m³ - (Mechanized 22.84%, Conventional 77.16%)
- 2. Amount (USD or EUR) of tunnelling / underground space facilities awarded in 2020: 2,538,048,024 USD

EDUCATION ON TUNNELLING IN THE COUNTRY

Afyon Kocatepe University
Aksaray University
Bilecik Seyh Edebali University
Bingol University
Bursa Technical University
Canakkale Onsekiz Mart University
Dicle University
Dokuz Eylul University
Duzce University
Erzincan Binali Yildirim University
Giresun University
Istanbul University - Cerrahpasa

Istanbul Technical University

Karabuk University
Konya Technical University
Kutahya Dumlupınar University
Middle East Technical University
Mugla Sıtkı Koçman University
On Dokuz Mayis University
Recep Tayyip Erdogan University
Sivas Cumhuriyet University
Sirnak University
Toros University

Zonguldak Bulent Ecevit University

Yalova University