

Türkiye



Name: Turkish Road Association

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

Number of Members: 538 members of which 471 are individuals and 67 are corporate members that represent Universities, Consultants, Contractors, Manufacturers, and other Governmental Organizations.

ASSOCIATION ACTIVITIES DURING 2022 AND TO DATE

A doctoral thesis, a master's thesis, and three papers/articles on Highway Engineering and Transportation were given awards in 2022, under the conditions specified in the "TRA AWARD REGULATION". In 2022, the "2nd Concrete Roads Congress and Exhibition" was organised by the Turkish General Directorate of Highways (KGM), Turkish Cement Manufacturers' Association (TÜRKÇEMENTO), and The Turkish Road Association (TRA), with technical support from EUPAVE (European Concrete Paving Association), under the auspices of the Ministry of Transport and Infrastructure of Turkey. In addition, the 32nd Ordinary General Assembly of TRA was held with the participation of the General Manager of Highways and President of TRA, Mr. Abdulkadir URALOĞLU.

CURRENT TUNNELLING ACTIVITIES

As of 2022, there are 471 tunnels on intercity highways in Turkey with a total length of 665km. The longest tunnel on State Roads is the Ovit Tunnel, with a length of 14,000m. It is Turkey's 1st, Europe's 2nd, and the world's 4th longest double-tube tunnel. The widest tunnel with an opening of 21.9m is located along the Kuzey Marmara Motorway which has a total of eight (2x4) lanes. In

2022, construction works continued on 106 tunnels located on Turkey's intercity highways. These tunnels have a combined length of 471.81km. Here is a summary of some of the major tunnels located on Turkey's major roads:

Highway tunnels on the Antalya-Mersin Highway: There are 33 tunnels with a combined length of 51,190m on the 440km long highway. Twenty out of the above-mentioned 33 tunnels have been completed, amounting to a total length of 15,935m. The remaining 12 tunnels with a combined length of 35,005m are under construction and the remaining one tunnel will be tendered.

There are 12 tunnels under construction on the Western Black Sea Coastal Road (İstanbul – Sinop Road). These tunnels have a combined length of 22,999m.

Four out of the nine tunnels (T1/B – T 3 – T 5 – T 6) located along a mountainous area of the 149km long Karaman-Mut-Silifke Highway have been completed however electromechanic works are still on work. These four tunnels have a combined length of 2,589m.

30 tunnels with a total length of 31,207m have been designed along the Konya-Hadim-Alanya route. Thirteen of the 30 tunnels with a combined length of 9,524m have been completed. Currently, there are ongoing works on three tunnels, namely, Karapınar (1 x 697m), Kaplanhanı 3 (1 x

665m) and Kaplanhanı 2 (1 x 363m).

Karst voids measuring 400m² were encountered during the excavation works of the 7,360m long double tube Alacabel Tunnel. This particular route connects the Central Anatolian region to the Mediterranean region. The route along which the Alacabel Tunnel is built lies on the Konya-Seydişehir-Manavgat axis, this tunnel passes through the route at an elevation of 1,525m, boasting an excavation completion rate of 95.46%. Additionally, 57.98% of the concrete lining works have been completed.

The 5,000m long Demirkapı tunnel is located at an elevation of 835m along the Konya-Beyşehir-Serik-Antalya route. This particular route connects Central Anatolia to the Mediterranean Region. The excavation works and concrete works have been completed on the Demirkapı Tunnel.

There are 13 tunnels (36,509m) along the 238km long Rize-Erzurum route which connects the Eastern Black Sea Region to Eastern Anatolia. Nine of these 13 tunnels with a combined length of 21,849m have been completed, while the works on four of the tunnels is still ongoing work.

The 2 x 4,700m long double tube Çirışlı Tunnel is under construction on the Erzurum-Çat-Bingöl Highway. This tunnel is expected to be completed in 2023. To reduce the risks and costs associated with the threat of avalanches on the current route, a new road will be used to ensure traffic safety and reduce maintenance costs.

There are six tunnels with a combined length of 5,952m located along the Esenköy Pass which is a part of the Yalova-Çınarcık-Armutlu Highway. Excavation support works have been completed on the T1 (1 x 2,053m) tunnel where concrete lining works are ongoing. Excavation support works have been completed for the T2 (1 x 1,579m) tunnel. There are ongoing excavation support works on the T3 (1 x 862m), T4 (1 x 693m)



Zigana Tunnel Exit

and T5 (1 x 294m) tunnels. The exit portal works have sustained on the T6 (1 x 471m) tunnel.

Nine tunnels with a combined length of 28,122m have been designed along the 173km long route that connects the Eastern Black Sea Region to Eastern Anatolia (Refahiye - Kuruçay - İliç - Kemaliye - Dutluca Road). There are ongoing works on seven of these tunnels, namely, (Sünebeli 2 x 5,220m), Yakaköy T 1 (1,650m), T 2 Kemaliye (3,170m), Toybelen (1,539m), Kozlupınar (3,324m), Vali Recep Yazıcıoğlu (4,315m) and Dutluca (2,735m). The remaining two tunnels (Arpayazı 2 x 4,615m, Gümüşakar 2 x 1,583m) will be tendered.

Construction works have been completed on 32 of the 36 tunnels located along the 278km long Trabzon-Aşkale highway which connects the Central Black Sea Region to Inner and Eastern Anatolia. The combined length of these 32 tunnels is 29,805m. The remaining four tunnels, namely, Zigana, Vauk 1 & 2, and Kop with a combined length of 28.411 m are under construction.

The 8,560m (2 x 4,280m) long Geminbeli Tunnel which lies along the Zara-Geminbeli-Suşehri Road has undergone 8,278m of excavation and support works, along with 5,585m of concrete lining works.

There are six double tube tunnels with a combined length of 9,492m on the

first section of the Ordu Ring Road. The length of both sections is 21.4km. The double tube tunnels named Boztepe (2 x 3,311m) and Öceli (2 x 2,019m) have been sustained. In regards to the other tunnels included in the scope of this Ordu Ring Road 2. Section, excavation works have been completed on the Terzili Tunnel (2 x 1,180m) with concrete lining works ongoing. Excavation works have started on tunnels Akçatepe -1 (2 x 440m) and Akçatepe -2 (2 x 1,740m) whereas the Turnasuyu Tunnel (2 x 802m) is still being designed.

The Halkalı - Ispartakule double tube tunnel (2 x 6,180m) is being constructed via a TBM as a part of the Halkalı - Kapıkule (İstanbul) Railroad Project.

Within the scope of the Gayrettepe-Kağıthane new airport subway line, TBM construction works have been completed at a section measuring 2 x 34,140m and it is planned to be put into service at the end of 2023.

The Başakşehir - Kayaşehir Subway Line is 6,187m long with an estimated travel time of 19 minutes through eight stations. A double-decker tube is being constructed via a TBM and it is planned to be put into service at the end of 2023.

The Istanbul Bakırköy - Bahçelievler - Kirazlı Subway Line will be 13,111m long. The journey will take 13.5 minutes from Bakırköy to Kirazlı. The line contains eight double-deck stations which have been

constructed by TBM.

There are TBM Tunnel construction works between the Bakırköy - Incirli stations. Excavation works have been completed on the 2 x 1,035m section using the NATM method. Construction works are being carried out via the TBM method on the 2 x 6,500m section.

Tunnel construction works are being carried out on the Kocaeli, Gebze - Darıca Coastal Metro line. The TBM method is being used on the 3,398m section of the left tube and the 3,376m section of the right tube. Whereas the NATM method is being used on the 10,721m section of the right tube and the 10,698m section of the left tube.

Within the scope of the Southeastern Anatolia Project, the Babakaya and Silvan Tunnels are being built to transport water from the Silvan Dam which is under construction. The Babakaya Tunnel is 5,278m long, with a 7m inner diameter and two tubes. This tunnel will transport the water from the dam into the Silvan Tunnel, which will carry 212m³ of water per second. It is being 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 long main canal through the Silvan and Babakaya

Tunnels - 35% of the Project has been completed and it is expected to be finished within the next two years.

FUTURE TUNNELLING ACTIVITIES

Subway Lines

- Üsküdar-Harem Line (İstanbul) (2,200m)
- Eyüp-Bayrampaşa Line (İstanbul) (3,200m)
- Sefaköy- Beylikdüzü-Tüyap Line (İstanbul) (19,050m)
- İTÜ-İstinye Funicular Line (İstanbul) (2,650m)
- Esenyurt Sadetdere Line (İstanbul) (4,600m)
- Sabiha Gökçen Airline-Kurtköy Line (İstanbul) (6,000m)
- Yenikapı-İncirli-Sefaköy Line (İstanbul) (14,620m)
- İncirli Gayrettepe-Söğütluçeşme Line (İstanbul) (31,000m)

Highway

- Sahilyolu Tunnel (Trabzon) (1.865m – 1.865m)

- Trabzon Province Crossing Government Road T 2 (Trabzon) (159.50m – 279.90m)
- Trabzon Province Crossing Government Road Gölçayır T 2 (Trabzon) (762.41m – 726.80m)
- Sivas North Ring Road (Sivas) (1,245m – 1,245m)
- Turnasuyu Tunnel (Ordu) (802m – 802m)
- Borçka - Artvin Province Road T 2 - 3 Tunnel (Artvin) (1,080m)
- Zara – Beypınarı T 1 – 2 Tunnel (Sivas) (2,800m)

Railway Tunnels

- Erzurum – Kars Railway Project (Erzurum – Kars) (41,080m)
- Erzincan – Erzurum Railway Project (Erzincan - Erzurum) (54,520m)
- Siirt – Kurtalan Railway Project (Siirt) (16,380m)
- Malatya – Elazığ Railway Project

- (Malatya – Elazığ) (28,450m)
- Elazığ – Diyarbakır Railway Project (Elazığ – Diyarbakır) (43,335m)
- Aksaray – Kayseri Railway Project (Aksaray – Kayseri) (11,000m)
- Afyon – Burdur Railway Project (Afyon – Burdur) (23,940m)
- Gaziantep – Şanlıurfa Railway Project (Gaziantep – Şanlıurfa) (2,090m)
- Adıyaman – Gölbaşı Railway Project (Adıyaman) (28,440m)
- Malatya – Narlı Railway Project (Malatya) (24,182m)

Irrigation Tunnels

- Bilecik Osmaneli Göynük Dam Irrigation Tunnel (Bilecik) (872m)
- Eğirdir Tepeli Pond (Isparta) (406m)
- Köyünü Pond Derivation Tunnel (Afyonkarahisar) (1,349m)

STATISTICS

1. Length or volume excavated - % mechanized/% conventional during 2022

Total Excavation			
Length (m)		Length (m)	
137,000m		11.654,923m	
Mechanized (%)	Conventional (%)	Mechanized (%)	Conventional (%)
0	100	0	100

2. Amount (USD or EUR) of tunnelling/underground space facilities awarded in 2022

€429.104.976,70

3. List of tunnels under construction

Subway Lines

- Halkalı New Airport (İstanbul) (28,132m – 27,611m)
- Gayrettepe – Kağıthane New Airport (İstanbul) (34,140m – 34,140m)
- Gayrettepe – Kağıthane New Airport (İstanbul) (3,507m – 3,507m)
- Sabiha Gökçen Railway System (İstanbul) (7,309m – 7,227m)
- Sabiha Gökçen Railway System (İstanbul) (810m – 380m)
- Bakırköy-Bahçelievler-Kirazlı (İstanbul) (6,523m- 6,588m)
- Bakırköy-Bahçelievler-Kirazlı (İstanbul) (1,034m – 1,029m)
- Başakşehir – Kayaşehir Subway Line (İstanbul) (1,600m – 1,645m)
- Başakşehir – Kayaşehir Subway Line (İstanbul) (3,134m – 3,053m)
- Başakşehir – Kayaşehir Subway Line (İstanbul) (486m)
- AKM – Kizilay Subway Line (Ankara) (2,928m + 3,203m)
- AKM – Kizilay Subway Line (Ankara) (39m + 419m)
- Gebze Darıca Beach Line (Kocaeli) (14,119m – 14,074m)

Highway Tunnels

- Kırık Tunnel Highway (Erzurum) (7,091m – 7,091m)
- Eğribel Tunnel Highway (Giresun) (5,905m – 5,905m)

- Salarha Tunnel Highway (Rize) (2,945m – 2,945m)
- Şile - Ağva Yolu Construction Work T 1 – T 2 (İstanbul) (750m – 766m)
- Şile - Ağva Yolu Construction Work T 1 – T 2 (Kocaeli) (2,338m – 2,338m)
- Karaman 5. Region Government Road Sertavul Tunnel (Karaman) (3,308m – 3,292m)
- Seydişehir-13 Government Road Alacabel Tunnel (Antalya – Konya) (7,355m – 7,361m)
- Mersin-Tarsus Highway Bağcılar Tunnel (Mersin) (328m – 364m)
- Erdemli-Silifke Taşucu Limankale Tunnel (Mersin) (851m – 851m)
- Erdemli - Silifke - Taşucu Tunnel T 1 – 8 (Mersin) (14,693m – 14,550m)
- Silifke - Mut T 1 – T 6 Tunnel (Mersin) (10,590m – 10,588m)
- Ordu Ring Road Terzili tunnel (Ordu) (1,180m – 1,180m)
- Ordu Ring Road Akçatepe Tunnel T 1 – 2 (Ordu) (2,180m – 2,180m)
- Çorum Laçın Province Road T 1 – 3 (Çorum) (4,182.50m – 4,016.80m)
- Hopa – Borçka Government Road T – 1 (Artvin) (597m – 538m)
- Değirmendere Tunnel (Trabzon) (1,961.50m – 1,977.40m)
- Trabzon Province Crossed Government Road Bahçecik Tunnel (Trabzon) (540.47m – 529.03m)
- Trabzon Province Crossed Government Road Boztepe Tunnel (Trabzon) (700.23m – 647.08m)
- Trabzon Province Government Road Çukurçayır Tunnel (336.06m – 341.59m)
- Trabzon Province Crossed Government Road Gölçayır 1 Tunnel (Trabzon) (451.25m – 422.15m)
- Trabzon – Aşkale Road Zigana Tunnel (Trabzon – Gümüşhane) (14,477m – 14,448m trabzın)
- Of – Çaykara Road T 4 – 6 Tunnel (Trabzon) (2,750m – 2,577m)
- Gümüşhane – Bayburt Kelkit Şiran Road Pekün Tunnel (Gümüşhane) (6,350m – 6,350m)

STATISTICS continued

- Gümüşhane – Bayburt Kelkit Şiran Road YeniköyTunnel (Gümüşhane) (620m – 560m)
- Gümüşhane – Bayburt Kelkit Şiran Road Pirahmet Tunnel (Gümüşhane) (400m – 480m)
- Trabzon – Aşkale (DAP) Vauk Tunnel T 1 – 2 (Bayburt) (7,489m – 7,470m)
- Yeniköprü – Yüksekova T 1 – 2 Tunnel (Hakkari) (8,529m – 8,531m)
- Tatvan Ring Road T 1 – 2 Tunnel (Bitlis) (2,582m – 2,431m)
- Van (Hakkari – Yüksekova) Güzeldere Tunnel (Van) (3,150m – 3,150m)
- Çukurca – Dağlıca Road T 1 – 2 Tunnel (Hakkari) (3,523m – 4,235m)
- KOP Mountain Tunnel Pass (Erzurum – Bayburt) (6,526m – 6,533m)
- Dallıkavak Tunnel (Erzurum) (3,105m – 3,105m)
- Çirişli Tunnel (Erzurum) (4,750m – 4,750m)
- Kırık Tunnel (Erzurum) (7,080.40m – 7,101.80m)
- Korkuteli – Çavdar – Fethiye Govrnment Road Karabel Tunnel (Muğla) (3,343m – 3,383m)
- Gazipaşa 5. Region Border Road Gökçebelen Tunnel (Antalya) (11,088m – 11,000m)
- (Antalya - Manavgat) – (Taşağıl – İbradı) Demirkapı Tunnel (Antalya) (5,000m – 5,000m)
- Alanya – Gazipaşa Road Oba Tunnel (Antalya) (668m – 668m)
- Bartın – Kurucuşile – Cide Road T 4 – 5 (Bartın) (7,677m – 7,717m)
- Kastamonu – Çankırı Road (Kastamonu) (5,333m – 5,321m)
- Kastamonu – İnebolu Road T 1 – 5 (Kastamonu) (18,107m – 18,008m)
- Çaycuma – Bartın – Hisarönü Zonguldak T 1 (Zonguldak) (2,660m – 2,660m)
- Çaycuma – Bartın – Hisarönü Zonguldak T 2 (Zonguldak) (360m – 360m)
- Çaycuma – Bartın – Hisarönü Zonguldak T 3 - 7 (Zonguldak) (9,569m – 9,520m)
- Zara -Geminbeli-Suşehri Government Road Geminbeli Tunnel (Sivas) (4,283m – 4,283m)
- Sivas – Kovalı Kangal Government Road Yağdonduran Taunnel (Sivas) (1,567m – 1,567m)
- Refahiye – Kuruçay – İliç Province Road Sünebeli Tunnel (Erzincan) (5,220m – 5,220m)
- Refahiye – Kuruçay – İliç Province Road Gümüşakar Tunnel (Erzincan) (1,580m – 1,580m)
- Çamlıbel Tunnel and Connected Roads (Tokat - Sivas) (4,705m – 4,705m)
- Silvan-Malabadi-Haydarköprü (Demirışık (Open / Close) (Siirt) (396m – 396m)
- Refahiye – Kuruçay -İliç Government Road Arpayazı Tunnel (Erzincan) (4,615m – 4,615m)
- İmranlı (Refahiye – Suşehri) Government Road Kızıldağ Tunnel (Erzincan – Sivas) (6,440m – 6,440m)
- Sakaltutan Tunnel (Erzincan) (8,780m – 8,780m)
- Ahmediye Tunnel (Erzincan) (6,315m – 6,315m)
- Zara – Geminbeli – Suşehri Government Road Bozkır Tunnel (Sivas) (2,545m – 2,545m)
- Şebinkarahisar Province Pass T 1 – (Giresun) (4,440m – 4,440m)
- Posof – Türkgözü Road Ilgar Tunnel (Ardahan) (4,810m – 4,972m)
- Çıldır Aktaş Road Aşık Şenlik Tunnel (Ardahan) (2,304m – 2,312m)
- Pirinkayalar Tunnel (Erzurum) (2,252m)
- Gelibolu-Eceabat Constructon Work T 4 – T 5 (Çanakkale) (3,061m)
- Adana-Kozan T 1 - 2 (Adana) (855m)
- Kiğı – Yedisu Road T 1 – 11 (Bingöl) (7,314m)
- Eruh - Fındık Road T1 Tunnel (Siirt) (4,119m)
- Şırnak - (Pervarı-Narlı) Road T1 Tunnel (Şırnak) (2,845m)
- Şırnak – Ortabağ Çığlı Road 2 (Şırnak) (1,965m)
- Borçka – Artvin T-1 – T 4 (Artvin) (418m)
- Of – Çaykara Road T 3 Tunnel (Trabzon) (665m)
- Yağlıdere – (Şebinkarahisar – Alucra) T 1 – 4 (Giresun) (1,180.53m)
- Şemdinli – Alan Province Road Alan Tunnel (Hakkari) (550m)
- Dağlıca – Oramar Hill Aktütün Tunnel (Hakkari) (5,700m)
- Olur – Ardanuç Tunnel (Erzurum) (3,490m)
- (Alanya – Gazipaşa) – (Taşkent – Başyayla) Kaplanhanı Tunnel 2 – 3 (Antalya) (968.20m)
- (Alanya – Gazipaşa) – (Taşkent – Başyayla) Karapınar Tunnel (Antalya) (697.32m)
- Gemlik – Armutlu – Çınarcık – Yalova Road T 1 – 5 Tunnel (Yalova) (5,465m)
- Bursa – Keleş Orhaneli Province Road Doğançı Tunnel (Bursa) (1,998.80m)
- Kemaliye – Dutluca 8. Region Board Government Road T 1 Yakaköy Tunnel (Erzincan) (1,650m)
- Kemaliye – Dutluca 8. Region Board Government Road T 2 Kemaliye Tunnel (Erzincan) (3,170m)
- Kemaliye – Dutluca 8. Region Board Government Road T 3 Toybelen Tunnel (Erzincan) (1,510m)
- Kemaliye – Dutluca 8. Region Board Government Road T 4 Kozlupınar Tunnel (Erzincan) (3,324m)
- Kemaliye – Dutluca 8. Region Board Government Road T 6 Vali R. Yazıcıoğlu Tunnel (Erzincan) (4,315m)
- Kemaliye – Dutluca 8. Region Board Government Road T 7 Dutluca Tunnel (Erzincan) (2,735m)
- Keban – Arapgir – Divriği 8. Region Board Government Road Sarıçiçek T 1 – 2 (Sivas) (2,931m)
- (Akıncılar – Refahiye) Gölova 10. Region Board Province Road T 1 – 2 (Giresun – Sivas) (992m)
- Üçdam 8. Region Board Province Road T 1 (Tunceli) (3,841m)
- Sincan T 1 Tunnel (Sivas – Erzincan) (3,715m)
- Erzincan – Kemah – İliç Province Road T 1 – 3 Tunnel (Erzincan) (5,656m)
- Şebinkarahisar 10. Region Board Government Road Şaplıca Tunnel (Giresun) (1,613m)
- Erzincan Alpköy Province Road T 1 – 6 (Erzincan) (5,305m)

Irrigation Tunnels

- Silvan Project 1. – 2. Part (Diyarbakır) (15,488.10m – 15,488.10m)
- Eskişehir Irrigation Tunnel (Eskişehir) (885m)
- Afşar Bağbaşı Hadimi Tunnel (Konya) (18,136m)
- Bolu Seben Taşlıyayla Pond (Bolu) (1,155m)
- Kırıkkale Kesikköprü Köprüköy (Kırıkkale) (1,922.50m)
- Reyhanlı Dam T 1 – 2 (Hatay) (3,408m)
- Aşağı Çekerek Project Ponds Irrigation (Tokat) (1,563m)

STATISTICS continued

- Samsun Salı Bazaar (Samsun) (289.35m)
- Samsun 19 Mayıs Dam (Samsun) (470m)
- Geldingen Pond (Amasya) (311.10m)
- Erzurum Pasinler Söylemez Dam (Erzurum) (5,625m)
- Erzurum Pasinler Söylemez Dam T 1 (Erzurum) (2,848.99m)
- Erzurum Elmalı Tunnel (Erzurum) (9,000m)
- Ağrı Pond Derivation Tunnel (Ağrı) (3,889.90m)
- Erzurum – Hınıs Başköy Dam (Erzurum) (3,315.69m)
- Malatya Yoncalı İrrigation Tunnel (Malatya) (9,038.60m)
- Silvan Tunnel (Diyarbakır) (18,400m)
- Çemik Kale Project (Diyarbakır) (9,505m)
- Kalaba – Seyfe Irrigation Tunnel T 1 – 2 (Kayseri) (4,010m)
- Hilvan Siverek Project (Şanlıurfa) (14,400m)
- Eğirdir Çayköy Dam (Isparta) (372m)
- Atabey Akçay Dam (Isparta) (341m)
- Sinanpaşa Kayadibi Pond (Afyonkarahisar) (116m)
- Merkez Karakent Pond (Burdur) (555m)
- Çavdır Büyükalan Pond (Burdur) (269m)
- Koçali Irrigation (Adıyaman) (5,200m)
- Adıyaman Büyükçay Irrigation Tunnel (Adıyaman) (9,269.35m)
- Gömükan Dam and Balyan Tunnel (Adıyaman) (2,422m)
- Göksu Araban Project T 1 – 2 (Adıyaman) (8,480m)
- Adıyaman Çelikhan (Adıyaman) (801.90m)
- Gaziantep Araban Yavuzeli Tunnel (Gaziantep) (2,336m)
- Gökbel Dam Derivation Tunnel (Aydın) (425.73m)
- Tavas Nostar Pond (Denizli) (1,510m)
- Menteşe Pond (Muğla) (359.59m)

Potable Tunnels

- New Yusufeli District Potable Water Transmission Line Supply (Artvin) (1,605m)

Railway Tunnels

- 3. Bridge – Airport Halkalı Railway Project (İstanbul) (10,850m – 10,850m)
- Burdur – Antalya Railway (Burdur – Antalya) (27,935m – 27,935m)
- Bahçe -Nurdağ Electrification Work (Osmaniye -Gaziantep) (9,954m – 9,954m)
- Nurdağ – Başpınar Railway T 1 – 6 (Gaziantep) (17,220m – 17,249m)
- 3. Bridge – Airport Halkalı Railway (İstanbul) (16,200m)
- Çorum – Merzifon Railway (Çorum – Amasya) (19,035m)
- Delice – Kırşehir Railway (Kırşehir) (9,229m)
- Çetinkaya – Malatya Railway (Sivas – Malatya) (43,040m)
- Burdur – Antalya Railway (Burdur – Antalya) (36,570m)
- Eskişehir – Afyon Railway (Eskişehir – Afyon) (15,560m)
- Merzifon – Samsun Railway (Amasya – Samsun) (50,611m)
- Between Toprakkale – Bahçe Stations Tunnel Construction Work (Osmaniye) (13,467m)
- Ankara – İzmir H.T.P. High Speed Railway Bayat 1 – 2 (Afyonkarahisar) (1,240m)
- Nusaybin – Cizre – Silpi – Habur Railway (Mardin -Şırnak) (9,500m)
- Ankara – İzmir H.T.P. High Speed Railway T 6 – 7 – 8 (Afyonkarahisar) (5,160m)
- Bursa – Gölbaşı North High Speed Railway T 11 – 12 (Bursa) (7,436.50m)
- Bursa – Gölbaşı North High Speed Railway T 12 - GT 1 - 3

- (Bursa) (2,473.52m)
- Ankara – İzmir H.T.P. High Speed Railway T 4 – 9 (Afyonkarahisar) (4,317m)
- Kayaş – Kırıkkale Security Tunnel T 15 - GT 1 – 3 (Kırıkkale) (2,969.43m)
- Kayaş – Kırıkkale Security Tunnel T 7 - 8 (Afyonkarahisar) (5,051.53m)
- Ankara – İzmir High Speed Railway T 4 (Uşak) (2,365.45m)
- Ankara – İzmir High Speed Railway T 6 (Manisa) (1,910m)
- Ankara – İzmir High Speed Railway T 8 – 23 (Manisa) (12,459.47m)
- Ankara – İstanbul High Speed Railway GT 1 - 4 (Bilecik) (2,931.84m)
- Ankara – İstanbul High Speed Railway T 26 (Bilecik) (5,589.43m)
- Ankara – İstanbul High Speed Railway T 14 – GT 1 - 2 (268.50m)
- Ankara – İstanbul High Speed Railway T 15 – GT 1 - 2 (1,199.05m)
- Ankara – İstanbul High Speed Railway T 19 – GT 1 (817.30m)
- Ankara – İstanbul High Speed Railway T 24 – GT 1 (1,262.32m)
- Ankara – İstanbul High Speed Railway T 34 – GT 2 – 3 (786.67m)
- Ankara – İstanbul High Speed Railway T 35 – GT 1 – 3 (728.67m)
- Ankara – İstanbul High Speed Railway T 36 – GT 1 – 2 (1,566.92m)
- Sapanca – Geyve High Speed Railway T 1 – 2 (Sakarya) (7,552m)
- Sapanca – Geyve High Speed Railway GT 1 – 6 (Sakarya) (3,439.76m)
- Girme Dam (Muğla) (304m)
- Yukarı Esen Project (Muğla) (408.16m)
- Fethiye Eşen Irrigation Canal (Muğla) (8,077.81m)
- Obrucak Irrigation (Kastamonu) (1472m)
- Manyas Pond (Balıkesir) (2,847.40m)

Mining Tunnels

- The Omerler Underground Coal Mine (Kütahya) (Single Tube – 115m)

EDUCATION ON TUNNELLING IN THE COUNTRY

The Tunnelling courses in Türkiye are both graduate and undergraduate programs. These universities are: Adana Science and Technology University; Afyon Kocatepe University; Ataturk University; Baskent University; Bilecik Şeyh Edebali University; Bingöl University; Bulent Ecevit University; Çanakkale Onsekiz Mart University; Cankiri Karatekin University; Dicle University; Dokuz Eylül University; Duzce University; Eskisehir Technical University; Erzincan Binali Yıldırım University; Muğla Sıtkı Koçman University; Niğde Omer Halisdemir University; Nisantasi University; Pamukkale University; Recep Tayyip Erdogan University; Sivas Cumhuriyet University; Giresun University; Istanbul University – Cerrahpaşa; Karabuk University; at Dokuz Mayıs University; Middle East Technical University; Sivas Cumhuriyet University; Sırnak University; Toros University; Zonguldak Bulent Ecevit University.