

Client	Turkish Standards Institution
Work Period	12.04.2016 - 02.12.2016
Services	Preparation of the suggestion report and preliminary design services Final design services Application design services Details design services Preparation of the bidding documents Meeting and reporting services

Technical Details

Automotive Test Centre to be built within the borders of Bursa Province, Yenisehir District have the capacity and feature that meets national and international testing and certification needs of automotive sector and to realize all tests and examinations needed for full vehicle type approval. Under this scope, at first stage, construction of Brake Test Track will be held. Brake test track project, subject to this specification meet the requirements and expectations of the regulations related to United Nation Economic Commission for Europe and Global Technical Regulations, European Union Type Approval Regulations that concern Brake Test Track within the framework of the conventions Republic of Turkey.

Brake Test Track is 1450 meters long with speed-up distances 300-675-1050 meters, 100 m long safe stop area, 100 m long stable speed area. The width of the speed-up road is 12 meters.

Surface features and dimensions can be defined as follows:

- very high holding asphalt with friction coefficient 0.9, 140x4 m²
- high holding asphalt with fc 0.7, 140x4 m²
- medium holding coated concrete with fc 0.45, 220x7.5 m²
- low holding basalt coating with fc 0.20-0.25, 220x7.5 m²
- very low holding ceramic coating with fc 0.10-0.15, 300x7.5 m²

Design services include; preparation of test lists, determination of the vehicles to be used on the track, preparation of load calculation report, determination of characteristics of surface coating materials, determination of surface coating application details, determination of track superstructure features with surface coatings, determination of track infrastructure characteristics, electrical design, mechanical design, landscape design, infrastructural design, preparation of documents which are the basis of construction tender, meetings with the Employer, reporting and delivery services.

