

Transportation Infrastructure

Highway Design between Eskişehir - Sarıcakaya

Client General Directorate of Highways

Work Period 25.07.2008 - 04.10.2010

Services provided
Geodesy services
Highway design
Design of engineering structures
Feasibility and research studies
Traffic design
Preparation of final report

Technical Details

42 km long route between Eskişehir-Sarıcakaya consists of 1 bridge (77450 sqm) design. The project covers the following design disciplines:

- ∅ Geodesy works: Determination of check-points and approval of the Client, Assign of check-points and related measurements, calculations. Calculations for coordinate transformation and submittal of supervision reports to the Client, Land survey and to form digital geodesic model.
- ∅ Highway design: Design of geometrical components and preparation of the report, Hydraulic and hydra-geological surveys, Cross-section drawings, determination of retaining walls, cut-fill and bruckner calculations, Determination of intersections and connection ways, drawings of plan-profile and details, Drainage design and related drawings, Preparation of final report and quantity survey, Submittal of Final Design for the approval of the Client
- ∅ Engineering Structures: Preparation of preliminary and final design for bridges, flying-overs, underpasses, culverts, etc.
- ∅ Feasibility and research studies: Geological survey and report, Hydra-geological survey and report, Engineering geology survey and report, Geological-geotechnical research programme and applications, Geological-geotechnical survey and design report, Geotechnical design report, Superstructures survey and design report
- ∅ Traffic design: Traffic design report and quantity survey, submittal to the Client
- ∅ Final Report: Preparation of final report and submittal to the Client

