

## Transportation Infrastructure

Highway design between (Kırşehir-Savcılı) Junction - Saryahşi

**Client** General Directorate of Highways

**Work Period** 29.12.2004 - 10.07.2006

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

**Technical Details** 14 km long route between (Kırşehir-Savcılı) Junction and Saryahşi consists of 5602 sqm bridge 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

