

Transportation Infrastructure

Highway Design between Konya - Karapınar



Client General Directorate of Highways

Work Period 22.06.2011 - 30.09.2013

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

Technical Details

The project length is approx. 88 km between Konya-Karapınar and covers the following design disciplines:

○ **Geodesy works:** Determination of check-points and approval of the Client, Assign of check-points and related measurings, 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

○ **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

