## **Engineering Structures**

Design Services for B-5 Degirmendere Multi-level Interchange in Kocaeli



Client Kocaeli Metropolitan Munisipality

Work Period 18.12.2009 - 29.01.2010

**Services provided**Redesign and preparation of structural design reports for the overpass of "B-5 Değirmendere" Interchange in order to increase spans from 5 to 7

Classification and review of the existing designs

Preparation of final designs for the engineering structures

Hydraulic and hydrageological studies and preparation of drainage design

Preparation of lightning designs

To make the designs approved by KGM(General Directorate of Highways)

Preparation of Bill of Quantities, Cost Estimation and preparation of

procurement tender documents

**Technical Details** 

In scope of the project "Rehabilitation of Urban Transportation and Traffic Planning in Kocaeli Metropolitan Municipality", final design of "B5 Değirmendere" Interchange is revised by adding one span for each starting and end points of the overpass of "B-5 Degirmendere" Interchange in accordance with public works and cadastral plans, infrastructural data converning project site, previous final design, present geodesic maps, soil investigation reports. In this context, the structural design and calculation reports reagrding all engineering structures within the interchange are revised. As a result, the overpass of "B-5 Değirmendere" Interchange is upgraded to 7 spans from 5.



