

Client	Bursa Metropolitan Municipality
Work Period	18.06.2010 - 18.07.2010
Services provided	<p>Preparation of preliminary design alternatives and preliminary design report</p> <p>Preparation of application design</p> <p>Preparation of statement (design report)</p> <p>Preparation of bill of quantities and cost estimation</p>
Technical Details	<p>The project covers preparation of preliminary & application designs for the followings;</p> <ul style="list-style-type: none">- The bridge on "Ayvali" stream between "Yolcati" and "Dogankoy" settlements in "Nilufer" district shall be demolished and reconstructed hence the width of existing bridge is not sufficient for proper traffic-flow- The bridge on "Nilüfer" river between "BUTTIM" and "AKOM" in "Osmangazi" district shall be newly constructed- The bridge on "Delicay" stream between "Degirmenonu" and "Karaman" settlements in "Yildirim" district shall be newly constructed <p>Preliminary and application designs include;</p> <ul style="list-style-type: none">- Preliminary design alternatives, preliminary design report, assessment of alternatives- Presentation of appropriate solution (plan, profile and cross-section) approved by the client- Application design (layout plan and cross-sections of access roads, layout plan and application plan for the bridges, formwork & reinforcement plans for footing, pavement and elevations, bill of quantities for reinforcement, prestress & reinforcement details for prefabricated beams, pedestrian & vehicle railings, expansion joints, bearings, etc.- Statements (Design Reports) (static & seismic analysis, design calculations for footing, column, beam, end-pier)- Alteration plans which could be required until completion of construction works

