

MAJOR WORK DURING LAST TEN YEARS THAT BEST**ILLUSTRATES QUALIFICATIONS**

Project Name: Finite Element Analysis of 2 nd Tomei Expressway-Negata Viaduct		Country: Japan
Project location within Country: Gifu		Professional staff provided by your company: No. of Staff: 1 No. of Person-Months: 3
Name of Client: Dainichi Consultant Inc., Japan. Funded by: Japan Highway Public Corporation		
Start Date (Month/Year): Jan 2002	Completion Date (Month/Year): March 2003	Approximate Value of services: US\$ 50,000
Name of Associated Firm(s), if any: N/A		No. of Person-Months of professional staff provided by Associated Firm(s): N/A
Name of Senior Staff (Project Director, Team Leader) Involved and Functions Performed: Atiqur Raman, P.Eng, Structural Engineer		
Detailed Narrative Description of Project: This is a project of Japan Highway Public Corporation and a sub-consultancy from Dainichi Consultant Inc., Japan. The main objective of the project is to perform finite element (FE) modeling and analysis of the anchorage of the external prestressing cables and the critical girder-pier connections.		
Detailed Description of Actual Services Provided by Your Company: Engconsult was responsible for engineering evaluation of the finite element analysis result. Detailed design and reinforcement detailing of the anchorage and girder-pier connections using the stress contours and vector flow diagrams obtained from FEM analysis results. Analysis of the ultimate load carrying capacity of the superstructure and revise the reinforcement detailing to control the damage in case of major earthquake.		