

Period	Employing Organization Title/position Contact Information for References	Country	Summary of Activities Performed Relevant to the Assignment
December 1977 to November 1984	<p>Employer: Ministry of Roads and Road Traffic</p> <p>Position held: Highway Engineer Road and Bridge Design Engineer</p> <p>For references:</p> <p>Contact Person: Brian Warren</p> <p>Position: Chief Engineer</p> <p>Tel No.: +2634490085</p> <p>e-mail: brianwarren1@hotmail.com</p>	Zimbabwe	<p>Responsible for following aspects of road rehabilitation and new road projects in Zimbabwe:</p> <ul style="list-style-type: none"> • detailed design of geometrics on a number of national and rural roads; • capacity analysis; • detailed pavement design, including intrusive soils investigations, borrow pit identification, traffic analysis and pavement design analysis, and • compilation of design reports and project documentation, including specifications and bills of quantities

Membership in Professional Associations and Publications:

Chartered Civil Engineer (C.Eng) Member Institution of Civil Engineers, London
Professional Engineer (Pr Eng) Member Engineering Council of South Africa
Arbitration Member Association of Arbitrators, South Africa
Paper on tying of longitudinal weakened plane joints in concrete pavements presented at 6th International Symposium on Concrete Roads, Madrid in October 1990.

Language Skills:

	<u>Reading</u>	<u>Writing</u>	<u>Speaking</u>
English	Excellent	Excellent	Excellent
Portuguese	Excellent	Excellent	Excellent

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
<p>Team Leader/Highway Engineer</p> <ul style="list-style-type: none"> • Overall coordination and management of the project team, planning of the execution of the assignment • Conduct of desk study of all available documentation • Advising the Employer as to any areas of deficiency • Ensuring that schedule of timing of deliverables is complied with • Liaising with the Employer and other interested parties regarding all aspects of the project • Coordinate planning and execution of all field work, including topographical surveys, materials investigations, FWD, IRI, traffic counts, axle load surveys and environmental and social studies • Conduct detailed inspection of the road and define the necessary additional surveys, investigations and testing to be undertaken. 	<p>Name of assignment: The construction of the Maputo By-Pass Road (74km), Maputo Province, Mozambique. Financed by the Exim Bank of China and the Government of Mozambique.</p> <p>Year: 2012 – Present</p> <p>Location: Maputo Province, Mozambique</p> <p>Client: CRBC</p> <p>Main project features: Construction of 52.2km of new road and widening and strengthening of 21.6km of existing urban road to a double carriageway standard (four lanes) including separator median, pedestrian walkways, bridges, culverts and three major interchanges (N1 road at Marracuene, N1 road at Zimpeto, N4 road near Bairro Tchumene). Construction of sub-grade, cement stabilised sub-base and crushed stone base. Bituminous asphalt surfacing. Relocation numerous services, including telephone, water, electricity and sanitation. Construction of lateral and cross drainage elements.</p> <p>Project value: US\$315M</p> <p>Position Held: Team leader and Highway Engineer.</p> <p>Activities Performed: Overall in charge of Quality Assurance team. Co-ordination of the QA team. Liaison with the Client. Directly responsible for all matters related to the review of the design. Attending monthly meetings. Regular inspection of the works. Providing design and supervision staff with the necessary technical and contractual assistance. Provide all necessary back-up to the project team, be it of an administrative, logistic or technical nature. Overall responsible for ensuring that the Quality Procedures and Quality Control are strictly adhered to.</p> <p>-----</p>