

OBJECTIVE

A professional Civil/Highway Engineer and a certified Project Management Professional, PMP® with extensive work experience in diverse environments. Seeking challenges of a result oriented environment.

CAREER SUMMARY

- Conducted **Technical & Safety Audits** on running projects.
- **Administered FIDIC** contract agreement between Employer and Contractor on **World Bank & Asian Development Bank aided Projects** apart from other state and private funded projects.
- Reviewed and comment on **Variations** and **Contractor's Claims** on time and cost.
- Attended **Dispute Review** Board Meetings and **Arbitration** proceedings on behalf of Engineer.
- Conducted **Traffic Surveys**, pavement & structures surveys, services and utilities surveys etc. & **Design Pavements (Crust)** based on available data and proof checking of designs.

WORK HISTORY

Resident cum Highway Engineer

Sep. 2009 – Till Date

Aar Vee Associates.

NH-5 Six Laning Project including Relocation of Services & Utilities, 43 Km, \$ 1000 Million. NHAI Project on **BOT (Design, Build, Finance and Operate Pattern)** basis, including Six Lane Pavement, Relocation of Electrical and Telecommunication lines and poles, Water supply and Drainage, executed by L&T.

- Review and comment on design of six lane access control highways (flexible) and major and minor structures (culverts, bridges, underpasses, flyovers etc.) during development period.
- Review, monitor and comment on construction activities and related documents, safety, operation and maintenance of existing four lanes Toll Road. Attend progress, commercial and safety meetings.

Resident Engineer

Oct. 2008 – May 2009

Dar Al Handasa (Lebanon).

Jumeirah Village Infrastructure Project, 68 Km. \$ 365 Million. NAKHEEL (UAE) funded Project, including District Cooling, Sewerage, Storm water, Irrigation, Potable Water, Fire, Gas, Telecommunication, Electrical, and Primary & Secondary Roads, executed by Contractor Ghantoot Transport.

- Administering contract agreement between Employer NAKHEEL, Client Ellis Don and contractor.
- Design rotaries, bus bays, parking, walkways, traffic manoeuvrings, and highways access on RTA guidelines. Approve method statement, mix designs, shop drawings, construction programme & materials.
- Monitor and compile progress. Attend Progress Review, Coordination & Safety Meetings.
- Coordinate with relevant government authorities.

Assistant Resident Engineer

Nov. 2007 – Oct. 2008

Wilbur Smith Associates. (U.S.A.).

International City Infrastructure Project, 53 Km. \$ 245 Million. NAKHEEL (UAE) funded Project, including District Cooling, Sewerage, Storm water, Irrigation, Potable Water, Fire, Gas, Telecommunication, Electrical, and Primary & Secondary Roads, executed by Iranian Contractor GMT Consortium, responsible for administering contract agreement between Employer NAKHEEL, Client BOVIS Lend Lease and contractor.

- Review and approve method statement, mix designs, shop drawings, construction programme & materials.
- Monitor and compile progress. Attend Progress Review & Safety Meetings.
- Handling Resident Engineer's duty in absence. Actively involved in close out of project.

Assistant Resident Engineer

Sep. 2007 – Nov. 2007

Parsons Int'l Limited. (U.S.A.).

Saadiyat Island Infrastructure Project, 60 Km, \$ 1200 Million. TDIC (UAE) funded Project, including District Cooling, Sewerage, Storm water, Irrigation, Potable Water, Fire, Gas, Telecommunication, Electrical, 10 Lane Expressway, Primary & Secondary Roads, executed by Australian Contractor Leighton.

- Administering contract agreement between Employer Tourism Development & Investment Company and contractor.
- Design review and approve method statement, construction drawings and construction programme.
- Monitor and compile progress. Attend Progress Review & Safety Meetings.

Resident Engineer

May 2006 - Sep. 2007

Louis Berger Group Inc. (U.S.A.).

SH-11 & 09 Widening Project including Relocation of Services & Utilities, 56 Km, \$ 100 Million. ADB funded Project on **FIDIC**, including Flexible & Rigid Pavement, Relocation of Electrical and Telecommunication lines and poles, Sewerage and Drainage, executed by Contractor Ramky Infrastructure Limited, responsible for administering contract agreement between Employer Madhya Pradesh Road Development Corporation and contractor.

- Design alignment to fit in the available land on MX Road software.
- Issuing notice and instructions to contractor and approvals of Method Statement, Mix Designs for concrete structures as well as pavement materials and working drawings.
- Monitor and review work programs. Attend client's Progress Review Meeting.
- Review & Recommend variations and contractor's time and cost claims.

Highway cum Pavement Engineer

Jun. 2001 – May 2006

Nag Infrastructure Consulting Engineers Pvt. Ltd.

NH-60 Four Laning Project including Relocation of Services & Utilities, 120 Km, \$ 1750 Million. NHAI Project on **FIDIC**, including Rigid Four Lane Pavement, Relocation of Electrical and Telecommunication lines and poles, Sewerage and Drainage, executed by International Contractor L&T, BSCPL & Gammon responsible for reviewing, suggesting necessary modifications and recommendation to construction drawings submitted by Design Consultants Sheladia/PBI/MRC and working drawings by L&T and BSCPL.

- Design Review of the Detailed Project Report submitted by the Design consultants and prepares report for client. Design roads and services alignment to fit in the acquired/available land on MX Road software.
- Checking setting out of alignment and interpretation of Contract. Involved in field checks of quantities of executed works and its approval.
- Evolve Quality Assurance System, prepare variations of quantities of executed works, preparing time extensions, respond claims submitted by the contractor,
- Attend Dispute Review Board Meetings and preparation of drafts for Arbitration proceedings.
- Also, involved in maintaining all contract related documents, checking working drawings and As Built drawings.
- Handling Resident Engineer's duty in absence. Actively involved in preparation of completion report.

Highway Engineer/ Assistant Resident Engineer

Feb. 1998 – Jun. 2001

Lea Associates South Asia Private Limited.

Ahmedabad - Mehsana Four Laning Project, 52 Km, \$ 750 Million. BOT Project, funded by IL&FS and executed by International Contractor L&T.

- Reviewing, suggesting necessary modifications and approval to construction drawings submitted by Design Consultant L&T-Ramboll.
- Checking setting out of alignment and laying of various layers of pavements. Involved in field checks of quantities of executed works and its approval. Review variations of quantities of executed works and interpretation of contract provisions. Maintaining all contract related documentation of correspondence and working drawings.

NH-8 Maintenance & Rehabilitation Project, 205 Km, \$ 60 Million. Maintenance & Rehabilitation of National Highway on Indent basis. The work included Cold Milling & Cold Recycling of Pavement, Cracks Sealing with Fog Seal, Slurry Seal, Pothole & Patch Repair, Profile Correction, Surface Dressing and Renewal Coat.

- Conducted surveys to prepare and issue quarterly, bi-annual and immediate indents for execution. Supervise all the works executed by the contractor.
- Checking Contractor's bill, preparation of measurement book, preparation of estimates for the works intended to be done. Prepared action plan for emergency works in monsoon. Sampling and witnessing construction materials and field/lab testing. Maintained documents, diaries, as-built drawings. Checked calibration of contractor's plant and equipment.

Road Maintenance Component, Gujarat State Highways Project, 285 Km. Detailed Engineering of **World Bank funded** Gujarat State Highways Project - Road Maintenance Component that includes Condition Survey of Pavement and structures, Benkelman Beam Deflection Measurements, Camber Board Survey.

- Conducted all the surveys and processed the data.
- Designed new pavement & Overlays. Preparation of specifications, maintenance schedule, bid document, bill of quantities. Technical Audit during execution of the projects.

NH-8 Four Laning Project including Relocation of Services & Utilities, 58 Km, \$ 600 Million. World Bank funded NH Project on **FIDIC**, Flexible Pavement, Relocation of Electrical and Telecommunication lines and poles, underground Sewerage and Drainage.

- Prepared Working Drawings related to Roads & Cross Drainage Works, shifting of underground services and utilities in built up areas after due Modification / Redesign as per site requirement.
- Handled the construction of Pre-stressed Bridge constructed over Creek and other Minor Bridges and Retaining Walls. Prepare measurement book. Prepare estimates for the works intended to be done.

Field Engineer

Jun. 1997 - Feb. 1998

SPAN Consultants Private Limited.

NH-2 Four Laning Project including Relocation of Services & Utilities, 42 Km, \$ 400 Million. On behalf of Engineer's Representative on **ADB funded** NH Project on **FIDIC**.

- Compiled Design Review Report for National Highways Authority of India after Condition Survey of existing Bridges, Culverts, Services, Utilities and Pavement.
- Also proposed new vertical Alignment, analyzed Traffic Studies, Economics and evaluated the Overlay & Pavement Design furnished by the design consultants and executed by Malaysian Contractor (BSC-RBM - PATI).

Deputy Project Manager

Jan. 1997 - Jun. 1997

Ansai Engineering Projects Limited.

Thoubal Multi Purpose River valley project, \$ 100 Million. In charge of the site to construct 50 metres Wide Concrete Chute Spillway, Control Structure & Water Intake Structures for Irrigation and Power Generation.

- Managed and co-ordinated the men and machineries for optimum utilisation.
- Order and procure materials and spares.

Construction Engineer

Jan. 1994 - Jan. 1997

STUP Consultants Limited

NH-2 Four Laning Project, 43 Km, \$ 150 Million. Construction Supervision and Quality Control Team on **ADB funded** NH Project, which included construction of Flexible Four Lane Pavement and 12 km of Rigid Four Lane Pavement under **FIDIC** conditions of contract by International Contractor (IRCON).

- Checked horizontal and vertical Alignments, Setting Out of curves, Levels, Surface irregularity and Compaction of Embankment, Sub-grade, Sub-base and Base courses.
- Checking Calibration of HMP, WMP, and Batching cum Mixing Plant and in Formulation of Mix Designs for B.C., D.B.M., W.M.M., G.S.B. and Cement Concrete of various grades.
- Reviewed & Monitored Progress of works & prepared computerized Physical & Financial Progress Reports for presentation to MOST & ADB. Also involved in post checking of rigid pavement after paving.

EDUCATION & CERTIFICATION

- Bachelors in Science, Lucknow University (India) - 1984
- Diploma in Civil Engineering., U. P. Board of Technical Education (India) - 1988
- Section A&B (Bachelors Degree) in Civil Engineering., The Institution of Engineers (India) - 1993
- Chartered Engineer, registered by The Institution of Engineers (India) – 2000
- Masters in Business Administration, MBA (Construction & Project Management), NIM (India) – 2009
- Project Management Professional, PMP® by Project Management Institute (USA) - 2011

PROFESSIONAL MEMBERSHIPS

- Member, Project Management Institute (USA)
- Member, Chartered Institution of Highways and Transportation (Great Britain)
- Member, Institution of Engineers (India)
- Life Member, Indian Roads Congress.
- Life Member, Indian Concrete Institute.

COMPUTER SKILLS

- Windows, MS-Office (Word, Excel and Power Point)
- ACAD(Software for Drawing and Drafting)
- Primavera(Software for Project Scheduling)
- MX Road(Software for Highway Design)
- Aconex and BIW (Software for Project Document Management)

REFERENCES AVAILABLE ON REQUEST