

RAJENDRA GADHVI, M.S.(Civil), P.Eng

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Human Resources

30 Forensic Engineering

**40 University Avenue, Suite 800
Toronto, ON M5J 1T1.**

February 18, 2019

Sub: Application for the position of a Principal Geotechnical Engineer, Toronto, Ontario

Dear HR Manager,

I am excited to learn of this opportunity. I believe that the projects at 30 Forensic Engineering will benefit from my knowledge in diverse disciplines of civil engineering. As a highly skilled and versatile civil engineer with extensive project management experience working in multi-disciplinary teams I feel that my qualifications and experience are well aligned for the position of a Principal Geotechnical Engineer.

I have a successful performance background in project management having worked with quality systems established for big construction projects and have been a PMI certified project management professional (2013 to 2016). I have routinely demonstrated my leadership skills to assign and schedule work, and provided engineering, technical and administrative advice and direction to project teams.

I have thorough knowledge of theories, principles and practices of civil engineering and possess advanced knowledge in related fields of geotechnical, pavement design, structural, drainage, surveys, traffic and construction practices to be effective in local and regional collaborative opportunities. Through my unique blend of knowledge and hands-on experience in various disciplines of civil engineering, including field inspections and field investigations, I can effectively lead/co-ordinate project teams in scoping out work and evaluating submissions for EOIs, RFQs and RFPs, and ensure acceptability of project deliverables by review and development of Quality Control Plans. I have direct design experience in geotechnical and structural field to be able to conduct technical review and undertake analysis and design for geotechnical and structural components related to highway and railway projects, utilities, building structures, energy projects and other civil infrastructure projects.

At TRCA, setting example of my solutions-oriented approach, I have used my strong time management, analytical, organizational, and computer skills to consolidate standards such as OPSS 1010, 1002, 1004, 501, and 1150 into single page spreadsheets and quality metrics that can be easily used by TRCA team members as reference for analysis, planning, and implementation of restoration works.

I am a licensed P.Eng. (Professional Engineer -PEO #: 100190930) registered with the Professional Engineers Ontario (PEO). I am confident that my well rounded civil engineering experience, together with strong project management experience will enable me to make quick and effective contributions to your team. I look forward to an opportunity of an interview to further discuss my suitability for the position on your team and can be reached at rajendrasgadhvi@gmail.com or 647.784.2727.

Thank you for your time and consideration.

Sincerely,

Rajendra Gadhvi
M.S.(Civil), P.Eng

Rajendra Gadhvi, M.S. (Civil), P.Eng

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(C) 647-784-2727; Email: rajendrasgadhvi@gmail.com

JOB OBJECTIVE: A Civil Engineer who can provide and deliver professional engineering skills in the analysis, design and project management of projects in structural and geotechnical field

SUMMARY OF QUALIFICATIONS

- **Professional Engineer (P.Eng.)** with 4+ years of Canadian experience in infrastructure, building, and other civil engineering projects
- Master's degree in civil engineering assessed and approved by Professional Engineers Ontario
- Sound technical knowledge and well-versed with computer applications such as MS Office, AutoCAD, MicroStation, Revit, Staad Pro, Civil 3D, Etabs, TALREN (Slope Stability), Slope/W
- Performance record for meeting timelines and exceeding expectations

ACCOMPLISHMENTS

- Developed spreadsheets for analysis and design of structural components, footings, rafts, piles, and group of piles which reduced the time and assisted in optimising design of elements
- Recognized for timely completion of designing and detailing of projects with efficient use of software applications which resulted in successful completion of 7 projects ahead of deadlines
- Managed with project management fundamentals highway, road, and building projects worth CAD\$500 million complete with investigation, proposal scrutiny, contract documents review to construction
- Introduced and drafted standard documents for infrastructure and building projects

TECHNICAL SKILLS

- Engineering
 - Structural analysis and design • Geotechnical analysis and design • Structural Evaluations
 - Detailing of concrete and steel structures • Cost estimates • Inspections/Testing
 - Evaluations of EOIs, RFQs, and RFPs • Contract Documents
- Codes and Standards
 - Canadian Highway Bridge Design Code (CHBDC) • Ontario Provincial Standards for Road and Public Works (OPS) • CSA standards for concrete, steel and Wood structures • National Building Code
 - Ontario Building Code • Ontario Structural Inspections Manual (OSIM) • Ontario Traffic Manual
 - American Association of State Highway and Transportation Officials (AASHTO) • ASTM
- Computer Skills
 - Staad Pro • Etabs • Slope/W • gINT • AutoCAD • Civil 3D • MicroStation • Revit • Primavera
 - MS Word • MS Excel • MS Power Point • MS Outlook • MS Project

EMPLOYMENT EXPERIENCE

Geotechnical Engineer

May 2017 – Present

Wood (Formerly AMEC Foster Wheeler) Environment & Infrastructure Solutions, Richmond Hill, ON

- Reviewed site details with the supervisor to take down the work scope and complete risk assessment
- Completed on-site hazard analysis and conducted HSSE meeting and prepared reports
- Co-ordinated with the client engineer and completed geotechnical inspections, investigations, and testing to control geotechnical aspects as per the project specifications. Prepared inspection reports.
- Supervised drilling operations, collected geotechnical and environmental samples, completed soil and rock coring logs, prepared rock cores, conducted packer tests and installed shallow and deep wells as per the specifications of TTC for Toronto Transit Commissions Relief Line South Subway project
- Entered data for samples in the database management program

Geotechnical Engineer

April 2015 – April 2017

Canada Engineering Services Inc., Toronto, ON

Performed geotechnical investigations for land development projects in Richmond Hill, Markham, and Brampton, a commercial development, and sewer and road construction in Toronto

- Reviewed site map and layout drawings to determine extent of geotechnical testing
- Carried out field investigation/testing for quality control to compare with project specifications and applicable standards
- Drilled bore holes to prescribed depths, observed nature and properties of cuttings, collected samples using split spoon sampler, performed standard penetration tests (SPT) and; completed field bore logs

Civil/Structural Design Engineer

June 2011 – Jan. 2014

Public Authority for Housing Welfare, Ministry of Housing, Kuwait Government

www.housing.gov.kw

Carried out project planning, designing, and coordination and achieved the following:

- Planned scope of surveys, geotechnical investigations, hydrogeological data collection, and design
- Reviewed technical submissions by consultants (including input, analysis, and output using structural software STAAD, SAP, SAFE) and ensured alignment with terms of engineering, social and economic factors, and compliance with ministry standards, policies, and procedures
- Advised and provided overall project direction to engineering consultants in preparation of design studies and detailed engineering including checking contract drawings and other contract documents
- Investigated foundation engineering problems and designed foundations to suit subsoil conditions;

Projects: Kuwait Olympic Village, Kuwait-Meinhardt, Australia;

Cultural Center, Kuwait-BDP, UK

Structural Engineer

Nov. 2007 – May 2011

Ministry of Defense, Kuwait Government

www.mod.gov.kw

Performed structural evaluations of buildings and prepared technical reports to recommend solutions to engineering, construction and maintenance problems; completed analysis and design using STAAD software

Geotechnical Engineer

Jan. 2005 – Nov. 2005

Survey and Test Consult International (STCI), Kuwait

www.stci-kw.com

Applied all-round expertise in geotechnical engineering and project management and achieved the following:

- Supervised contractor's day to day on-shore and off-shore geotechnical investigation activities including drilling, off shore CPT, on shore SPT, sample collection, and laboratory soil testing
- Established Soil and Material Testing laboratory and conducted soil and material tests
- Evaluated geotechnical parameters like in-situ soil stress strain response by pressure meter testing, proper sub soil classification, SPT, pile testing, and evaluated rock properties by rock coring for the project: US \$ 950 Million 77 story high-rise construction (Project Consultant: Stanley Consultants, US)
- Performed slope stability analysis using TALREN software

Geotechnical Engineer

June 2002 – Dec. 2004

INCO-LAB, Kuwait

www.inco-lab.com

- Prepared project planning proposals, cost estimates, and scheduled exploration programs including hydraulic, hydrogeological, and geotechnical studies; supervised field personnel for field tests
- Analyzed exploration data and determined lab tests; analyzed field and laboratory test results
- Performed stress-strain analysis, settlement analysis, and slope stability analysis as required and prepared interpretative reports - Prepared 500+ geotechnical reports with recommendations for bearing capacity, settlement and foundation type

EDUCATION

- Master of Science in Civil Engineering, University of Wisconsin-Milwaukee, USA
- Certificate courses in Revit, AutoCAD, MicroStation, Civil 3D, Primavera, MS Projects, Metro College, Toronto
- Certificate courses in Design of High-Rise Buildings • Application of Professional Software (STAAD PRO) in Structural Engineering • Modern Methods of Analysis and Design of Foundations/Superstructures • Non-Destructive Testing of Concrete • Helical Pile and Micro-Pile • Project Management Professional Course