

Nii Noi Akuetteh

6 Dunkirk Road
East York, Toronto ON
M4C 2L9

The Human Resource Manager
30 Forensic Engineering
Toronto, ON

Subject: Application for the position of Transportation Engineer

Dear Sir/Madam,

I wish to apply for the position of Transportation Engineer. I strongly believe that my work experience in a transportation and traffic engineering consulting firm on large scaled transportation infrastructure projects coupled with my educational background in Transportation Engineering (M.Eng and BSc.) qualify me as a strong candidate for such this position.

My graduate program involved relevant courses like Traffic Engineering, Urban Transportation Planning and Project Management with accompanying projects in each of these courses which helped me strengthen my knowledge in transportation engineering principles. During this period, I have also become conversant with VISSIM Software and acquired basic programming skills in Python and R programming language for data analysis. As an undergraduate student in Civil Engineering, part of the requirements of my degree involved group projects in integrated design and individual projects in different disciplines with my final year project focusing on transportation engineering. This provided me with a firm theoretical background in transportation planning and intersection capacity analysis to enter into the transportation engineering industry.

My work experience in a Civil Engineering Consulting firm prior to my graduate studies involved working in various capacities of transportation planning and data analysis, road safety, traffic operational reviews, traffic management studies as well as representing my firm in several council and government meetings. My various roles included modelling and analysis of intersections and liaising with government officials, private clients, contractors and subcontractors to ensure the smooth execution of major road projects from planning to execution. This helped me develop my conceptual and functional skills, critical thinking and analysis, team working skills and other relevant computer skills such as AutoCAD, Civil 3D and Synchro Trafficware and sharpened my Microsoft Office and Project skills.

I am eager to bring on board my skills to contribute to the professional services being offered because I have the determination and confidence to grow and make an impact. I can be reached on 514-928-9153 or niinoiak@gmail.com for further discussions. Thank you

Sincerely,

Nii Noi Akuetteh

NII NOI AKUETTEH
TRANSPORTATION ENGINEER

6 Dunkirk Road, Toronto, ON, M4C 2L99

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<https://ca.linkedin.com/in/niinoiakuetteh>

PROFILE

- A results-oriented transportation engineer with a master's in transportation engineering;
 - Work experience in a consulting engineering firm leading and executing tasks such as road safety programs and audit, intersection design and analysis, traffic data collection, transportation planning;
 - Possesses strong working knowledge of SynchroTM, VISSIM, Microsoft Office Suite, AutoCAD;
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EDUCATION

M.Eng. Civil Engineering

2016 – 2018

Concordia University, Montreal, Canada
Major: Transportation Engineering

B.Sc. Civil Engineering

2010 – 2014

Kwame Nkrumah University of Science and Technology, Accra, Ghana
Major: Highway and Transportation Engineering

HIGHLIGHTS OF QUALIFICATIONS

- Managing and timely delivery of large road infrastructure projects;
 - Designing and simulating intersections and subsequent improvements by evaluation and monitoring of traffic controls using SynchroTM;
 - Road safety audits and improvements using traffic data for highway and urban road designs;
 - Conducting Traffic Impact Assessment and parking studies for multi-purpose urban buildings;
 - Conducting travel demand forecasting and preparing traffic management plans for cities using transportation planning principles in line with AASHTO and HCM;
 - Scheduling and organizing several teams for the timely delivery of client deliverables;
 - Certificate on Health and Safety on Construction Sites and WHMIS 2015.
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COMPUTER SKILLS

- Synchro Trafficware Suite and SimTraffic
 - VISSIM
 - AutoCAD
 - Civil 3D
 - Microsoft Office (Word, Excel, PowerPoint, Project)
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WORK EXPERIENCE

Junior Transportation Engineer

2014 to 2016

Comptran Engineering and Planning Associates, Ghana

- Formulated and reviewed traffic management plans for several government-funded road projects ranging from 15km to 40km urban and highway road construction projects;
 - Supervised right of way acquisition for upcoming road projects in urban areas in Ghana;
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- Developed specifications and standard drawings for road markings and signage for various government and World Bank-funded projects ranging from 130km to 180km road projects in Uganda, Rwanda and Liberia;
- Conducted several road marking and signage field inventory including a 15km and a 40km road project for the Ministry of Roads and Highways in Ghana;
- Supervised a team of 10 to conduct traffic studies and traffic management works around 4 regions in Ghana for Japan International Cooperation Agency (JICA);
- Modelled and simulated intersections on a 15km road using Synchro Trafficware Suite;
- Conducted traffic impact assessment for an upcoming multi-utility facility;
- Assisted in the preparation of technical reports including feasibility study reports, detailed design reports, environmental and social impact reports and management plans, resettlement and action plans.

Accomplishments

- The successful completion of design of all intersections and interchanges as well as the simulation of ongoing road projects using projected volumes of vehicles and estimated signal times in Synchro and SimTraffic to determine the feasibility of these estimated times and subsequently fine tune the design;
- Successful supervision of a team of 10 to conduct several 24hr Manual Counts in 4 regions for the Japan International Cooperation Agency (JICA);
- Successful design of an integration scheme for newly recruited graduate engineers.

Engineer-In-Training

2012 & 2013

Louis Berger / Transtech Consult :

- Assisted with daily supervision of a 15km road construction activities;
- Corresponded and interacted with residents affected by the construction activities with regards to provision of access;
- Co-ordinated with teams of subcontractors to identify utility conflicts and undertake relocation exercises;
- Refined the processes for the conduct of geotechnical investigations such as Field Density Tests, California Bearing Ratio Tests and Triaxial Tests;
- Delivered presentations on complex geotechnical procedures during technical meetings.

Accomplishments

- The development of an Economic Impact Assessment Scheme for the assessment of the Awoshie-Pokuase road project on the beneficiary communities for the African Development Bank (AfDB)

OTHER EXPERIENCE

Exams Office

2017 – 2018

Invigilator

Concordia University, Montreal, Quebec

GradProSkills, Graduate School Office

2017 – 2018

Workshop Assistant

Concordia University, Montreal, Quebec

VOLUNTEER EXPERIENCE

Concordia University Used Book Fair

2017

Volunteer

Concordia University, Montreal, Quebec

Ghana Institute of Engineers

2015

Volunteer

Accra, Ghana