

Dr. Eng. ANDREW GRACE NAIMANYE

Qualifications	PhD, MSc(Eng), BEng, CEng, MICE, MCIHT, REng(U).	
Specialisation	Chartered Civil Engineer/Transport Planner, Road Safety Engineer/Auditor, Expert Witness, Road Funds Management	
Nationality	British / Ugandan Dual Citizen	
Date of Birth	24 th August 1972	
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Address – Uganda	Unit 2408, Green Top Villas (B) – Lubowa Estate, P.O. Box 34044, Kampala, Uganda	

Experience Summary

A Chartered Civil Engineer/Transport Planner with 20 years' professional experience gained on a wide range of civil, structural, water, airport, transport planning, road safety, railway and highway engineering projects in the UK and Sub-Saharan Africa (SSA). Eight years of experience has been gained in the SSA transport sector. Experienced in the preparation of highway Contract Documents and Specifications. Road Safety Auditor compliant to HD 19/15 and certified by Highways England (EU directive 2008/96/EC). Experienced in geometric design and detailing of highway infrastructure to TD 9/93 and country specific standards. Undertaken contract administration using ICE and FIDC Conditions of Contract. Extensive formal training in Road Safety Engineering/Audits and FIDIC Contract Administration. Previously worked in the Standards, Safety and Research division of the UK Highways Agency. I have detailed knowledge and application of standards in the UK Highways Agency Design Manual of Roads and Bridges and international highway design standards. I am knowledgeable in design risk assessment/relaxations and departures. I have also acted as a highways/traffic 'Expert Witness' at Public inquiries/hearings into planning application refusals for various major developments the UK.

I managed various Traffic / Transport Planning studies / assessments and highway design schemes in the UK and Uganda. I was a Project Manager of numerous development control commissions and highway studies on behalf of the UK Highways Agency and Local Highway Authorities in the UK. I have detailed knowledge and understanding for funding mechanisms for the transport sector in the developed world and global south. Excellent understanding of financial project appraisal for road schemes. Previously worked as an Assistant Resident Engineer (measurements) on a USD 24million road upgrading project.

I possess expertise in transport policy and strategy, institutional development and sector governance & transport sector reforms. Working knowledge of methodologies and techniques for transport sector analysis and I have hands-on experience in the operations of Road Funds and Road Authorities in SSA. At the Road Fund in Uganda, I undertook programme assessments and allocation of funding to the various implementing Agencies totalling over US\$650million. I established a new funds allocation formula, Financing Strategic Plan, Road Maintenance Management System, Unit Cost Model and bespoke programming and planning tools. I managed the European Union Technical Assistance to the Road Fund and I am the secretary of the Policy and Strategy Board committee. I was responsible for the set-up and day to day management and business development of the Leeds office of Waterman Boreham (part of Waterman Group) in the UK with annual fee turnover of circa £0.75m p.a

Academic Qualifications	
PhD, Transport Economics; Institute for Transport Studies, University of Leeds (UK), 2016 MSc (Eng), Transport Planning and Engineering, University of Leeds (UK), 1996 BEng (Hons), Civil Engineering with Architecture, University of Leeds (UK), 1995 'O' and 'A' Levels, Kings College, Budo, Uganda (1988, 1991)	

Professional Qualifications	
Chartered Civil Engineer (CEng), Engineering Council (UK), 2003 Member of the Institution of Civil Engineers (MICE), UK, 2002 Member of the Chartered Institute of Highways and Transportation (MCIHT), UK, 2003 Road Safety Engineer/Auditor – Highways England Certificate of Competence, UK, 2015 Registered Engineer (REng), Engineer's Registration Board (Uganda) Member Uganda Institution of Professional Engineers (MUIPE)	

Continuing Professional Development	
Highways England, Road Safety Certificate of Competence: 23-24 Sept, 2015, London, UK Time management during research, Sept, 2014, Leeds, UK Project managing of research, Sept, 2014, Leeds, UK Preparing for your Doctoral Viva, Sept 2014, Leeds, UK PPP Project Screening & Appraisal Techniques: IP3, 3-6 Dec, 2013, Miami, Florida, USA. Research ethics and ethical review, Sept, 2013, Leeds, UK Senior Roads Executive Course, International Road Federation, June, 2012, Birmingham, UK FIDIC Conditions of Contract, Sept 2014, Kampala, Uganda Africa Community Access Programme courses (Tanzania, 2011, Uganda, 2014) Management Development Programme, Sept 2008 to Jan 2009, Brentwood, Essex, UK RoSPA Road Safety Engineering – Accident Investigation and Prevention, June 2007, Coventry, UK Environmental Assessment of Transport Projects, 2007, Aston University, Birmingham, UK 1st International Conference on Advances in Engineering and Technology, Entebbe, 2006, Uganda Commercial Management of Commissions, Halcrow, 2005, Leeds, UK The Trip Rate Information Computer Systems (TRICS), 2005, London, UK Preparing or Public Inquiries and Expert Witness Training, 2004, London, UK The Trip Rate Information Computer Systems (TRICS) 2004, London, UK Road Safety Engineering Course, 2004, Nottingham, UK Marketing for Engineers, 2004, Leeds, UK Effective Communications, 2004, Lichfield, UK Lloyds Register Quality Management Systems course, 2003, London, UK International Labour standards Workshop, DfID, 2003, London, UK Civil Engineering Contract Law and Administration, 2002, Leeds, UK The Trip Rate Information Computer Systems (TRICS) Conference, 2002, Birmingham, UK Construction, Design and Management course, 2002, CIOB headquarters, Ascot, UK Health and Safety at Work, June 2002, Leeds, UK MACAFFERI seminar on use of reinforcement mesh, April, 2002, Leeds, UK KELLER-COMTEC Seminar on design of reinforced soil, April 2002, Leeds, UK Introduction to PARAMICS and LINSIG, March 2002, Leicester, UK Design of HILTI anchors, March, 2002, Leeds, UK VISSIM Model – Faber Maunsell, October 2001, Leeds, UK Hydraulic design of linear drainage systems and Beany block design and detailing, Sept 2001, Leeds, UK TARMAC special products, Micro-silica Concrete and self-compacting concrete, June 2001, Leeds, UK Voluntary Service Overseas, Market Research Seminar, June 2001, Woodlesford, UK Sustainable Urban Drainage Systems, August, 2001, Leeds, UK Steel in Construction, Steel Construction Institute, CORUS, October, 2000, Leeds, UK	

Experience Summary			
Road Fund, Uganda	Planning and Programming	-	2010 - to date
Waterman Group, Leeds, UK.	Associate Director	-	2007 to 2010
Halcrow Group (CH2M Hill), Leeds, UK	Associate	-	2004 to 2007
JMP Consultants, Leeds, UK	Principal Engineer	-	2002 to 2004
White Young Green, Leeds, UK	Senior Engineer	-	2000 to 2002
Dossor Taylor, York, UK	Structural Engineer	-	1999 to 2000
GIBB Africa, Uganda	Project Engineer	-	1996 to 1998
<i>The sections below illustrate some of the projects in which I was involved in the last twenty years</i>			
Transport planning /Highway Studies			
<p>Stamford Bypass (UK) Stamford Highway and Development Study – Analysis and highway design of bypass options and contributing developments. The study involved updating the SATURN model for Stamford. The analysis also included assessment of funding mechanism and financial contributions from ‘supporting’ developments under the Country and Town Planning Act.</p>			
<p>A1 Trunk Road Improvements (UK). Highway design, costing and evaluation of traffic reports for the Hemsworth to A1 Barnsdale Bar Link Road. Highway design review of the A1 Hemsworth to Barnsdale Bar Link Road. The analysis included review of existing design and assessment of funding mechanisms.</p>			
<p>Department for Transport (UK): Road User Charging Study I was responsible for the trial runs and data collection/analysis for the M621 site in Leeds for the UK road user charging study in collaboration with the Transport Research Laboratory in Berkshire, UK</p>			
<p>National Road Sector Performance Monitoring (Uganda) Road sector performance monitoring on behalf of the UK Department for International Development. Identifying and collection of data on key economic indicators and developing performance indicators.</p>			
<p>Kampala (Uganda) urban roads improvement project on behalf of Japan International Corporation Agency (JICA). Design of traffic count sheets, Supervision of traffic count enumerators, logistics planning and co-ordination of road side interview (RSI) site set up and supervision. Supervision of traffic count data entry and preliminary analysis, Supervision of RSI data entry and preliminary analysis</p>			
<p>Kampala-Mityana (Uganda) Road feasibility study on behalf of Danish International Development Agency (DANIDA): Design of manual classified traffic count sheets. Supervision of traffic count enumerators. Selection of traffic count sites. Traffic count data entry and analysis. Accident data collection and analysis. Pavement condition survey data collection. Drainage/culvert inventory data collection, Environmental impact assessment data collection and analysis. Report preparation.</p>			
<p>Kampala Northern and Southern Bypass – Feasibility study and preliminary road scheme design. The analysis included assessment of funding mechanism and design options.</p>			
<p>Olympic Delivery Authority (ODA) - UK Project Engineer responsible for reviewing the Transport Assessments and infrastructure proposals for the London 2012 Olympics and Paralympics; the largest planning application in Europe at the time.</p>			
<p>A57 Mottram Moor to Tintwistle Bypass (UK) Project engineer reviewing the highway study and traffic model identifying issues relating to re-assignment of traffic as a result of the Glossop Spur which would connect into the Highways Agency bypass scheme. Review of highway engineering drawings and scheme proposals. The study involved review of policy and collaboration with various government institutions.</p>			

High Occupancy Vehicle (HOV) Provisions Study M62, M1, A1, M18, A1(M), M180 – (UK)

Project engineer on this study which involves identifying potential sites along the motorway and trunk road network in the Yorkshire and Humber region that may benefit from the delivery of HOV lanes/gates. The analysis required clear understanding of major transport policies.

Highway Engineering / Design

UK Highways Agency (Leeds and Manchester) Safe Road Design (SRD) Team

Highway designer and Road Safety Engineer responsible for reviewing, rejecting and approving Geometric Departures from Standards applications submitted by Consultants for schemes affecting the Strategic Highway Network (SHN) in England. The SRD Team is a specialist group of the Standards, Safety and Research department of the UK Highways Agency. Worked as lead engineer in a specialist team of 4 highly trained and experienced engineers responsible for ensuring that geometric highway designs on the SHN are acceptable and safe.

James Street Link Road, York (UK)

Highway alignment and pavement design; Preparation of traffic and environmental impact report

Bituminisation of Roads in 26 Town Councils (Uganda)

Design supervision and contract administration

Waverley Advanced Manufacturing Park, Rotherham (UK)

Design of site link roads serving the business park just off the M1 motorway in Sheffield

Olympic Delivery Authority (ODA), London - UK

Project Engineer responsible for highway infrastructure design.

A57 Mottram Moor to Tintwistle Bypass (UK) - Highway Engineer for proposed new designs and associated highway infrastructure.

High Occupancy Vehicle (HOV) Provisions Study M62, M1, A1, M18, A1(M), M180 – (UK)

Highway Engineer for proposed new designs and associated highway infrastructure.

Masaka to Bukakata Road (Uganda)

Highway Engineer for proposed new designs and associated highway infrastructure.

Otterburn Military Training Area, Ministry of Defence, Northumberland - UK

Highway and Pavement design for the Otterburn Training Area, Ministry of Defence.

Road Safety Audits/Road Safety Engineering

UK Highways Agency (Leeds and Manchester) Safe Road Design (SRD) Team

Highway designer and Road Safety Engineer responsible for reviewing, rejecting and approving Geometric Departures from Standards applications submitted by Consultants for schemes affecting the Strategic Highway Network (SHN) in England

Stockport Grand Central, Stockport, UK

Stage 1 Road Safety Audit – Team Member

Kingswood Development, Hull, UK

Stage 1 Road Safety Audit – Team Member

Ingress and Egress to a Fuel Filling Station on Kampala to Masaka Highway (Uganda)

Road Safety Audit Team Leader – Stage 3 – HD 19/03

I prepared the Stage 3 Road Safety Audit in accordance with the requirements of HD 19/03.

Foot Bridge on Mbogo Road / Access to Greenhill Academy – Kampala (Uganda)

Accident Investigator / Road Safety Audit Team Leader – Stage 1 and Stage 3 (HD 19/03)

Foot Bridge at Bugembe on Jinja to Iganga Road (Uganda)

Accident Investigator / Road Safety Audit Team Leader – Stage 1 and Stage 3 (HD 19/03).

Masaka to Bukakata Road (Uganda)

Road Safety Engineer and Road Safety Audit Team Leader – Stage 1

Kampala Institutional & Infrastructure Development Project 2 (KIIDP 2) – Fairway Junction, Uganda

Road Safety Engineer and Road Safety Audit Team Leader – Stage 1

Kampala Institutional & Infrastructure Development Project 2 (KIIDP 2) – Kira and Kabira Junction, Uganda.

Road Safety Engineer and Road Safety Audit Team Leader – Stage 1

Kampala Institutional & Infrastructure Development Project 2 (KIIDP 2) – Makerere Hill, Mambule Road and Bwaise Junction, Uganda.

Road Safety Engineer and Road Safety Audit Team Leader – Stage 1

Road Safety Audit - upgrading to bituminous standard of the Mukono-Katosi/Kisoga-Nyenga Road, Uganda.

Road Safety Engineer and Road Safety Audit Team Leader – Stage 2

Road Safety Audit - Hoima – Butiaba – Wansenko Road upgrade (Uganda)

Road Safety Engineer and Road Safety Audit Team Leader – Stage 2

Traffic Impact Assessments and Travel Plans

- ❖ Leeds City Station Bus Interchange, Leeds.
- ❖ Foss Islands retail development, York.
- ❖ Waverley Advanced Manufacturing Park, Sheffield (M1). Queens Park Hospital Private Finance Initiative, Blackburn (M65 motorway).
- ❖ Baltic Business Park, Gateshead (A1 Trunk Road). Glass Factory, Goole (M62 Motorway).
- ❖ Fiege Distribution Centre, Castle Donnington (TA and Road Condition survey),
- ❖ Submission of highway design schemes to the Departures from Standards team.
- ❖ Newark further education centre,
- ❖ Foss Islands Road mixed use development, York.
- ❖ Mixed Use development, Derby Road, Chesterfield.
- ❖ Gwash Valley Business Park, Stamford, Lincolnshire.
- ❖ Retail developments in Redcar, Newcastle, Sheffield, Lincolnshire etc

Football Stadia

- ❖ Review of the Transport Assessment for Darlington Football Club on behalf of the Highways Agency.
- ❖ Review of the match day traffic management proposals

Rotherham Metropolitan BC (RMBC)

- ❖ Review of Transport Assessments on behalf of RMBC
- ❖ **Tesco Stores: Prepared TAs for various New Tesco Stores and Extensions**

Transport Impact Assessments - Uganda

- ❖ Several residential developments in Naguru, Nakawa, Kololo and Kampala Central Business District
- ❖ Shopping Malls including Forest Mall, Chestnut Mall and Bugolobi Village Mall
- ❖ Hotels (Canan Hotel, Shumuk Hotel and Nsambya)
- ❖ Supermarkets and mixed use developments
- ❖ Bus terminals including: Banda and Bwaise terminal
- ❖ Several office complexes in Kampala including Lotis Towers
- ❖ Leisure facilities including Kampala Casino
- ❖ Warehouses

Expert Witness Services	
<p>Traffic and highways evidence for residential development in Aberdeen, Scotland Highways evidence for new Motorway Service Areas on the A1 (M) trunk road Traffic evidence for appeals in refusals of various Tesco Supermarket developments in the UK Expert witness at the Judicial Commission of Inquiry into Uganda National Roads Authority</p>	
Development Control Commissions	
<p>UK Highways Agency Development Control Commission</p> <p>I managed a five year Framework Contract with the Highways Agency. The contract supported the development control and network strategy teams within the northern region of the Highways Agency and provided a wide range of services; including auditing of traffic and highway studies, transport assessments and travel plans, development of strategic models, assessment of emerging local development frameworks, review of infrastructure design and highway improvements. Road Safety Audits and review of designers' responses.</p>	
Master Planning	
<p>Highways and transport planning input to the Halifax Masterplan, UK Highways and transport planning input to Redcar and Cleveland Economic Masterplan, UK Highways and transport planning input to Hull Development Plan, UK</p>	
Contract Administration / Highway Supervision	
<p>Foss Islands Road, York, UK Assistant Resident Engineer undertaking contract supervision and administration.</p> <p>Waverley Advanced Manufacturing Park, Rotherham, UK Contract administration and site supervision</p> <p>Sironko to Kapchorwa Road (Uganda) Assistant Resident Engineer on a US\$ 24million, 46km road. Responsible for measurements and quantities as well as general site supervision. The scheme was part funded by the Government of Uganda from East African Community compensation proceeds obtained from the Kenyan Government.</p> <p>Bituminisation of Roads in 26 Town Councils (Uganda) Contract supervision and administration</p> <p>Northern Uganda Reconstruction Programme – site supervision of feeder roads upgrade (Moyo – Atiak)</p> <p>Metro Cash and Carry (Uganda): Surveying, design and site supervision for the construction of Metro Cash and carry Supermarket, South African Supermarket chain. Work involved: Preparation of site progress reports Contractor surveillance, valuation of interim certificates of payment.</p> <p>New access road to Forest Mall (Uganda) Construction supervision</p>	
Railway / Permanent Way Engineering	
<p>Feasibility study for rehabilitation of Kampala to Malaba railway line – Project Engineer Feasibility study for rehabilitation of the Kampala to Nalukolongo World Food Programme depot – Project Engineer Remodelling of Leeds Train Station bus interchange and parking areas – Project Engineer</p>	

Road Funds Administration	
<p>Head of the Planning and Programming Department of the Road Fund since its inception in 2010 and Member of the Fund Management Committee. Secretary to the Policy and Strategy Board Committee of the Uganda Road Fund Board.</p> <p>Manager of the EU Technical Assistance to the Uganda Road Fund under EDF 10 and EDF 11 (Euro 3million). Served as Chairman of the Contracts Committee of Road Fund under the Procurement Act (2011 to 2013).</p> <p>Other tasks include:</p> <ul style="list-style-type: none">Analysis of National Roads Authority and other local authority workplans and accountabilitiesPreparation of Road Maintenance Financing Strategic PlansPreparation of Annual Road Maintenance Programme, Revenue and Expenditure PlanPreparation and update of funds allocation formulaPreparation of Unit Cost Model and Road Maintenance and Management SystemPreparation of research manual, axle load control guidelines, programming manual and funds disbursement guidelinesAnalysis of funds application for research and emergency/special interventionsRoad fund representation at key sector meetings particularly with donor agenciesExtensive collaboration and working relationships with the following Road Funds and Road Authorities in Sub Saharan Africa: <ul style="list-style-type: none">• Kenya Roads Board and Kenya National Highways Authority• Road Funds Board of Tanzania and Tanzania Roads Agency• Ghana Road Fund and Ghana Highway Authority• National Road Fund Agency of Zambia and Road Development Agency• Road Fund Administration of Namibia	
Research studies and publications	
<p>Development of equitable algorithms for road funds allocation and road scheme prioritisation in developing countries – A case study of Sub-Saharan Africa – Ph.D. Thesis, University of Leeds</p> <p>Poverty-centred Rural Funds Allocation in Sub-Saharan Africa, ICE Global Poverty Themed issue</p> <p>Various papers at the TRICS Conference in the UK</p> <p>Research supervision for low cost seals in Uganda</p>	
Referees	
<p>Dr. Anthony Whiteing, Director, University of Leeds, +44 (0) 1134 35359, a.e.whiteing@its.leeds.ac.uk</p> <p>Dr. Alan Beswick, Executive Director, JMP Consulting, +44 (0) 7739 429 156, alan.beswick@jmp.co.uk</p> <p>Mr. Benon Kajuna, Director of Transport, Ministry of Works, +256 (0) 77418993, kajunab@gmail.com</p> <p>Dr. Michael Odongo, Executive Director, Uganda Road Fund, +256 (0) 772489675, mmodongo@roadfund.ug</p>	