

CURRICULUM VITAE

Company	GIBB
Name	Karin LIEBENBERG
Nationality	South African
Date of birth	30.09.1974
Profession	Transportation Engineer
Position	Senior Associate
Specialisation	Traffic and transportation
Start date with GIBB	1997 – Permanent full-time staff member

Key experience

A transport engineer with 15 years of experience Karin Liebenberg is involved in the specialist field of traffic and transportation engineering.

Her key experience includes:

- **Non-motorised transport planning**
 - **Rail planning**
 - **Road access management plans**
 - **Special needs passengers** : study and policy formulation for improvements to public transport, incl assisting with the design and implementation of a demand responsive (Dial-a-Ride) service
 - **Traffic accident investigations and remedial measures reports**
 - **Traffic signal design**
 - **Transport Impact Assessments and conceptual design**
 - **Technical assistance** to the City of Cape Town
 - **Technical assistance** to the Provincial Government Western Cape: Department Transport and Public Works
 - **Technical assistance** to the Department of Transport
-

Qualifications

Master of Engineering (Transportation) : University of Stellenbosch, 2001
Bachelor of Engineering (Civil) : University of Stellenbosch, 1997
Registration as a Professional Engineer : Engineering Council of South Africa, 2008
PrEng Registration No : 20080324
Guest Lecturer for the University of Cape Town's Transport Studies Programme (various courses), 2005 to 2007
Ad hoc External Examiner for the University of Stellenbosch (Master in Engineering Project Submissions)
Road safety audit course and workshop by the CSIR, SAICE (1998), CMC and PAWC, 2000

K LIEBENBERG C V SHEET 2

Traffic signal workshop by the CMC Directorate : Traffic and Transportation
Geometric design of urban and rural roads course by the South African Road
Federation
Intelligent Transport Systems (ITS) Awareness Seminar by the City of Cape Town and
SASITS, 2001

K LIEBENBERG C V SHEET 3

Career summary

2006 to date **GIBB** – Associate

Major projects include:

- Merging of selected PRASA documentation into an updated Norms, Standards and Guidelines (NGS) document
- Rail Transport Management Support
 - Preparation of the City of Cape Town's Rail Framework
 - Preparation of investment diagrams to inform the update the Western Cape Regional Rail Plan
 - Preparation of a "Policy for the Provision of Facilities Relating to Pedestrian Crossing of Railway Lines" for the City of Cape Town
 - Secretariat to Cape Town Rail Steering and selected Working Committees
- Traffic Signal Design as part of the Inner City Integrated Rapid Transit System (Garden Centre Feeder Stop)
 - Buitenkant and Maynard Streets intersections with Mill Street (EB and WB)
- Traffic Engineering Assistance to the City of Cape town (review engineer)
- Accessible Public Transport Systems in South Africa Project for the Department of Transport
 - Preparation of an Implementation Strategy document to guide the provision of accessible public transport system in South Africa
 - Preparation of an Action Plan to guide the provision of accessible public transport system in South Africa
 - Preparation of a gap analysis report on standards relevant to the provision of accessible transport systems in South Africa
 - Ongoing technical and budget related input, as part of an experts panel, to improve the accessibility of public transport in South Africa
- Traffic Signal Design as part of the Inner City Integrated Rapid Transit System (Phase 1A)
 - Heerengracht and Hertzog Boulevard intersections and pedestrian crossings
 - Fountain Circle, including trafficams for bus detection
 - Han Strijdom Avenue between Fountain Circle and Buitengragt
- Traffic Signal Design as part of the Inner City 2010 Transport Projects (2010)
 - Waterkant with Long, Loop & Bree Streets
 - Buitengragt pedestrian/cycle crossing (at Waterkant), incl estimation of design flow for signalised pedestrian crossing and pedestrian bridge as well as investigation into the recommended cycle crossing clearance time calculation formula
 - Lower Burg with Riebeek Street
 - Adderley Street pedestrian/cycle crossing (at Waterkant)
 - Somerset Main Road pedestrian/cycle crossing (at Dixon and Alfred Streets)
 - Main Road with Glengariff Road
 - Adderley Street between Strand and Wale Streets
 - Loop Street Extension pedestrian crossing
 - Shortmarket Street with Long, Loop & Bree Streets

K LIEBENBERG C V SHEET 4

- 2010 FIFA World Cup Host City Transport Operations Plan (2010)
 - Preparation of a Transport Plan for People with Disabilities
 - Regular workshops with the disability sector, as part of the development of the Transport Plan
- Special Needs Passenger Project for the SARCC (2008)
 - Workshop the draft SARCC policy “Special Needs Passengers : policy for Commuter Rail in South Africa” with selected stakeholders
 - Preparation of draft Design Guidelines to improve the accessibility of commuter rail in South Africa for Special Needs Passengers
- Public Transport Policy with respect to Special Needs Passengers for the PGWC (2008)
 - Development of a policy with respect to the provision of public transport services to Special Needs Passengers in both the urban and rural areas of the Western Cape Province
- Cape Town International Airport Rail Link (2006)
 - Position Paper on the feasibility of a Cape Town International Airport Rail Link by 2010 and beyond
- Somerset Hospital/City Hospital Precinct Re-development (2006)
 - Transportation input to development framework
 - Transport impact assessment

2000 to 2006 **GIBB** – Civil Engineer

Major projects included:

- Somerset Square Transport Impact Assessment (2005)
- Pedestrian Safety Implementation Plan (2005)
 - Development of a strategic plan for the City of Cape Town to improve pedestrian safety
 - Development of an implementation plan and associated multi-disciplinary projects, budgets and prioritisation to improve pedestrian safety within the City of Cape Town
- Special Needs Passengers : policy for commuter rail in South Africa (2004)
 - Status quo assessments
 - Regional implementation plans
 - Filming of the “Barriers encountered in a journey by commuter rail” video to raise awareness of the SARCC Board of Directors
- Garden Route Mall, George Transport Impact Assessment (2004)
- Dial-a-Ride (demand responsive accessible public transport service) (2004)
 - Establishment of a registration process and investigation of fare structure and policy
 - Ongoing technical and budget related input
- Inner City Public Transport System (2003)
 - Design of Cape Town’s Inner City Bus Service and related projects
- Athlone Stadium/Kewtown Precinct (2001)
 - Traffic impact assessment and traffic management plan
 - Traffic signal design

K LIEBENBERG C V SHEET 5

- R27 Road Safety Audit of a 12km road section (2001)
- Kromboom Parkway (M5) capacity analysis and improvement scenario's (2000)
- Demonstration Projects (2000)
 - Passenger information system final report
 - Position paper on bus exhaust emissions
- Westlake (2000)
 - Cost sharing approach and phasing plan
 - Traffic signal design
- Longbeach Mall (2000)
 - Cost sharing approach and phasing plan (road upgrades)
 - Traffic signal design
- Racecourse Road Traffic Signal Design

1997 to 1999 **GIBB Africa** - Civil Engineer

Major projects include:

- Assistant Resident Engineer, Westlake (1999 – 2000)
- Old Paarl Road Access Management Plan (1999)
 -
- Mangaung and Bloemfontein East transport plan and EMME/2 modelling (1999)
 -
- Racecourse Road Traffic Study (1998)
- Implementation of Demonstration Project (1997)
 - Identification of security requirements at public transport interchanges
- Technical Assistance to Provincial Administration Western Cape (1997)
 - Compiling of a data base to all relevant delegations pertaining to the Department of Transport and Public Works: Western Cape
- Westlake Traffic Impact Assessment (1997)

Publications

K Liebenberg and K Garrod : Alleviation of the Pedestrian Safety Crisis in the City of Cape Town Southern African Transport Conference, Pretoria, 2005

J Stanbury and K Dempers : Public Transport in South Africa – Is it becoming more accessible? 11th International Mobility Conference, Stellenbosch, South Africa, 2003

K LIEBENBERG C V SHEET 6

Language capability

	Speaking	Reading	Writing
Afrikaans	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

Signature

Date
