

**Ebrahiem Jacobs**

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**Personal Details**

- POSITION: Head Surveyor Supervisor
- NAME OF FIRM: Motion Consulting Engineers (Pty) Ltd
- SPECIALISATION: Transport surveys
- DATE OF BIRTH: 17 June 1996
- NATIONALITY: South African
- YEARS EXPERIENCE: 6

**Professional Profile**

Ebrahiem Jacobs is a lead surveyor with 6 years of experience, specializing in transport surveys, traffic engineering, and planning.

Key experience includes:

- Transport surveys
  - Classified Intersection/link counts
  - Pedestrian and cyclist counts
  - Speed surveys
  - Queue length surveys
  - Parking surveys
  - Public transport occupancy counts
- Traffic Impact Assessments
- Traffic Impact Studies
- Site Traffic Assessments
- Parking studies and analysis

**Education**

- Grade 12: Spine Road High School (2014)

**Courses**

- Microsoft Excel – Excel from Beginner to Advanced 2023

<b>Work History</b>	<p><b>From:</b> May 2021 to date  <b>Employer:</b> Motion Consulting Engineers (Pty) Ltd  <b>Position held:</b> Junior Transport Survey Specialist</p> <p><b>From:</b> 2018 to April 2021  <b>Employer:</b> TF Traffic &amp; Transport Solutions  <b>Position held:</b> Surveyor / Supervisor</p>
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<b>Key Experience</b>	<p><b>PROJECT HISTORY</b></p> <p>I have completed over 190 transport-related surveys since 2018, recently completed several transport impact studies, and assisted in transport planning projects.</p> <p>Due to the many surveys completed, I have not detailed every single one, but have provided details on a selection to show the extent of my experience since 2018. The full list is available on request.</p> <p><b><u>SURVEY PROJECTS</u></b></p> <p><b>PROJECT NAME:</b> TRANSPORTATION SURVEY</p> <p><b>START DATE:</b> 01/02/2018</p> <p><b>END DATE:</b> Ongoing</p> <p><b>CLIENT:</b> Available upon request</p> <p><b>SUMMARY:</b> Transport Survey Services</p> <p><b>PROJECT NAME:</b> PROFESSIONAL SERVICES IN RESPECT OF INTEGRATED PUBLIC TRANSPORT SERVICES: INDUSTRY TRANSITION AND TRANSFORMATION</p> <p><b>START DATE:</b> 01/07/2022</p> <p><b>END DATE:</b> Current</p> <p><b>CLIENT:</b> Pegasys (for City of Cape Town)</p> <p><b>SUMMARY:</b> Public transport survey design and data collection specialist</p> <ul style="list-style-type: none"> <li>▪ Identifying the effectiveness of GABS and MBT routes for MyCiTi Phase 2A</li> <li>▪ Determining the total number of unique operators/operating licenses per Region per Association</li> <li>▪ Identifying MBT operators who are eligible for shares based on their route description</li> <li>▪ Generating of route maps on QGIS</li> <li>▪ Survey design (drafting the scope of works for the survey plan)</li> <li>▪ Generating an operators list who are eligible for participation in Phase 2A per Region per Association</li> <li>▪ Determining the market share</li> </ul>
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- Data review
- Updating of data

### **HOUSING PROJECTS**

**PROJECT NAME:** GRASSY PARK HUMAN SETTLEMENT DEVELOPMENT

**START DATE:** 01/08/2023

**END DATE:** Ongoing

**CLIENT:** Planning Partners (Pty) Ltd on behalf of WCG

**SUMMARY:** Redevelopment of a derelict school into a temporary housing

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Preparation of report

**PROJECT NAME:** BROOKLYN LOW-COST HOUSING DEVELOPMENT

**START DATE:** 01/03/2023

**END DATE:** 01/04/2023

**CLIENT:** Bergstan South Africa (Pty) Ltd

**SUMMARY:** Proposed Low-cost housing development in Brooklyn.

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Capacity analysis assessment
- Preparation of report

**PROJECT NAME:** PAROW SOCIAL HOUSING DEVELOPMENT

**START DATE:** 01/12/2020

**END DATE:** 01/05/2022

**CLIENT:** Van Zyl & Associates (for City of Cape Town)

**SUMMARY:** Planning for affordable housing in the Parow area

- Establishing access opportunities to sites
- Project meetings
- Conduct transport status quo study
- Transport impact scoping study report

### **TRAFFIC IMPACT STATEMENTS**

**PROJECT NAME:** NETTLETON ROAD TRAFFIC ENGINEERING STUDY

**START DATE:** 01/04/2023

**END DATE:** 01/08/2023

**CLIENT:** OVERVUE (Pty) Ltd

**SUMMARY:** Traffic Engineering Study to investigate patterns and sources of traffic along Nettleton Road, Clifton.

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Coordination of traffic surveys
- Capacity analysis assessment
- Preparation of TIS report

**PROJECT NAME:** ARTEM CENTRE TRAFFIC IMPACT STATEMENT

**START DATE:** 01/04/2022

**END DATE:** 01/07/2022

**CLIENT:** Zeus Property Company

**SUMMARY:** Proposed reduction to the existing area

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Coordination of traffic survey and queue length survey
- Preparation of TIS report

**PROJECT NAME:** Erf 14 KNOLE PARK TRAFFIC IMPACT STATEMENT

**START DATE:** 01/12/2021

**END DATE:** 01/04/2022

**CLIENT:** Beltic Investments (Pty) Ltd

**SUMMARY:** Proposed development of a 114-unit residential complex at Erf 14, Knole Park Phillipi.

- Site Visit to measure sight distances, access spacing, CWC width etc.
- Coordination of traffic survey
- Preparation of TIS report

**PROJECT NAME:** FARM 787, WELTEVREDEN VALLEY TRAFFIC IMPACT STATEMENT

**START DATE:** 01/06/2022

**END DATE:** 01/07/2022

**CLIENT:** PRIVATE

**SUMMARY:** Proposed mixed-use development of farm 787

- Site Visit to measure sight distances, access spacing, CWC width etc.
- Preparation of TIS report

**PROJECT NAME:** KINKLE WAY TRAFFIC IMPACT STATEMENT

**START DATE:** 01/11/2021

**END DATE:** 01/01/2022

**CLIENT:** Dragonfly Property Developments (Pty) Ltd

**SUMMARY:** Proposed residential development of Erf 55760, 57246, 55703, 55767, and 55702 Newlands

- Site Visit to measure sight distances, access spacing, CWC width etc.
- Preparation of TIS report

**PROJECT NAME:** DIXTON ROAD TRAFFIC IMPACT STATEMENT

**START DATE:** 01/08/2021

**END DATE:** 01/09/2021

**CLIENT:** Shofar Cape Town

**SUMMARY:** Proposed development at Erf 28173 2 Dixton Road, Observatory.

- Site Visit to measure sight distances, access spacing, CWC width etc.
- Coordination of traffic survey
- Preparation of TIS report

**PROJECT NAME:** Erf 142212 WOODSTOCK TRAFFIC IMPACT STATEMENT

**START DATE:** 01/07/2021

**END DATE:** 01/11/2021

**CLIENT:** Moisol Investments (Pty) Ltd

**SUMMARY:** Proposed development of Erf 142212, Woodstock

- Site Visit to measure sight distances, access spacing, CWC width etc.
- Coordination of traffic survey
- Preparation of TIS report

**PROJECT NAME:** 50 OLIENHOUT AVENUE TRAFFIC IMPACT STATEMENT

**START DATE:** 01/05/2021

**END DATE:** 01/12/2021

**CLIENT:** FPG Group

**SUMMARY:** Proposed housing development on Erf 20907 at 50 Olienhout Avenue, Platteklouf

- Site Visit to measure sight distances, access spacing, CWC width etc.
- Coordination of traffic survey
- Preparation of TIS report
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**TRAFFIC IMPACT ASSESSMENT**

**PROJECT NAME:** KLAPMUTS PRIMARY & HIGH SCHOOL

**START DATE:** 01/09/2023

**END DATE:** 01/11/2023

**CLIENT:** JG Afrika (Pty) Ltd

**SUMMARY:** Proposed Primary and High school in Klapmuts.

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Coordination of traffic survey
- Preparation of TIA report

**PROJECT NAME:** KOMMETJIE CHRISTIAN CHURCH

**START DATE:** 01/03/2023

**END DATE:** 01/07/2023

**CLIENT:** Kommetjie Christian Church

**SUMMARY:** Proposed Kommetjie Christian Church Development in Fish Hoek.

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Coordination of traffic survey
- Preparation of TIA report

**PROJECT NAME:** MUTUAL PARK TRAFFIC IMPACT ASSESSMENT

**START DATE:** 01/10/2022

**END DATE:** 01/04/2023

**CLIENT:** Neil Schwartz Town Planning (Pty) Ltd

**SUMMARY:** Mutual Park Development in Pinelands.

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Coordination of traffic survey
- Preparation of TIA report

**PROJECT NAME:** STANHOPE RESIDENTIAL DEVELOPMENT TRAFFIC IMPACT ASSESSMENT

**START DATE:** 01/01/2022

**END DATE:** 01/12/2022

**CLIENT:** Aria Property Group Proprietary Limited

**SUMMARY:** Proposed residential development at Erf 169815 in Claremont.

- Coordination of traffic survey

**PROJECT NAME:** CONSTANTIA VILLAGE

**START DATE:** 01/05/2022

**END DATE:** 01/06/2022

**CLIENT:** Growthpoint Properties

**SUMMARY:** Assist with the proposed expansion of the Constantia Village shopping centre

- Site visit to measure sight distances, access spacing, CWC width, etc.
- Coordination of traffic surveys
- Preparation of report

**PROJECT NAME:** BAY ACADEMY EXPANSION

**START DATE:** 01/09/2022

**END DATE:** 01/11/2022

**CLIENT:** Atari Property Investments (Pty) Ltd

**SUMMARY:** Expansion of The Bay Academy

- Site visit to measure sight distances, access spacing, CWC width, etc.
- Coordination of traffic survey
- Preparation of report

**PROJECT NAME:** SPIRIT REVELATION CHURCH TRAFFIC IMPACT ASSESSMENT

**START DATE:** 01/10/2021

**END DATE:** 01/11/2021

**CLIENT:** Spirit Revelation Church

**SUMMARY:** Assist with the regularizing of the existing church at Erf 169890, Maitland.

- Site Visit to measure sight distances, access spacing, CWC width etc.
- Coordination of traffic survey
- Preparation of report

**PROJECT NAME:** MILNERTON HIGH-LEVEL TRAFFIC IMPACT ASSESSMENT

**START DATE:** 01/09/2021

**END DATE:** 01/11/2021

**CLIENT:** Herculine Becker

**SUMMARY:** Preparation of a TIA to support a high-level transport impact assessment for the hypothetical scenario.

- Site Visit to measure sight distances, access spacing, CWC width etc.
- Coordination of traffic survey
- Preparation of report

**PROJECT NAME:** LONGBEACH MALL TRANSPORT IMPACT ASSESSMENT

**START DATE:** 01/01/2019

**END DATE:** 01/03/2019

**CLIENT:** GIBB Engineering and Architecture

**SUMMARY:** Transport impact assessment and parking study

- Planning and coordination of parking utilization surveys at various hardware stores
- Analysis of survey data to determine bespoke parking ratio for hardware stores

**SITE TRAFFIC ASSESSMENT**

**PROJECT NAME:** GIE ROAD PRIVATE SCHOOL SITE TRAFFIC ASSESSMENT

**START DATE:** 01/03/2023

**END DATE:** 01/09/2023

**CLIENT:** Urban Eye Planning and Development (Pty) Ltd

**SUMMARY:** Proposed private school development in Parklands.

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Capacity analysis assessment
- Preparation of report

**PROJECT NAME:** THE ANDROS BOUTIQUE HOTEL SITE TRAFFIC ASSESSMENT

**START DATE:** 01/10/2022

**END DATE:** 01/01/2023

**CLIENT:** Andros Hotel

**SUMMARY:** Proposed expansion of The Andros Boutique Hotel at 6 Paradise View Road, Claremont.

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Preparation of report

**PROJECT NAME:** RAVENS CRAIG STUDENT ACCOMMODATION SITE TRAFFIC ASSESSMENT

**START DATE:** 01/03/2021

**END DATE:** 01/04/2022

**CLIENT:** Adowa Property Developer's

**SUMMARY:** Proposed development of a 453-unit student housing at Erf 177344, 14 Ravenscraig Road, Woodstock.

- Site Visit to measure sight distances, access spacing, CWC width etc.



- Coordination of traffic survey
- Preparation of report

**PROJECT NAME:** ELFINDALE SITE TRAFFIC ASSESSMENT

**START DATE:** 01/03/2022

**END DATE:** 01/04/2022

**CLIENT:** Belfic Investments (Pty) Ltd

**SUMMARY:** Proposed development of a 45-unit housing development at Erf 81163,64 and 65 Elfindale.

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Preparation of report

**PROJECT NAME:** 48 NEW CHURCH STREET SITE TRAFFIC ASSESSMENT

**START DATE:** 01/03/2022

**END DATE:** 01/06/2022

**CLIENT:** Uptown Motors Trust

**SUMMARY:** Proposed development of a 100-unit apartment block at Erf 4135,48 Church Street, Gardens.

- Site Visit to measure sight distances, access spacing, CWC width, etc.
- Preparation of STA report

**PROJECT NAME:** STOR-AGE BYRANSTON SITE TRAFFIC ASSESSMENT

**START DATE:** 01/07/2021

**END DATE:** 01/09/2021

**CLIENT:** Stor-Age Property REIT Limited (Pty) Ltd

**SUMMARY:** Proposed development of a storage facility in Bryanston, Johannesburg.

- Site Visit to measure sight distances, access spacing, CWC width etc
- Preparation of report

**PROJECT NAME:** 24 KILDARE ROAD SITE TRAFFIC ASSESSMENT AND PARKING DEPARTURE STUDY

**START DATE:** 01/06/2021

**END DATE:** 01/07/2021

**CLIENT:** CEDAR TREE PROPERTIES (PTY) LTD

**SUMMARY:** Proposed development on Erf 48642 Newlands, 24 Kildare Road.

- Site Visit to measure sight distances, access spacing, CWC width, etc.

- Preparation of STA report

**PROJECT NAME:** NOORDHOEK VETERINARY CLINIC SITE TRAFFIC ASSESSMENT

**START DATE:** 01/11/2020

**END DATE:** 01/12/2020

**CLIENT:** Noordhoek Veterinary Clinic (Pty) Ltd

**SUMMARY:** Formalisation of the veterinary clinic

- Site visit to measure sight distances, access spacing, identify pedestrian desire lines, traffic issues, etc.
- Preparation of STA report

**PROJECT NAME:** MyCiTi PLANNING / OPERATIONS

**START DATE:** 01/01/2018

**END DATE:** 01/03/2021

**CLIENT:** Sigma Six

**SUMMARY:** MBT demand and routes

- Recording the number of passengers boarding and alighting at various stops
- Identifying stop locations

**PROJECT NAME:** NYANGA HOSTELS DEVELOPMENT FRAMEWORK

**START DATE:** 01/07/2020

**END DATE:** 01/01/2021

**CLIENT:** Motion Consulting Engineers (Pty) Ltd

**SUMMARY:** Redevelopment of hostels in the Nyanga Area

- Site visit to identify pedestrian desire lines, traffic issues
- Analysis of MBT and Golden Arrow route information to understand public transport provision in the area

**PROJECT NAME:** BACKPACKERS TRAVEL SURVEY

**START DATE:** 01/04/2019

**END DATE:** 01/07/2019

**CLIENT:** Kantey & Templer Consulting Engineers

**SUMMARY:** Investigation into the travel behaviors of backpackers

- Identifying modes of transport used by backpackers renting at various backpacker's lodges in Cape Town
- Analysis of survey data to determine the modal split

	<p><b>PROJECT NAME:</b> SWARTLAND NON-MOTORISED TRANSPORT MASTER PLAN</p> <p><b>START DATE:</b> 01/10/2019</p> <p><b>END DATE:</b> 01/12/2019</p> <p><b>CLIENT:</b> GIBB Engineering and Architecture</p> <p><b>SUMMARY:</b> Development of a non-motorized transport master plan for the Swartland local municipality</p> <ul style="list-style-type: none"> <li>▪ Coordination of pedestrian and cyclist counts</li> <li>▪ Field observations of pedestrian and cyclist activity desire lines</li> <li>▪ Field observation reports: analysis of survey data and written report summarizing results and observations</li> </ul> <p><b>PROJECT NAME:</b> STELLENBOSCH TRANSPORT PLAN</p> <p><b>START DATE:</b> 01/10/2018</p> <p><b>END DATE:</b> 01/11/2018</p> <p><b>CLIENT:</b> SMEC</p> <p><b>SUMMARY:</b> Development of road classification and non-motorized transport plan for the Stellenbosch municipality</p> <ul style="list-style-type: none"> <li>▪ Coordination of vehicle and pedestrian survey</li> <li>▪ Analysis of survey data and MS Excel reports</li> </ul>
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<b>References</b>	<p><b>Thaabit Falal, NDip and BTech (Civil)</b></p> <ul style="list-style-type: none"> <li>▪ Email: thaabit@motionengineers.co.za</li> <li>▪ Cell: +27 76 107 6081</li> </ul> <p><b>Sergei Kiewiet, BScEng (Civil)</b></p> <ul style="list-style-type: none"> <li>▪ Email: sergei@motionengineers.co.za</li> <li>▪ Cell: +27 84 478 0079</li> </ul>
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