TRANSPORTATION:
Traffic and Transportation Services
Profile

Our background
GIBB is a leading multi-disciplinary engineering consulting firm based in South Africa with 67% Black ownership. The firm has a strong African orientation with a wide geographical footprint on the continent.

The firm has been operating since 1956 and has proven capabilities in delivering world-class projects of any magnitude. GIBB prides itself on delivering high quality projects underpinned by an independently certified ISO 9001 quality system since 1999.

GIBB recognises and appreciates the potential offered by the African continent. Accordingly, GIBB has, over the years, developed an in-depth understanding of the challenges of developing infrastructure in Africa. This has contributed to the firm’s position as the partner of choice for the private sector, state owned enterprises (SOEs) and governments who seek knowledgeable people, with proven experience and the expertise to respond to the numerous infrastructure demands and needs of the continent.

Our experience
GIBB has executed various and complex projects across various sectors and engineering disciplines across many African countries. The firm remains committed to achieving excellence in every project, and is proud to be the firm of choice for the continent’s greatest engineers, who are leading experts in their fields. GIBB’s technical expertise is enhanced through our relationships with various global partners.

GIBB is conscious of the environment in which it operates in and continuously seeks ways to offer sustainable solutions on its projects.

The winning combination of top talent, in-depth industry knowledge, well-earned reputation for excellence and commitment to timeous, within budget delivery ensures that the client is guaranteed ultimate success of every project. GIBB’s long track record of industry awards is a testament of the recognition by our industry peers.

Our service offering
In addition to its traditional service offerings and in line with GIBB’s objectives of providing comprehensive solutions to clients, SVA International, one of Africa’s leading architectural practices has joined forces with the GIBB Group of firms. This has expanded the GIBB offering beyond engineering, to architecture and urban planning.

With offices in all major cities in South Africa and the rest of Africa, SVA’s areas of expertise include retail, hospitality, commercial, health, education and residential.

Our project exposure
The GIBB Group of firms operates across the entire Africa continent and has recently undertaken projects in:
Angola, Botswana, Ghana, Lesotho, Malawi, Mozambique, Namibia, Nigeria, Rwanda, Seychelles, Swaziland, Tanzania, Uganda, Cameroon, DRC, Mauritius, Ethiopia, Senegal, Kenya, Djibouti, Gambia, Zambia and Zimbabwe.

Our markets
The markets GIBB operates in are:
- Transportation
- Freight and Logistics
- Power and Energy
- Water
- Sanitation
- Housing and Community Infrastructure
- Property Developments in retail, hospitality, commercial and residential
- Geotechnical and Tunnelling
- Natural and Built Environment
- Mining Infrastructure
- Health Infrastructure
- Education Facilities
GIBB’s Traffic and Transportation Services Sector provides a comprehensive range of services to both public and private clients that include transport planning, engineering and policy, traffic engineering, transport economics, freight logistics and public transport planning and operations.

Our services include:

- Policy development
- Integrated transport planning
- Concept design
- Feasibility studies
- Business case development
- Detail design
- Contract management
- Concessions, development and management
- Asset condition, assessment and rehabilitation
- Technical advisory services
- Traffic studies
- Traffic safety
- Capacity analysis of intersections and networks
- Pedestrian planning and modelling
- Traffic management
- Traffic signal systems
- Corridor feasibility studies
- Institutions, regulatory and legal frameworks
- Integrated transport plans
- Public transport plans
- Public transport policy development
- Public transport facility feasibility investigations
- Public transport facility, operation, design and maintenance
- Public transport operational design and management
- Integrated Development Plans (IDP) and Spatial Frameworks (SF)
Projects demonstrating GIBB’s Traffic and Transportation Services

PROJECT NAME
Durban Inland Intermodal Terminal and Logistics Hub

CLIENT NAME
ethekwini Municipality and Transnet

LOCATION
Durban, KwaZulu-Natal, South Africa

GIBB responsibilities
Demand and model analysis, identification of bottlenecks, define the logistics network design process, logistics audit review, examine the logistics network alternatives, conduct a logistics location analysis, develop a logistics spatial plan and economic analysis.

PROJECT NAME
Cosmo City – Traffic Impact Study

CLIENT NAME
City of Johannesburg

LOCATION
Johannesburg, Gauteng, South Africa

GIBB responsibilities
Transport planning input, attendance of planning meetings and liaison with authorities, review of relevant studies, policy frameworks and investigation into alternative access proposals and traffic impact assessment report.

PROJECT NAME
Gauteng 25 year Integrated Transport Master Plan (GITMP25)

CLIENT NAME
Gauteng Department of Roads and Transport

LOCATION
Gauteng, South Africa

GIBB responsibilities
GIBB formed part of a consortium that developed a long term integrated transport plan that would serve as a framework for the province’s transport investments and interventions. GIBB was responsible for updating and revising the existing provincial EMME/4 demand model to improve the public transport and modal split component and to add a freight demand matrix.

PROJECT NAME
Operational Support for Phase 0, Phase 1 and Phase 2 of IRT – MyCiTi Bus Service

CLIENT NAME
City of Cape Town

LOCATION
Cape Town, Western Cape, South Africa

GIBB responsibilities
GIBB was appointed to assist the City of Cape Town to provide overall operational support for the City's initial and subsequent phases of the Integrated Rapid Transit system, launched during May 2011. GIBB, as part of a joint venture, was appointed to assist in the roll out of operations of the service.
PROJECT NAME
Nasrec and Inner City Bus Rapid Transit (BRT) Link

CLIENT NAME
Johannesburg Development Agency (JDA) on behalf of City of Johannesburg

LOCATION
Soweto to Nasrec and Central Business District (CBD), South Africa

GIBB responsibilities
Planning of public transport operations, design of bus rapid transit infrastructure, design of dedicated bus lanes, traffic engineering and World Cup 2010 transport planning.

PROJECT NAME
Rea Vaya Phase 1C Sustainability and Business Plan

CLIENT NAME
City of Johannesburg Transportation

LOCATION
Johannesburg, Gauteng, South Africa

GIBB responsibilities
GIBB was appointed to assess the sustainability of BRT, LRT, SPTN and other alternatives for implementation on the Louis Botha corridor, and development of a business plan for the selected alternative.

PROJECT NAME
V&A Waterfront Transport Master Plan

CLIENT NAME
V&A Waterfront (Pty) Ltd

LOCATION
Cape Town, Western Cape, South Africa

GIBB responsibilities
The redevelopment of the Victoria & Alfred harbours in the Cape Town Waterfront into a mixed-use city node comprising retail, hotels, entertainment, dining and residential components has been a wonderful success. Master planning of transport, electrical and civil services for future developments. Assessment of various development scenarios and associated impacts.
Traffic and Transportation projects

- Transnet freight hubs
- Loftus public transport upgrade
- CTIA rail link passenger demand study

- City of Cape Town 2010 FIFA World Cup host
- Inner city CoCT non-motorised transport
- Tshwane BRT concept

- District Six development framework transport
- Dial-a-ride services, City of Cape Town
- IRT operational support

- Monorail transport study
- V&A Waterfront Transport Master Plan
- City of Cape Town pedestrian safety study
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