



ALLOTT (NIGERIA) LTD

..... Consulting Engineers

Infrastructure Development Fund.

Client: Federal Ministry of Works.

Location: Ogun State - Nigeria.

Project Size: Estimated £75 Million

Date: 1977- 79

The Nigerian Federal Ministry of Works commissioned Allott (Nigeria) Ltd. in 1976 to undertake the location, survey and detailed design of a new trunk road to link the towns Ijebu Ode, Ile-Ife and Sekona which lie to the north of Lagos and south east of Ibadan. The route over which this roads is to pass is through thick tropical rain forest and is sparsely populated. Access is difficult and the existing dirt roads are impassable in the rainy season.

A suitable route was located from a study of aerial photography and a ground reconnaissance. This was followed by a traverse survey which required a considerable amount of bush clearance and tree felling, using local labour. The results of this topographical survey were forwarded to the firms's Head Office in England where, using the latest computer-aided techniques, the detailed design of the road's alignment was carried out. Other field work included a hydrographical survey and a borehole survey. On completion of the design, the centre line of the new road was staked out by the field team.

The proposed road has a two lane carriageway with bitumous surfacing, a crushed stone base and a laterite subbase. The total length is 140km and there are a total of 13 bridges. The two major structures are the 50m long 6 span bridge over the River Oshun and the 75m long 3 span bridge over the River Shasha. These have in-situ reinforced concrete voided decks supported on reinforced concrete piers. The location of sources of suitable road construction materials was an important part of the design study. The Nigerian Federal Ministry of Works commissioned Allott (Nigeria) Ltd. in 1976 to undertake the location, survey and detailed design of a new trunk road to link the towns Ijebu Ode, Ile-Ife and Sekona which lie to the north of Lagos and south east of Ibadan.

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