



MALIBAMATSO BRIDGE SUPERVISION

Bridge Construction in Lesotho Highlands, Katse Dam

Client: LHDA - Lesotho Highlands Development Authority

SUMMARY:

Value: €16.2 million
Status: Complete 1990
Finance: Southern Africa Development Bank
Contractor: Jeffaires and Green S.A.

Services Provided:

- Design review which led to major changes to allow for concrete creep problems due to inferior concrete aggregate.
- Site Supervision Services with control of quality, measurement and financial issues.
- Contract administration during construction and maintenance phases.
- Preparation of final account and settlement of major claims due to design alterations and remoteness of the site.

Narrative Description of Project:

Construction of 465 metre long high level bridge with 10 spans over the Malibamatso Gorge at a height of 86 metres above the River bed. The bridge was part of the advanced access infrastructure for construction of Phase 1A of the Lesotho Highlands Water Scheme Katse Dam which impounded 1950 million m³ of water over a surface area of 38.5 sq. Km. Construction consisted of R.C. piers cast with slipform shuttering and a precast R.C. box girder superstructure launched.



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