

# REHABILITATION NAIROBI - MOMBASA ROAD

## Facts

### City/Country

Nairobi-Mombasa / Kenya

### Client

Ministry of Roads and Public Works, Nairobi

### Contract Value

€ 84,40 Mio.

### Construction Period

4/2003 - 3/2006 (35 months)

## Project Description

The project entails the rehabilitation and partial realignment of the 131 km section of the Nairobi - Mombasa road (A109) between Sultan Hamud and Mtito Andei plus 5 km service road and 5 trailer parks. The works contain 94 km reconstruction and 37 km new construction. The finished road will have a 7.0 m wide carriageway and two 2.0 m wide shoulders.

### PROJECT DATA:

Site Clearance: 115 ha

Diversion: 93 km

Earthworks cut incl. rock quarries and gravel borrow pits: approx. 3 million m<sup>3</sup>

Earthworks - fill: approx. 1.3 million m<sup>3</sup>

Cement stabilization: 417 928 m<sup>3</sup>

Gravel subbase: 447 500 m<sup>3</sup>

Graded crushed stone base: 204 474 m<sup>3</sup>

Dense bitumen macadam: 228 573 m<sup>3</sup>

Wearing course: 50 975 m<sup>3</sup>

Asphalt: 685 000 to

Single surface dressing: 917 000 m<sup>2</sup>

Double surface dressing: 471 600 m<sup>2</sup>

Bridges - rehabilitation: 11 nos

Concrete incl. of bridges and culverts: 14 400 m<sup>3</sup>

Box culverts: 39 nos

Pipe culverts: 234 nos

Mugoya was sub-contractor for crushing of stones, culverts and 11 bridges (value of works: EUR 15.239 million).

Bridge length (new construction):

Ngabone Bridge (28+500): 40 m

Lurmuti Bridge (44+050): 40 m

Makokani Bridge (110+150): 62 m

Kambu Bridge (116+600): 41 m

Orkaria Bridge (30+150): 40 m

Nzeeka Bridge (108+050): 48 m

Machakua Bridge (111+530): 41 m

Kivuthini Bridge (117+500): 22 m

