

# Road project Tanzania

Rehabilitation of 218 kilometres of road from Iyovi to Mafinga



**AARSLEFF**

In cooperation with Dutch Interbeton b.v., Aarsleff has rehabilitated the 150-kilometre-long road stretch between Iyovi and Iringa in Tanzania in East Africa in the period from 2008 to 2011. In 2011, the contract was extended, and up to August 2013 we are rehabilitating 68 kilometres of trunk road from Iringa to Mafinga. The projects are financed by Danida's mixed credits. The road stretch is part of the Tanzam Highway; 1,000 kilometres from the capital Dar es Salaam to Tunduma on the border to Zambia.

#### **Extensive road rehabilitation**

Our job is to carry out a complete reconstruction of the entire 218-km-long road stretch. We are to reconstruct a 6.7-metre-

wide existing road with shoulders of 1.75 metres on both sides of the road, establish a climbing lane for heavy traffic and carry out bus-bays and lay-bys for police checkpoints. The existing road bed is to be cement-stabilised and will receive a new base course gravel and asphalt surfacing. At the same time, we are extending the road with new layers of base course gravel and asphalt. On a stretch of 22 kilometres, we have to drill and blast the existing rock wall on one side of the road to make room for the extended design.

#### **Renewal of drainage system**

We are to carry out extensive improvements of the drainage system with new concrete box culverts cast in situ and with

precast pipes of DN900 mm and DN600 mm. In addition, we are to renew and extend the existing drainage systems to match the new extended road. Finally, we will establish lined side drains and install steel and concrete guard rails.

The joint venture has established a quarry and produces all stone materials for gravel, concrete and asphalt in-house.

We use our own machinery and equipment for all major construction work. 650 Tanzanians and a number of Danish and Dutch engineers, technicians and foremen are employed during the 58-months construction period.



#### Data

- Rehabilitation of 218 km of trunk road
- 1,025,000 m<sup>3</sup> of earthwork
- 390,000 m<sup>3</sup> of crushed aggregate road base
- 315,000 tons of production and placing of asphalt pavement
- 61 concrete box culverts with 1 or 2 cells
- 5,000 m of DN600 and DN900 mm precast reinforced concrete pipes
- 10,000 m<sup>3</sup> of lined side drains.

#### Client

Tanroads, Tanzania National Roads Agency

#### Type of contract

Main contract

#### Contractor

Aarsleff Interbeton Joint Venture

#### Partner

Interbeton b.v., the Netherlands

#### Construction period

2008-2013

#### Contract value

DKK 857 million

#### Contact

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