

Rehabilitation of Trunk Road 23/03 between PORTERVILLE and PIKETBERG

Background

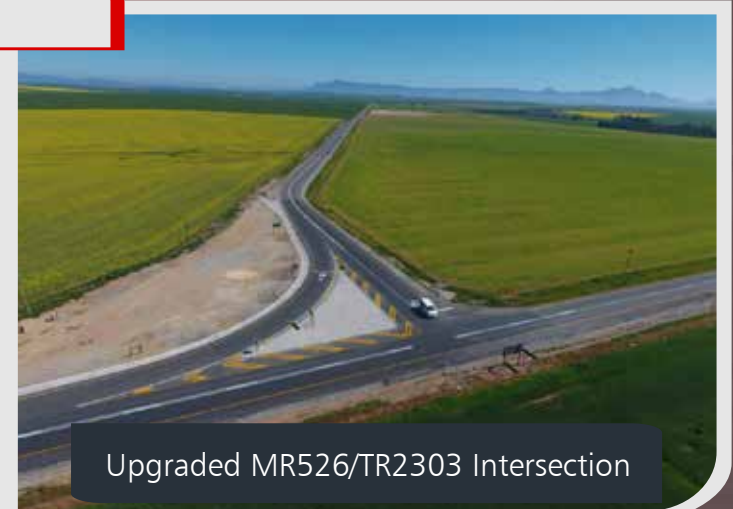


Bridge deck widening

The Western Cape Government, Department of Transport and Public Works, Provincial Roads and Transport Management Branch appointed ILISO Consulting (Pty) Ltd on the 21 June 2006 to provide the consulting services for the detailed design, documentation, tender and construction administration for the rehabilitation of Trunk Road 23 Section 3 (TR23/3) between Porterville and Piketberg.

Location

Trunk Road 23 Section 3 is a single carriageway located on the west coast of the Western Cape Province, within the West Coast District Municipality. Trunk Road 23 extends from Gouda to Piketberg. The portion of Trunk Road 23 consists of approximately 24 km of Section 3 between the towns of Porterville and Piketberg. The town of Porterville is located approximately 140 km north of Cape Town on route R44 on the slopes of the Olifant's River Mountains and is within the Bergriver Local Municipality.



Upgraded MR526/TR2303 Intersection

Scope of Work



Krom River Bridge



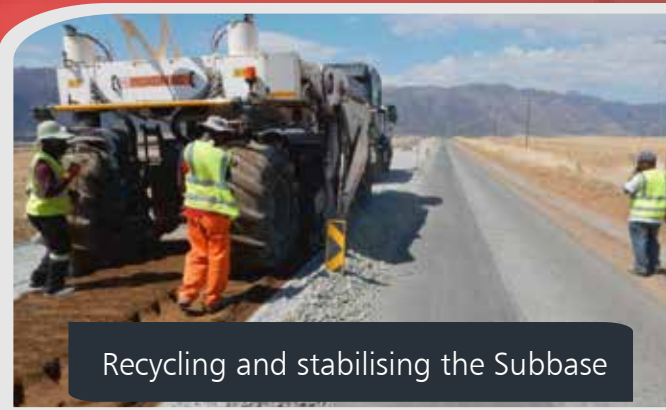
Essenbosch River Bridge

The scope of work involved the rehabilitation and widening of the old TR2303 between Porterville and Piketberg from a cross-section of 6m to a Class 3 (8.6m) standard. Substandard horizontal and vertical curves were improved to meet the requirements for a minimum 80 km/h design speed, where possible.

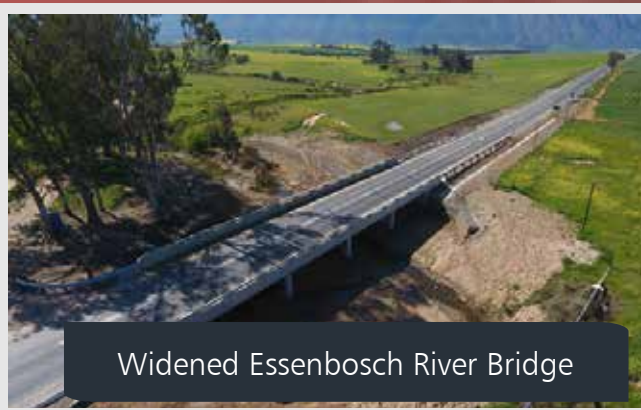
The pavement rehabilitation included widening the road to a Class 3 standard and strengthening the existing pavement by constructing a new 200mm G5 stabilised with cement to a C4 quality subbase, 150mm imported G2 base and a 19mm aggregate and double slurry, "Cape Seal".

Two old bridges (Essenbosch River and Krom River) were widened to a class 2 cross section.

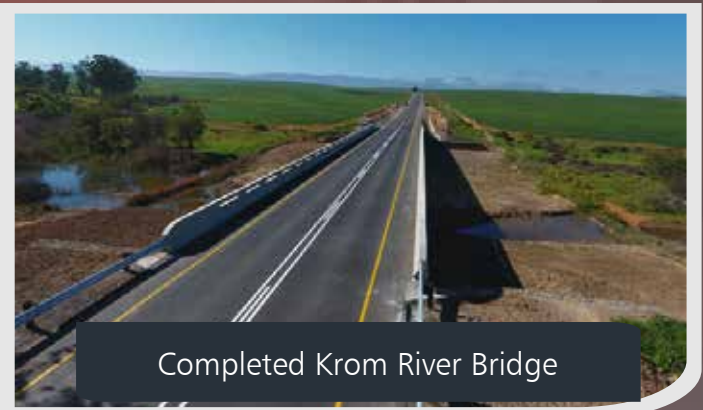
Major and minor culverts were widened to accommodate the class 3 cross section.



Recycling and stabilising the Subbase



Widened Essenbosch River Bridge



Completed Krom River Bridge

Project Data

Client:	Western Cape Provincial Department of Transport and Public Work
Contractor:	Roadmac Surfacing Cape (Pty) Ltd
Consultant:	NAKO ILISO
Contract Value:	R190 million
Contract Start:	November 2016
Completion:	October 2018

Project Team

Meet the team behind the success of the Rehabilitation of Truck Road 23/03 between Porterville and Piketberg. A job well done to the team for successfully completing the project.

Engineer (In terms of GCC):	U. Martz
Engineers Representative (RE):	H. Labuschagne
Assistant Engineer Representative:	C. Diedericks
Assistant Engineer Representative:	R. Katsha
Environmental Consultant (Guillaume Nel):	D. Opperman
Occupational Health & Safety Specialist:	L. Wiese (SWP)
Site Laboratory (Lab Manager):	P. Theunissen (SGS Matrocast)

Construction

Construction activities were restricted within the road reserve which was done in half-width construction to accommodate traffic.