

SANRAL UPDATES RPF






November 2025

Louw Kannemeyer

EASTERN CAPE, N2 WILD COAST, MSIKABA BRIDGE




BUSINESS PILLARS

 Roads Pillar	 Road Safety Pillar	 Stakeholders Pillar	 Mobility Pillar	 Transformation Pillar
<ul style="list-style-type: none"> • Road finance • Planning • Development and maintenance, • Use of innovative technology 	<ul style="list-style-type: none"> • Research • Public awareness and education • Incident Management • Engineering standards • Law enforcement partnerships 	<ul style="list-style-type: none"> • Promotion of SMMEs participation and rural communities • Communication strategies to strengthen partnerships and public engagement 	<ul style="list-style-type: none"> • Improved roads for better, more integrated public transport • Enhanced urban planning and cross-border connections 	<ul style="list-style-type: none"> • SANRAL's efforts to contribute to the growth and transformation of the industry • Enable economic transformation through roads infrastructure development


SANRAL's long-term strategy, **Horizon 2030**, defines five business pillars that serve to integrate its operations and activities across the Agency and deliver different forms of value.

SOUTH AFRICA’S ROAD NETWORK







750,000km SA road network
11th longest in the world




158,124km paved
19th longest in world



79% of SA roads are gravel




131,919km of gravel roads are
unproclaimed*




40% to 60% are in a poor to
very poor condition


AUTHORITY	PAVED (km)	GRAVEL (km)	TOTAL (km)
SANRAL - 1	26,956	522	27,478
Provinces – 9	41,825	225,756	267,581
Metros – 8	51,682	14,461	66,143
Municipalities – 44 District – 226 Local	37,680	219,223	256,903
Total (288)	158,143	459,962	618,105
Estimated total	158,124	591,876	750,000



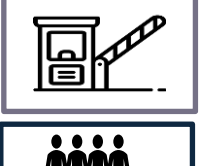
SANRAL 27,478km network
(4,4% of South Africa’s total road
network) – **R780 Billion**



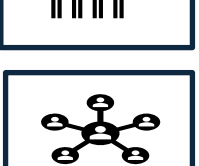
SANRAL Roads Carry **34%** of all
annual vehicle traffic




SANRAL Roads Carry up to **70%**
of all long-distance freight



24,725km (**90 %**) SANRAL roads
funded by a grant from NT



2,753km (**10 %**) toll roads
of which 1,271km is under
concession



Job Creation
Direct employment = 35,594

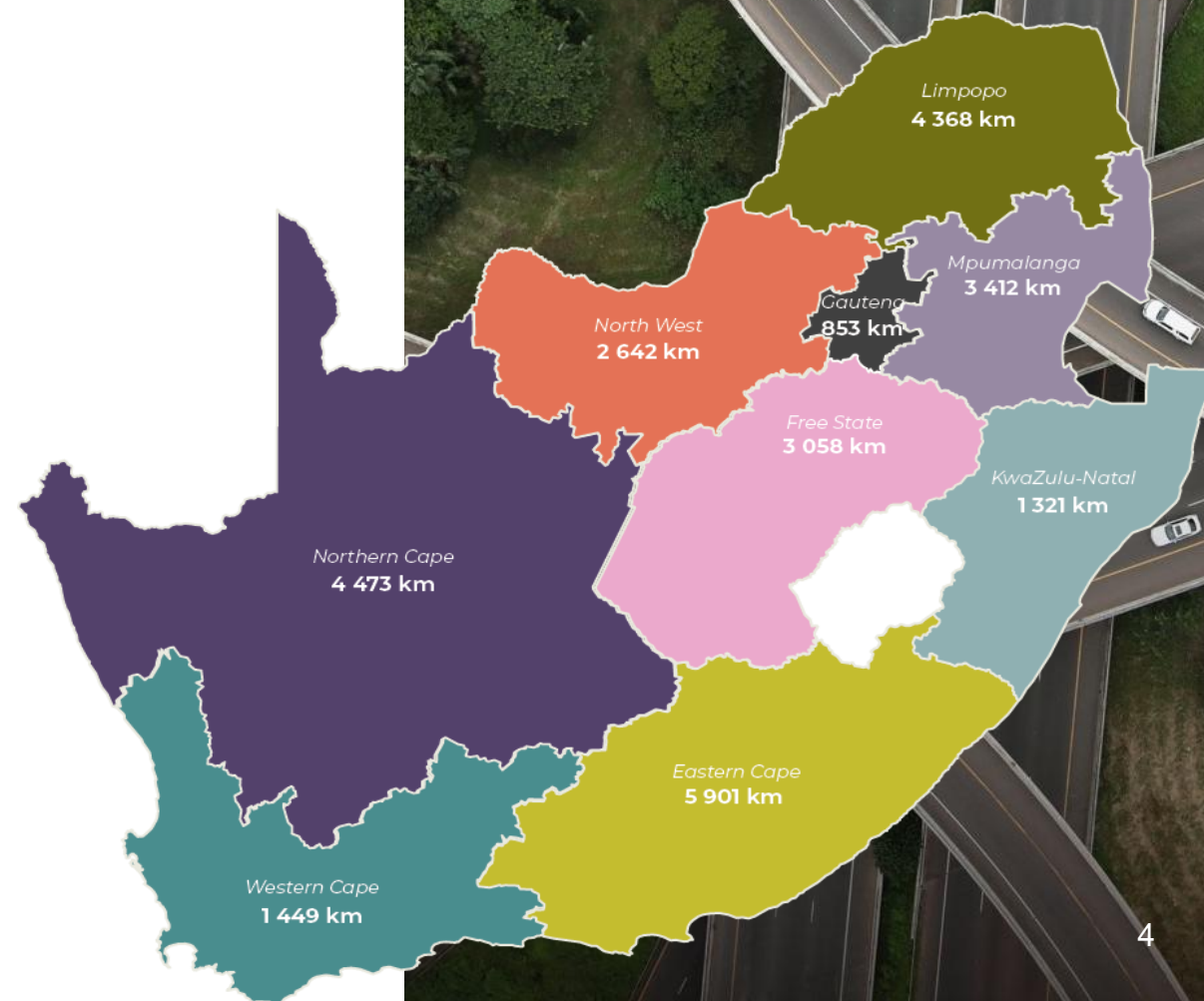
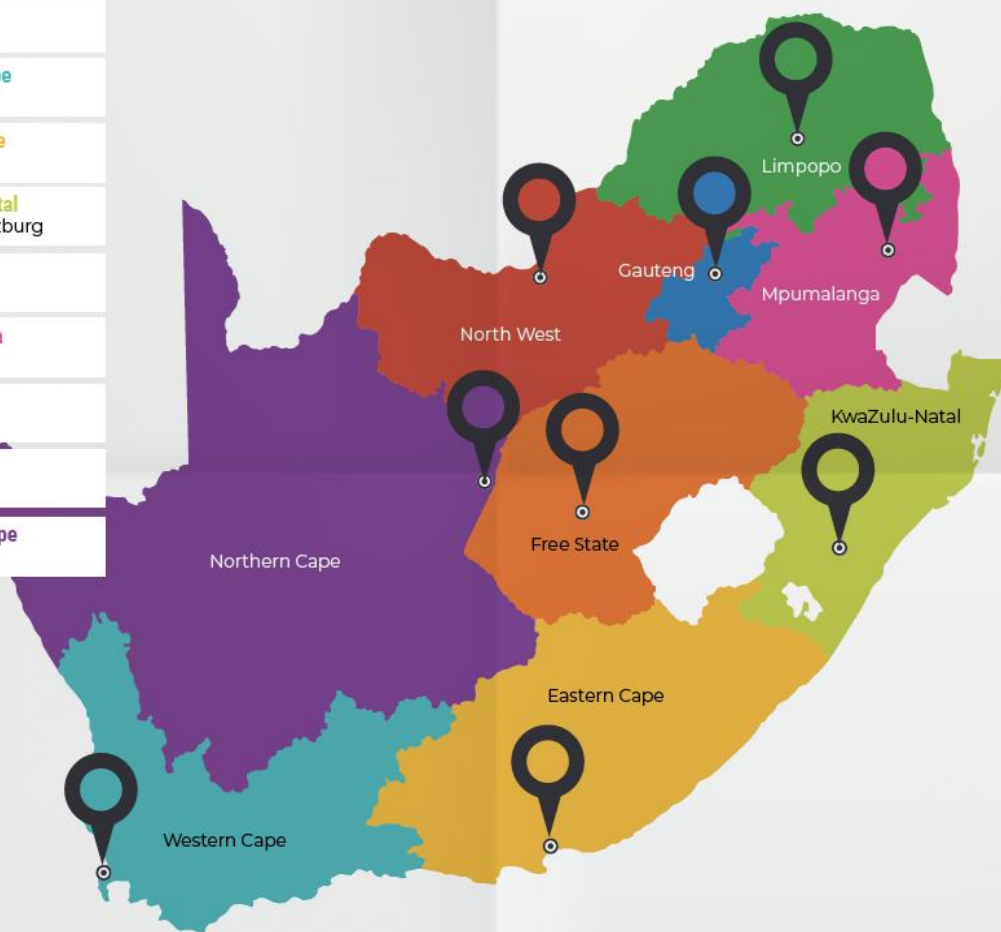
Rural upliftment, SMME support
2,012 SMME

* *Unproclaimed roads* - Public roads not formally gazetted by any authority.

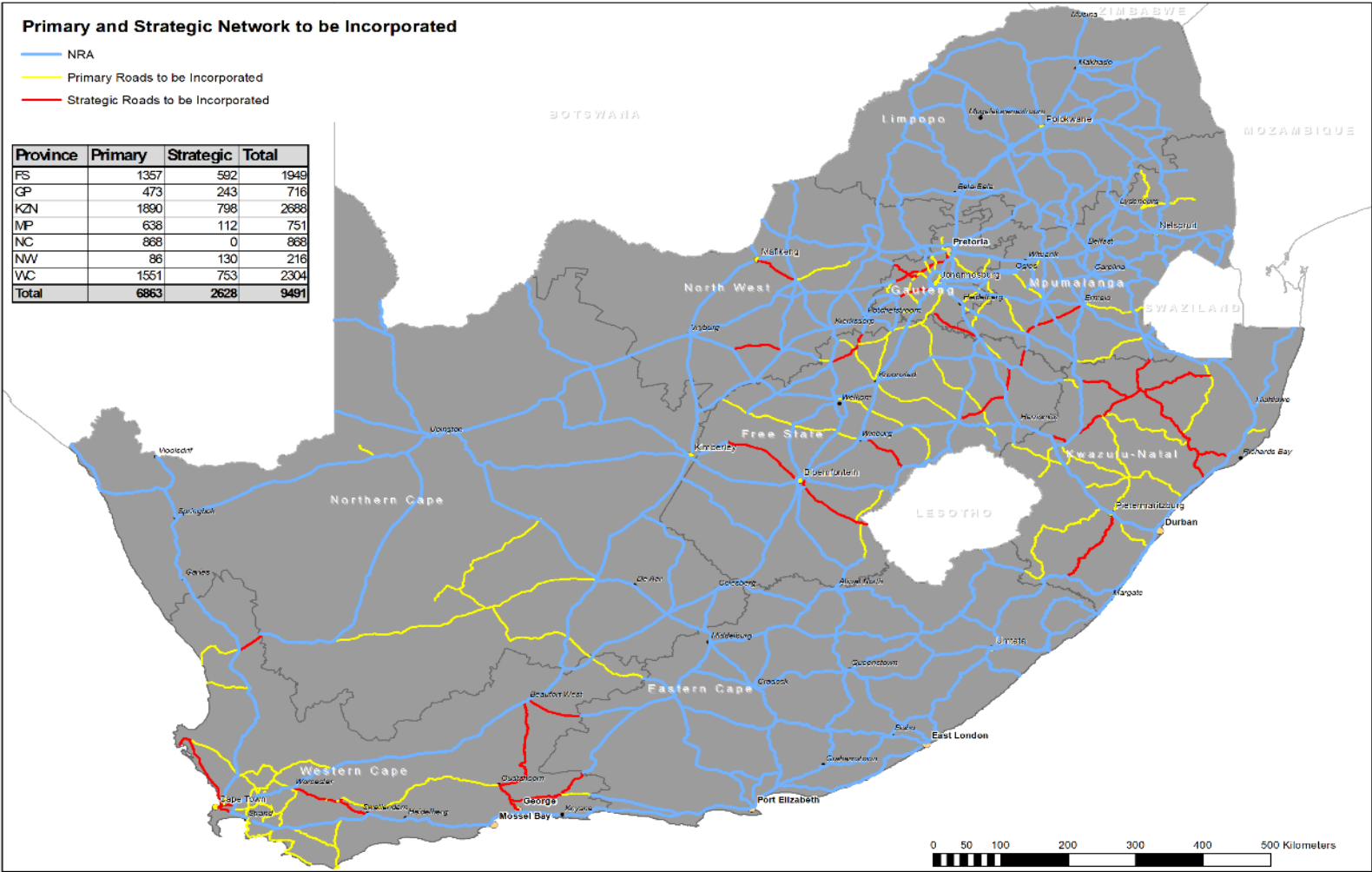
SANRAL PROVINCIAL OFFICES

- *SANRAL to have physical presence in all nine provinces.*
- *Closer to all stakeholders*
- *Initial Focus Routine Road Maintenance, Statuary Control, Procurement, Stakeholder Engagement*

	Gauteng Pretoria
	Western Cape Cape Town
	Eastern Cape Gqeberha
	KwaZulu-Natal Pietermaritzburg
	North West Mahikeng
	Mpumalanga Mbombela
	Limpopo Polokwane
	Free State Mangaung
	Northern Cape Kimberley



STRATEGIC AND PRIMARY NETWORK TRANSFERS (± 35 000 km)

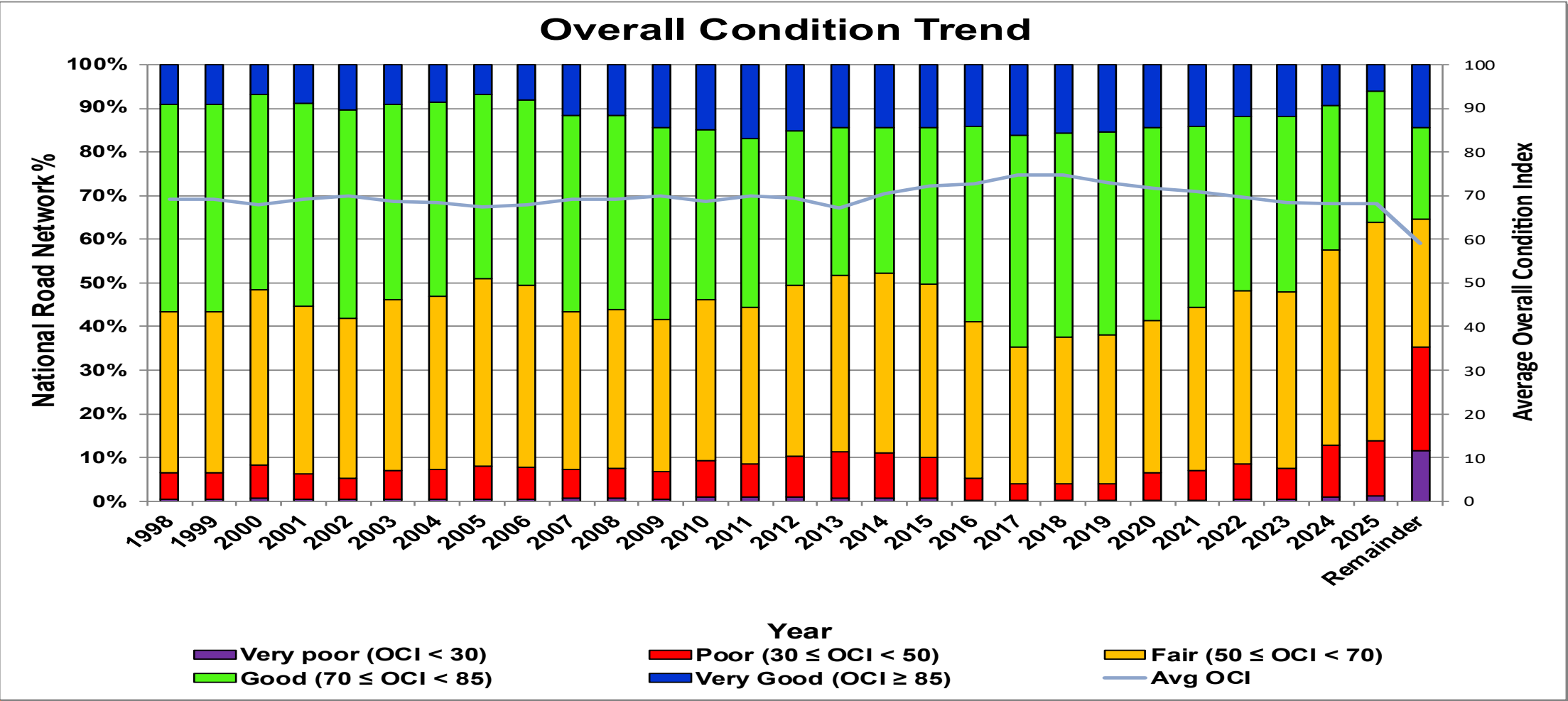


Transfer requests are considered based on the Road Classification System from Road Infrastructure Strategic Framework for South Africa (RISFSA)/COTO TRH26, for transfer to SANRAL must have R1 or R2 classification

Province	Length Requested (km)	Length Meeting Criteria (km)
Eastern Cape	1,649	586 (26/02)
Free State	928	659 (22/11)
Limpopo	1,012	753 (22/11)
Mpumalanga	1,041	940 (22/11)
Northern Cape	61	61 (18/10)
North West	367	367 (26/02)
Total	5,058	3,366

- In 2022/23 SANRAL transferred 330km in August 2022 from Eastern Cape, 953km in November 2022 from Northern Cape and 12km from North West in March 2023.
- In 2023/24 SANRAL transferred 600km from Free State another 219km in March 2024.
- In 2024/25 SANRAL transferred 61 km in October 2024 from Northern Cape, in November 2024 659km from Free State, 753 km from Limpopo and 940 km from Mpumalanga. In February 2025 586 km from Eastern Cape and 367 km from North West.

SANRAL ROAD CONDITION TREND - 2025

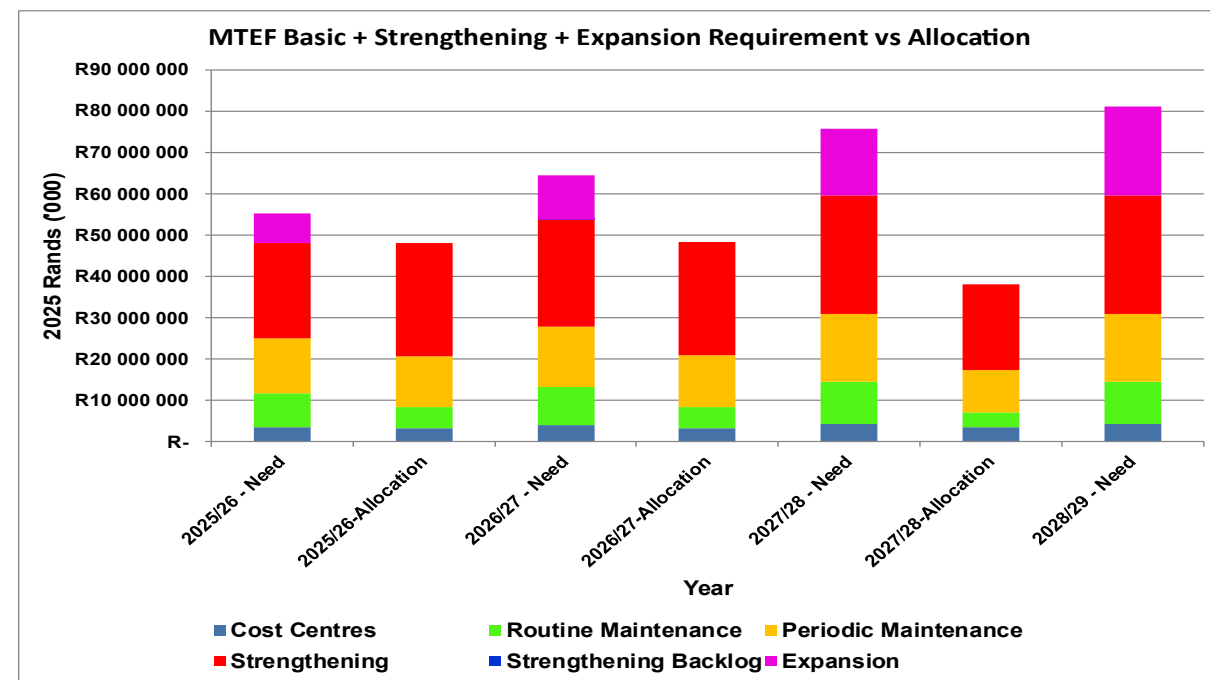


1. Currently 3,440km or 13,9% of SANRAL roads are in poor to very poor surface condition, the international norm for a well-maintained network is 10%. The main contributing reason for this increase is the 3,923km of Provincial roads transferred to SANRAL in the past 2 financial years. The Average OCI of 68.1, is also just below international norm of 70.
2. For existing network largely due to the impact from 2017 PPR that delayed procurement of preventative maintenance projects with associated above normal rainfall.
3. The 2013 condition of remainder of strategic and primary roads under provincial administration is substantially worse (36.2% in poor to very poor), and needs to be addressed as matter of priority due to negative impact on South African economy.

SANRAL NON-TOLL BUDGET REQUIREMENTS

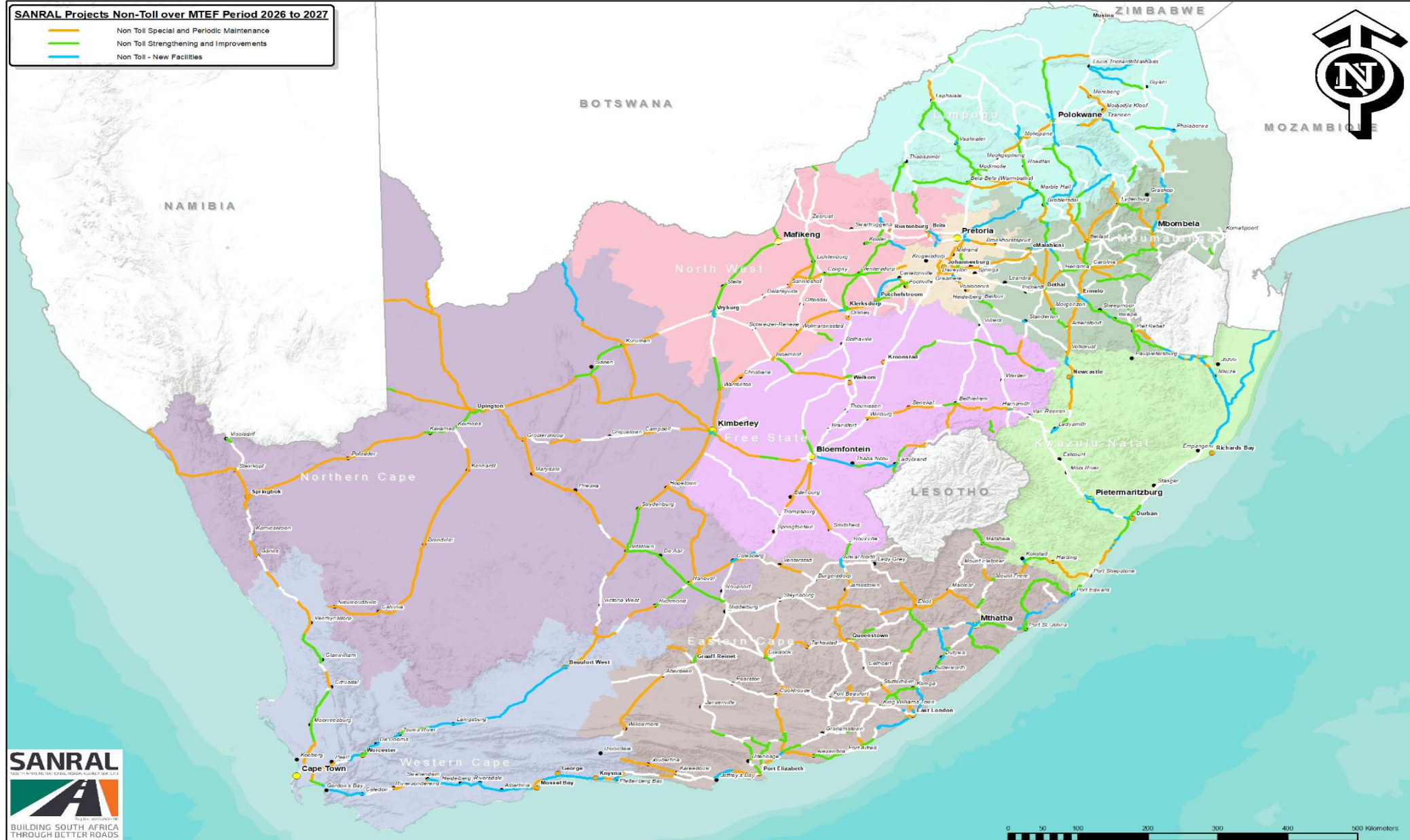
- Routine Operation Cost (i.e. pothole repairs, grass cutting, litter removal, etc) = R 190,779/km/year;
- Periodic Maintenance Cost (i.e. reseal or asphalt overlay) = R 5.596 million / km/ 10 years (10 % of network per year);
- Strengthening Cost = R 23.940 million / km / 25 years (4% of network per year),
- Capacity expansion on key elements of the Road Network amounting to R 216 billion (over 10 years)
- Non-Project Specific Costs (i.e. survey, land acquisition, salaries, etc) = 8 % of required budget.

Project	Initial Capital Costs (R'000 2025R)
N1/N2 Winelands (66 km)	R 7 518 668
N1 Worcester to Laingsburg (179 km)	R 8 272 235
N2 Botrivier to Port Elizabeth (492 km)	R 13 987 760
N2 Wild Coast (Ndwalane to Mtamvuna River) - SIP 3 (113 km)	R 30 202 480
N2 Durban South to North - SIP 2 (49 km)	R 21 297 761
N2 Richards Bay to Ermelo (415 km)	R 51 102 073
N3 Pietermaritzburg to Durban - SIP 2 (87 km)	R 53 012 038
N4/PWV3 extension Pampoen nek (49 km)	R 2 130 450
N12 Johannesburg to Klerksdorp (136 km)	R 3 389 685
N12 Benoni to Witbank (92 km)	R 1 007 388
R72/N2 Port Elizabeth to East London (285 km)	R 7 818 972
R573 Moloto Road - SIP 1 (139 km)	R 16 545 824
TOTAL	R 216 285 334
Per Annum Requirement over 10 years	R 21 628 533

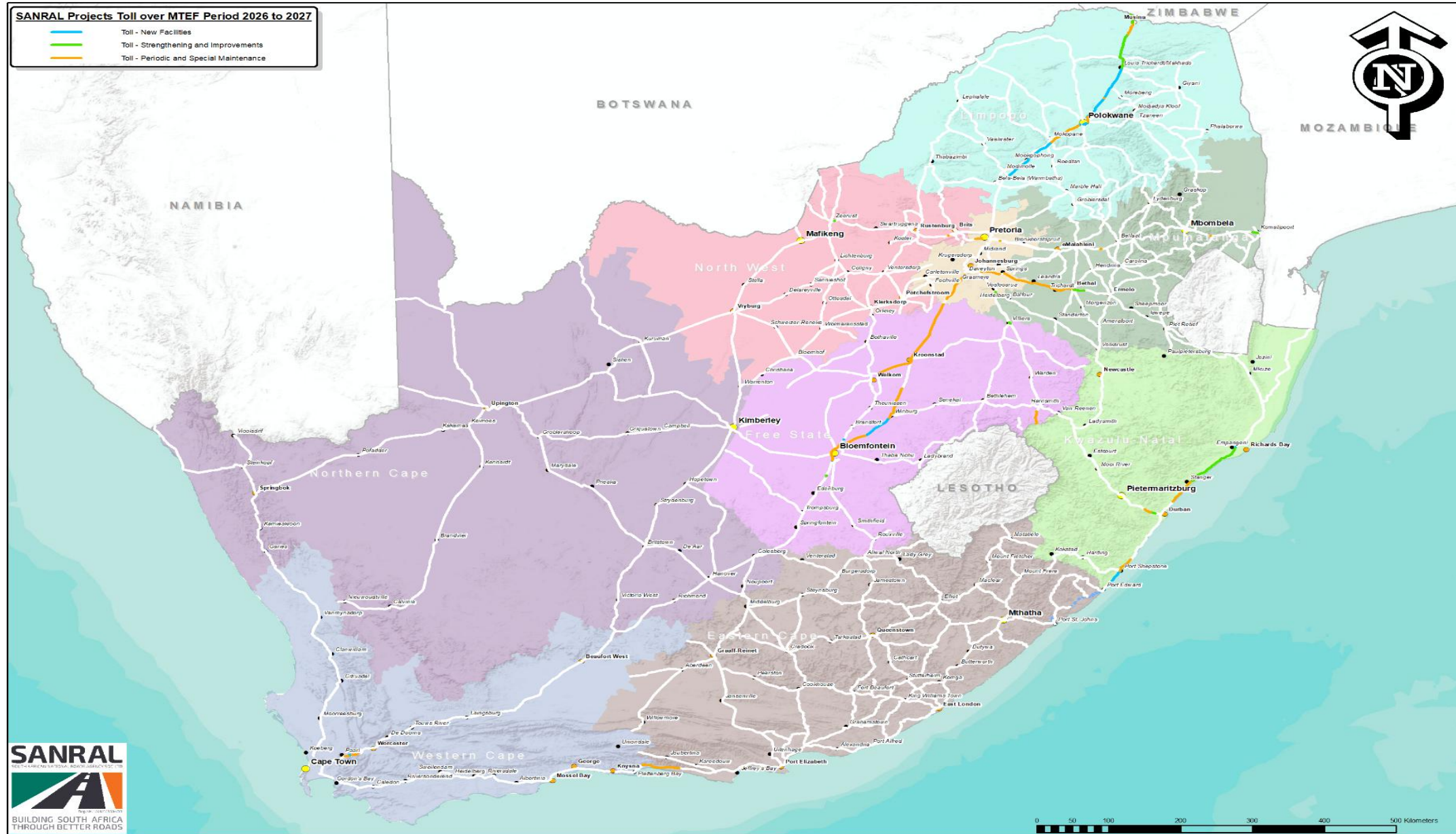


- The current MTEF allocated budget is Not SUFFICIENT to sustain the current SANRAL non toll network (AFTER TRANSFERS) over the MTEF and additional budget allocation is required by SANRAL.
- From MTEF year 3, the MTEF budget is however R43.7 billion lower than the budget required to enable SANRAL to address the current basic requirements, strengthening backlog (Less than 5 years of life) and implement the much-needed capacity expansions required to alleviate congestion on various parts of our national road network.

SANRAL 3-YEAR PROJECT PIPELINE – NON-TOLL

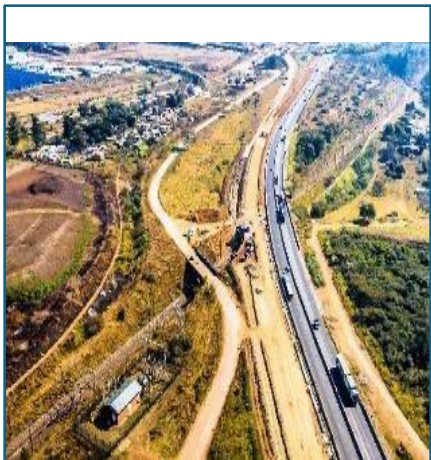


SANRAL 3-YEAR PROJECT PIPELINE – TOLL



SANRAL FLAGSHIP PROJECTS

N2-N3 UPGRADE



The expansion of the N2 and N3 in KwaZulu-Natal:

- 135km of upgrades
- 25 work packages
- 8 work packages in construction

• **Estimate R40 billion**
• **Estimated 17,000 FTE jobs**

R573 MOLOTO ROAD



The upgrade of Moloto Road (R573) Gauteng, Mpumalanga and Limpopo:

- 139km of road improvements
- 17 work packages
- 4 work packages in construction

• **Estimate R11.5 billion**
• **Estimated 6,250 FTE jobs**

N2 WILD COAST



The N2 Wild Coast Road in the Eastern Cape:

- 112km of new greenfield road
- 9 work packages
- 3 work packages in construction

• **Estimate R28.5 billion**
• **Estimated 8,000 FTE jobs**

N2 ERMELO TO RICHARDS BAY

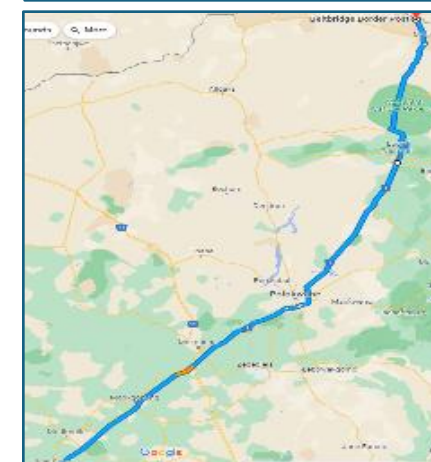


The N2 Richards Bay to Ermelo in KwaZulu-Natal and Mpumalanga:

- 415km of upgrades
- 19 work packages
- 2 work packages in construction tender

• **Estimate R48 billion**
• **Estimated 19,500 FTE jobs**

N1 BELLA BELLA TO BEIT BRIDGE



The N1 Bella Bella to Beitbridge Limpopo:

- 380km of upgrades
- 9 work packages
- 1 work package in construction tender

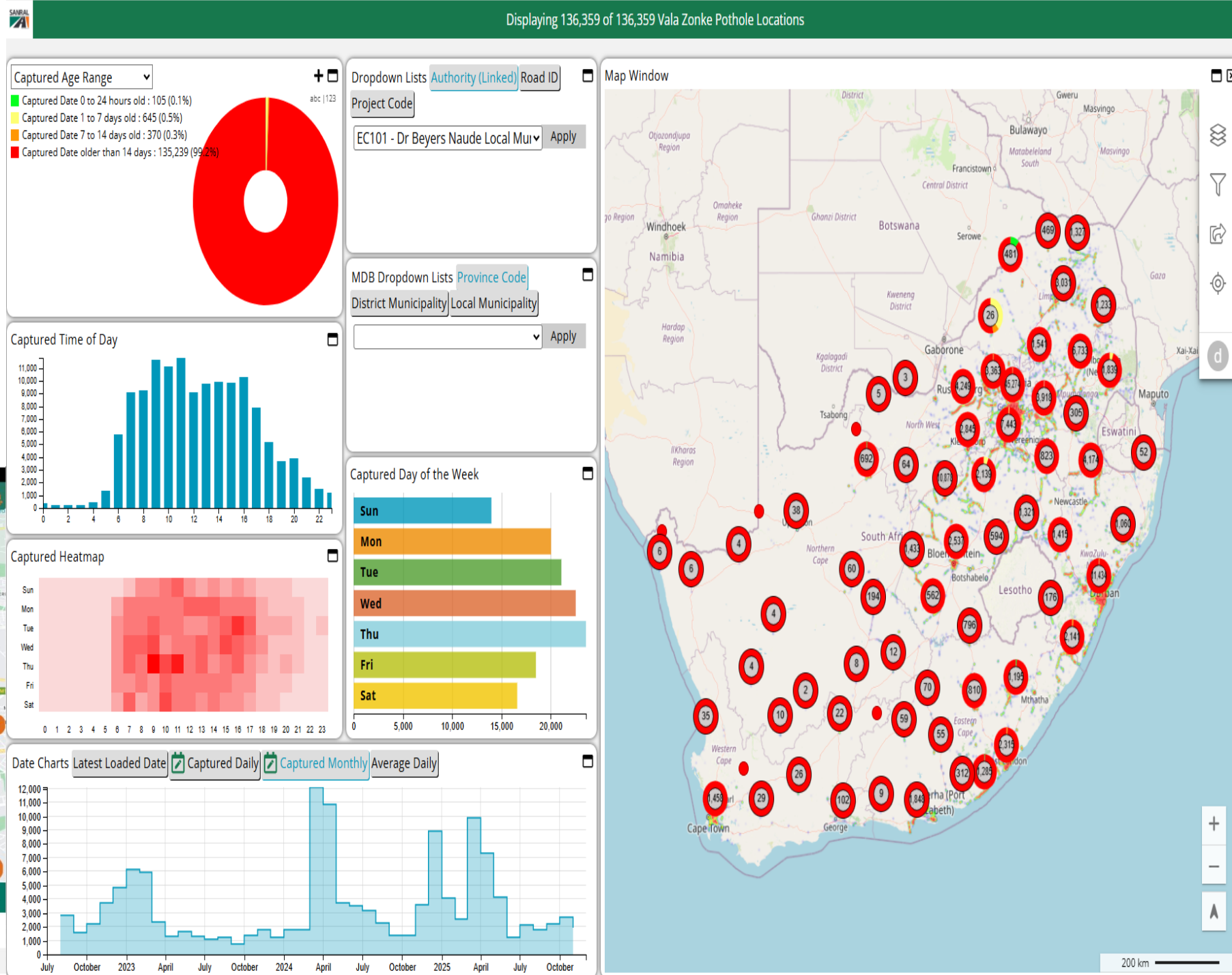
• **Estimate R10.8 billion**
• **Estimated 6,000 FTE jobs**

SANRAL's flagship projects are mostly on the major economic corridors of the country along the N1, N2 and N3 national roads.

Asking the public to assist with reporting of potholes

136359

- Download Valazonke APP from iStore and Playstore, log pothole as you drive.
- Help us to help you.



NATIONAL REFERENCE LABORATORY SANAS ACCREDITATION



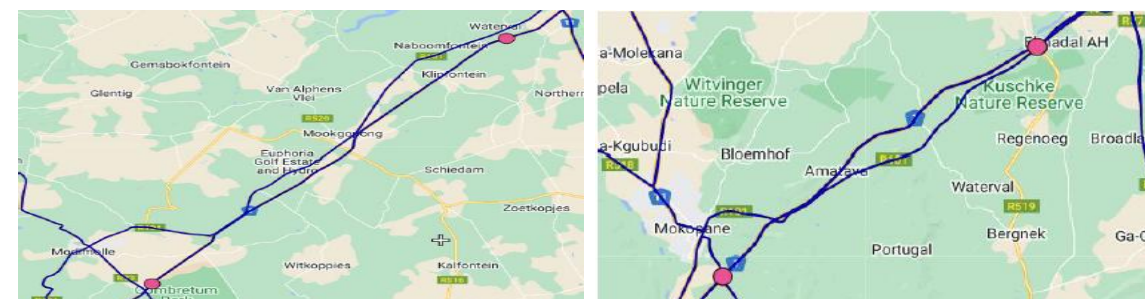
- Audit in Feb 2025 for 41 test methods (initial assessment)
*90 days for closing out Non-Conformances
- Accreditation granted on 10 April 2025
- 6 month follow-up audit 09 October 2025. Status remains accredited
- SANAS Accreditation number T1145
<https://www.sanas.co.za/Certificate%20Published/T1145-04-2025.pdf>
Contact email: NRL@sanral.co.za for requisitions
- Requestions procedure document is available from SANRAL Materials Specialists or from NRL@sanral.co.za



AVERAGE SPEED OVER DISTANCE (ASOD) STATUS



- ASOD Interim Requirement approved on 1 March 2019.
- Received National Regulator for Compulsory Specifications (NRCS) Type Approval – March 2021.
- **N1 PROJECT**
 - Started pilot project for ASOD – December 2018.
 - **4 Sections**
 - Zebetiela – Polokwane (NB) = 43.503 km
 - Polokwane – Zebetiela (SB) = 43.442 km
 - Kranskop – Nyl (NB) = 65.262 km
 - Nyl - Kranskop (SB) = 65.255 km
 - All sections received On-Site Verifications – December 2021.
 - Live data stream to SANRAL Back-Office – April 2022.
 - Receive DPP approval to proceed with prosecutions – April 2022.



ASOD ENFORCEMENT BLOCKERS (1 of 2)

• Issuing Authority

- SANRAL is not an issuing authority
- According to SANRAL Act agreements can be made with Municipal/Provincial Authorities for law enforcement.
- Provincial authority to provide adjudication officials.
- **Formal agreement to be finalised.**


• Limpopo DPP approval

- Lapsed in March 2023.
- **RTMC to apply for new approval.**
- SANRAL provided all evidence for approval to RTMC in February 2025.
- Still in process by RTMC.

• eNatis Link

- SANRAL have existing link at COC in Midrand for e-Tolls in Gauteng.
- **RTMC could not provide confirmation if the link can be used nationally.**

National Prosecutions Service
Director of Public Prosecutions
Limpopo Polokwane



REF./VERW. NO. 10/1/1/5

The Executive Manager: RTMC National Traffic Police
Private Bag X147
PRETORIA
0001

POLOKWANE
Tel: +27 15 045 0250

36 Bodenstein Street
POLOKWANE
0700

P/Bag X 9703
POLOKWANE
0700
South Africa
www.npa.gov.za

2022-04-06

Dear Sir/ Madam

APPLICATION TO OPERATE AVERAGE SPEED OVER DISTANCE (ASOD) ON THE N1 BY MEANS OF SANRAL SYSTEM

1. Your correspondence dated 30 March 2022 has reference.
2. Authorisation is hereby granted to the Road Traffic Management Corporation and the Limpopo Provincial Traffic Department to operate the Average Speed Over Distance (ASOD) on the section of the N1 public road between Polokwane and Kranskop toll plaza for the purpose of speed law enforcement.
3. This authorisation is effective immediately and valid until 31 March 2023.
4. The authorisation is subject to the equipment/s being used compliant with relevant legal prescripts including regular calibration.
5. The prosecuting guidelines contained in Circular No.3 of 1998 and part 29 of the NPA Policy Directives must be complied with.
6. The speed law enforcement must always be conducted according to the Technical Committee for Standards and Procedures for traffic control and traffic equipment and that all technical and mechanical prescripts are adhered to at all times.

ADV. M.I. THENGA
DIRECTOR OF PUBLIC PROSECUTIONS
LIMPOPO DIVISION, POLOKWANE

ASOD ENFORCEMENT BLOCKERS (2 of 2)

Courts

- Estimated number of offences (44,000 per month) send to **Limpopo Province** in February 2025. – Courts will be flooded.
- Confirmation from Limpopo courts must be provided that fines will only be applicable from a specific threshold.** SANRAL suggested > 140km/h for initial phase to reduce strain on courts.
- Limpopo Province** default fines to be set.
- AARTO Rollout ?**

Back Office

- Data from ASOD systems hosted at SANRAL COC in Midrand.
- Process to be streamlined by SANRAL IT – process in progress.

Prosecution Guidelines for Speed Enforcement (TCSP)

- RTMC** responsible for TCSP guidelines.
- Speed Enforcement Guidelines currently under review.
- Need approved guidelines before enforcement can proceed.**
- Number of meetings cancelled due to quorum issues.



SECTION DESCRIPTION

N001 Southbound : Between Polokwane and Zebetela

Section Distance: 43442 m Frame Number: 8665


Drag a column here to group by this column.							
Frame	Primary Date & Time	Secondary Date & Time	Time Difference	Speed	Speed Limit...	Classification	ANPR
Contains: ▼	Contains: ▼	Contains: ▼	Equals: ▼	Equals: ▼	Equals: ▼	Contains: ▼	C KH19ZR ▼
Total : 5				Max : 167 km/h			
14266	29/05/2023 01:04:53.610	29/05/2023 01:20:25.673	932 sec	167 km/h	120		KH19ZRGP
2587	03/05/2023 22:39:51.393	03/05/2023 22:55:55.657	964 sec	162 km/h	120		KH19ZRGP
4758	07/05/2023 22:30:01.287	07/05/2023 22:46:54.830	1013 sec	154 km/h	120		KH19ZRGP
8124	14/05/2023 22:03:29.507	14/05/2023 22:20:49.927	1040 sec	150 km/h	120		KH19ZRGP
8665	17/05/2023 14:13:56.627	17/05/2023 14:33:16.740	1160 sec	134 km/h	120		KH19ZRGP

SPEED CRITERIA APPLIED

Limit	
Light Motor Vehicles :	120 (km/h)
Minibuses :	100 (km/h)
Buses :	100 (km/h)
Heavy Motor Vehicles :	80 (km/h)
Speed Limit Applied :	120 (km/h)

Primary Date and Time: 17/05/2023 14:13:56.627
Secondary Date and Time: 17/05/2023 14:33:16.740 } 00h:19m:20s

☐ Heavy speeds split by GVM Split Threshold: 16001 kgs
eNatis GVM: 0 kgs

Load  Print Make (eNatis): Unknown
Model (eNatis): Unknown
Colour (eNatis): Unknown

Violations ASD File Header <XML>

134 k...



WEIGH-IN-MOTION ENFORCEMENT (WIMe) STATUS



- Currently only use Static Weigh Bridges, costly and easily bypassed.
- Development for WIMe Interim Requirements started in August 2018.
- WIMe Interim Requirement approved on **1 September 2024** by NRCS.
- No certified Service Providers exist in South Africa.
- Historically only bending plates used as WIM sensors.
 - Temperature sensitive.
 - Not accurate enough for enforcement.
- Piezo Strip technology used internationally for WIMe.
- SANRAL Researchers appointed in March 2025 to lead a technology pilot to test NRCS interim specifications on South African pavements and determine if accuracy requirements can be reached.
- Expression of Interest advertised internationally at the end of June 2025, **CONSTRUCTION IN PROGRESS OF 10 TEST SITES – COMPLETION 5 DECEMBER 2025.**
- Estimated time for Technology Pilot completion 3 to 6 months.
- SANRAL Tender process for WIMe (\pm 250 locations) will be issued after analysis of Technology Pilot have been completed and NRCS approved final specifications.



THANK YOU