

# SANRAL UPDATES RPF

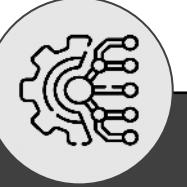
## November 2025



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

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



**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**

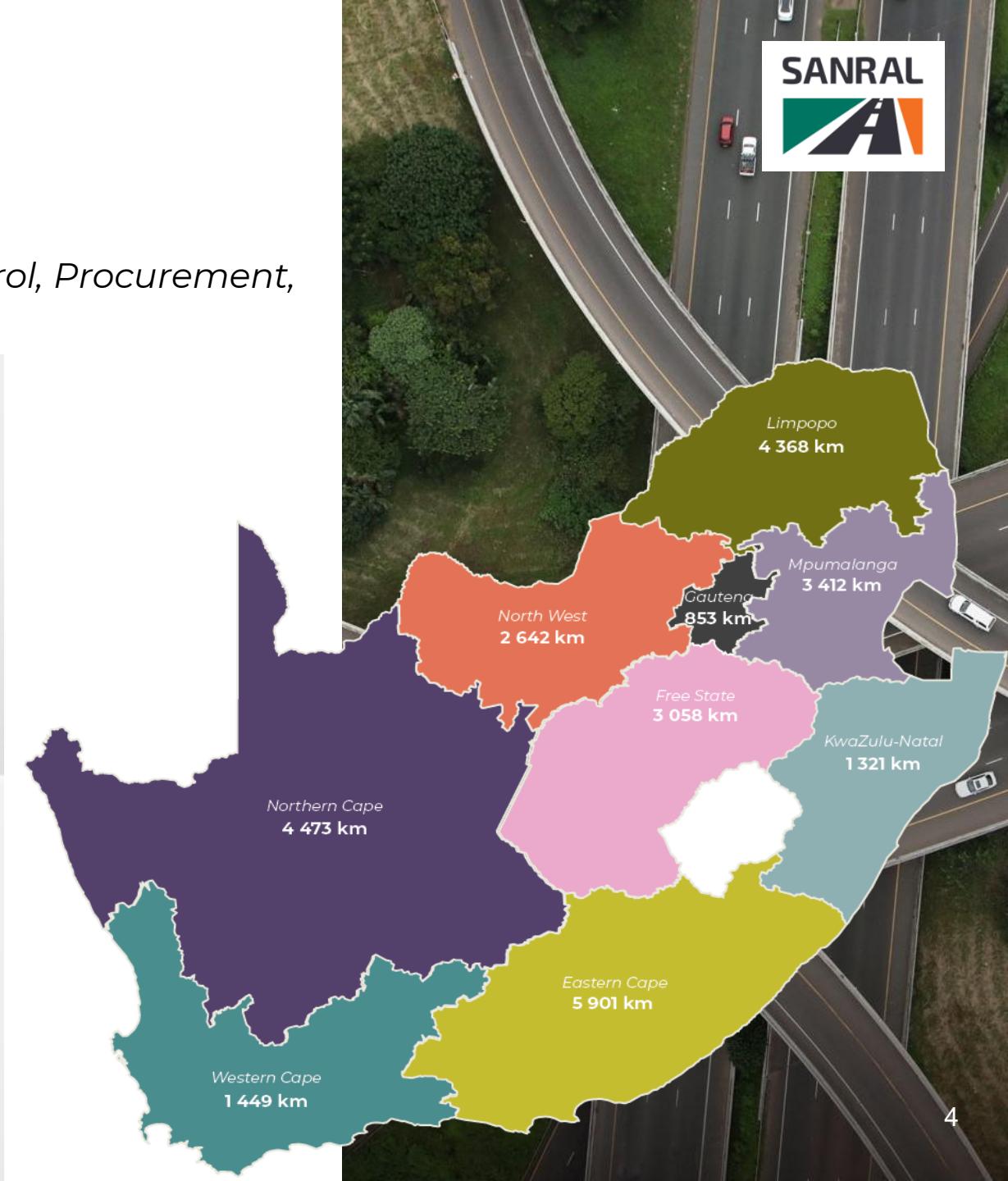
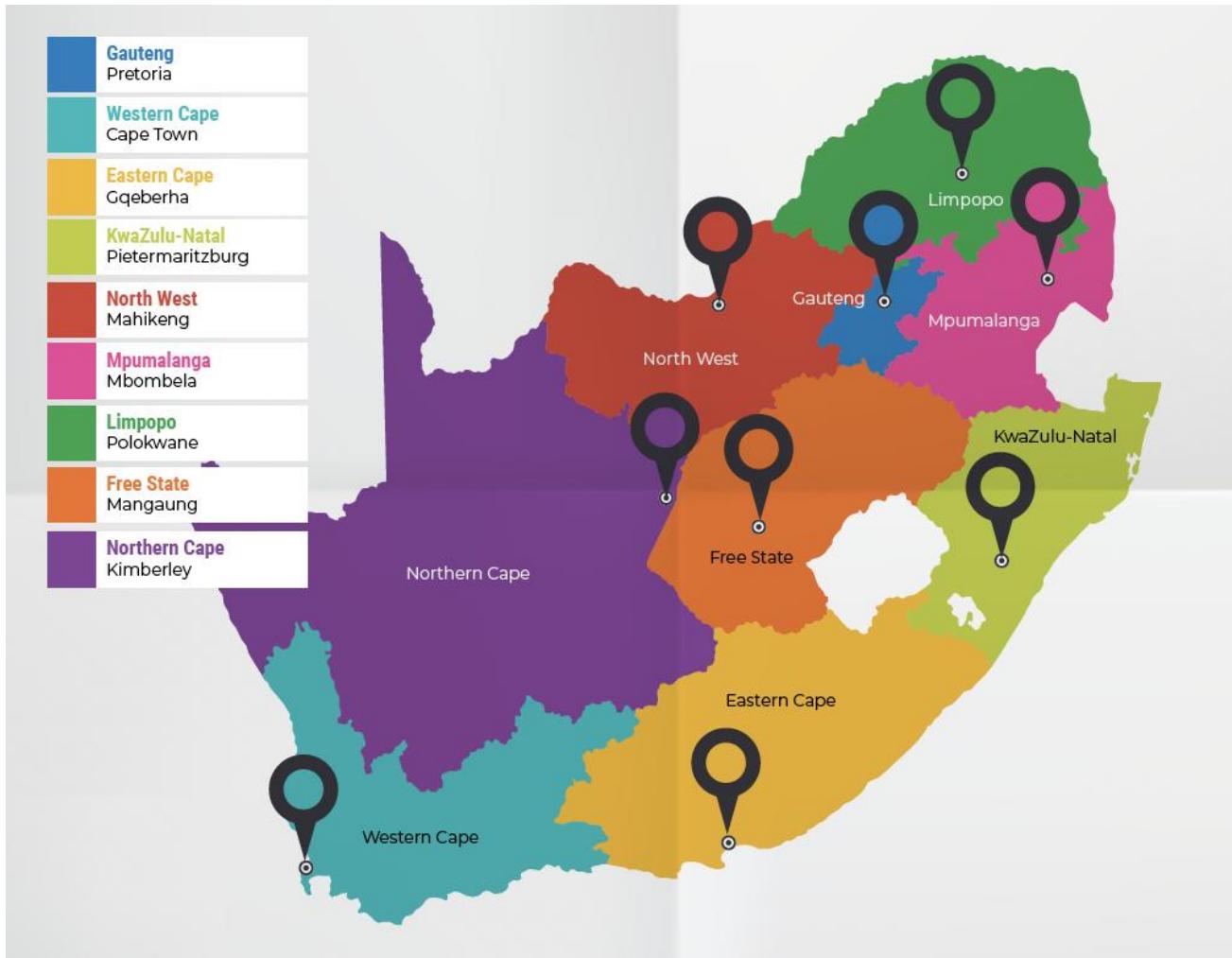


**Rural upliftment, SMME support**  
**2,012 SMME**

\* **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

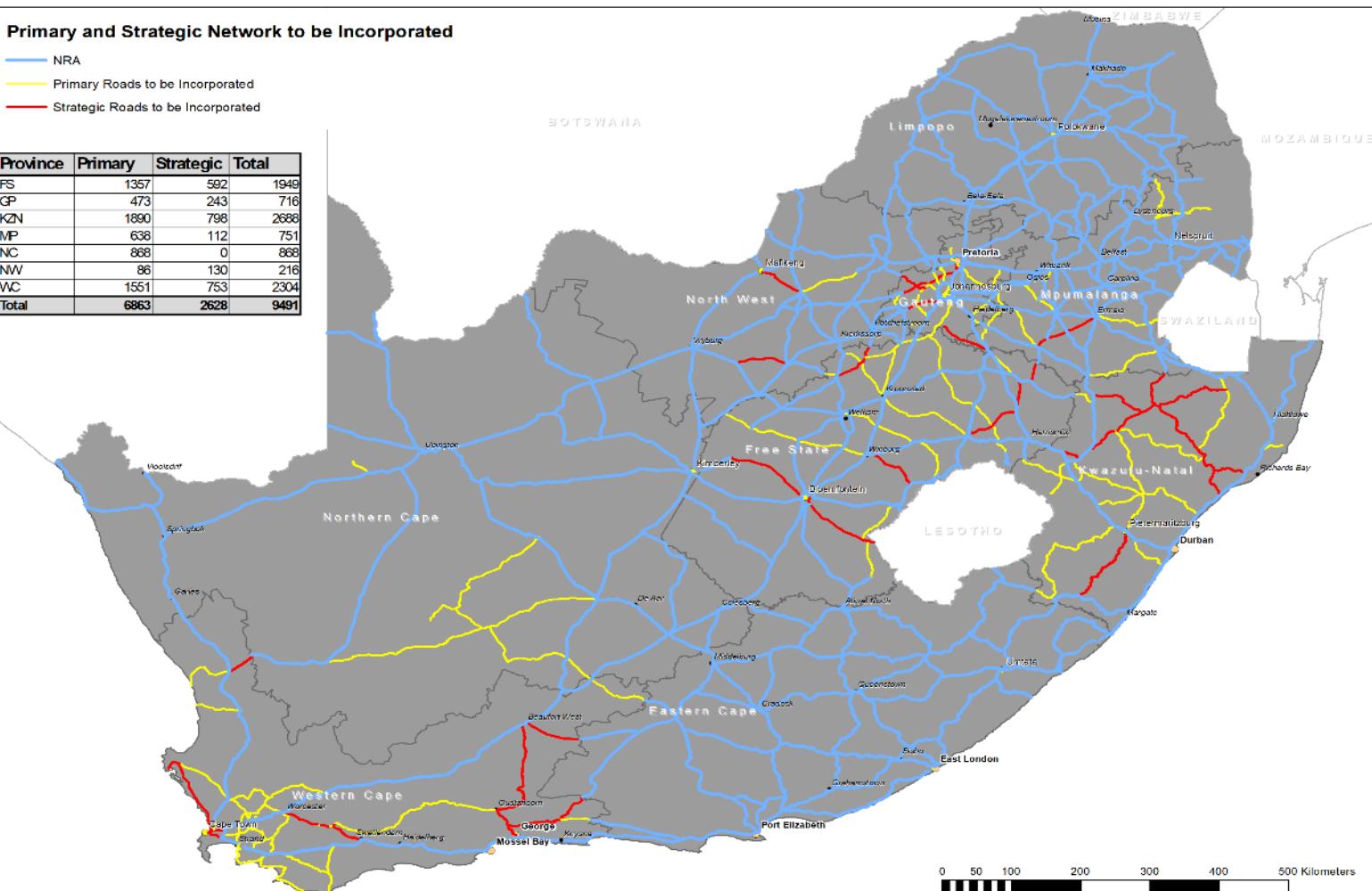


# STRATEGIC AND PRIMARY NETWORK TRANSFERS ( $\pm 35 000$ km)

## Primary and Strategic Network to be Incorporated

- NRA
- Primary Roads to be Incorporated
- Strategic Roads to be Incorporated

Province	Primary	Strategic	Total
FS	1357	592	1949
GP	473	243	716
KZN	1890	798	2688
MP	638	112	751
NC	868	0	868
NW	86	130	216
WC	1551	753	2304
<b>Total</b>	<b>6863</b>	<b>2628</b>	<b>9491</b>

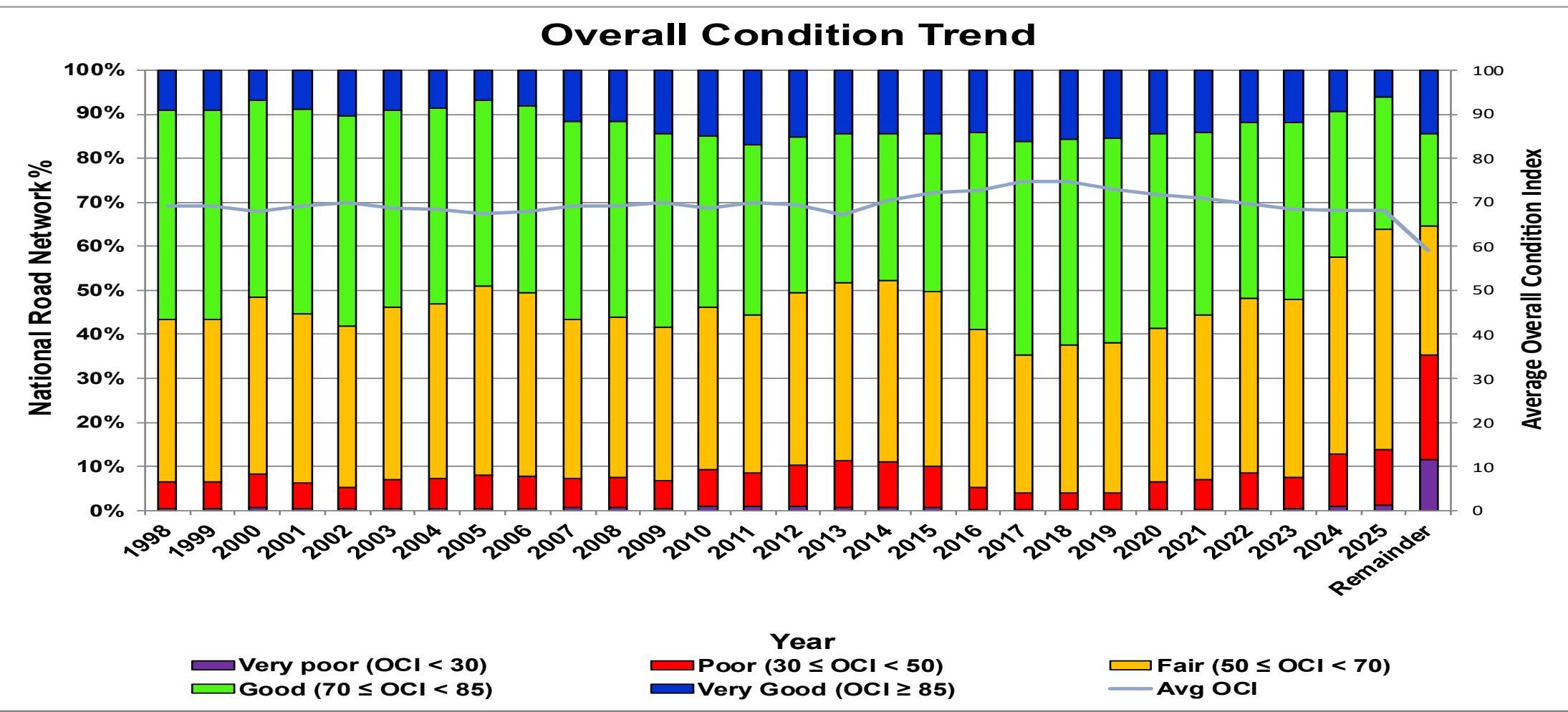


Transfer requests are considered based on the Road Classification System from Road Infrastructure Strategic Framework for South Africa (RISFSA)/COTO TRH26, for transfer to SANRAL must have R1 or R2 classification

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)
<b>Total</b>	<b>5,058</b>	<b>3,366</b>

- 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

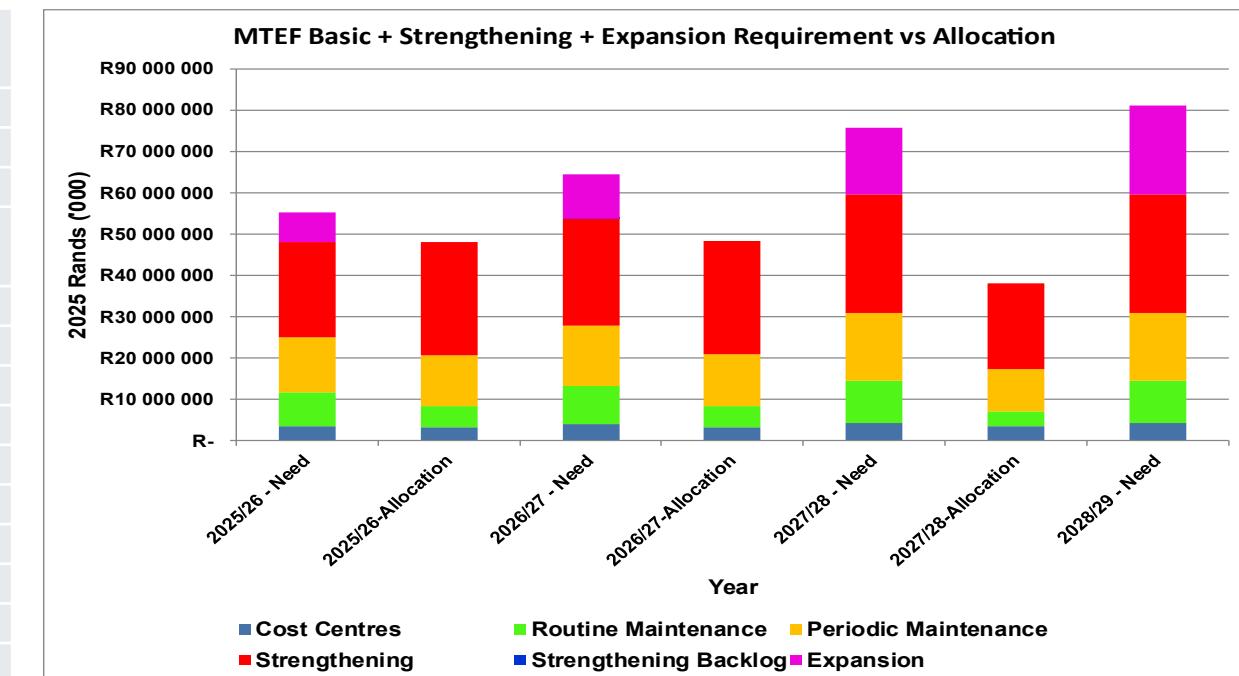


- Currently 3,440km or 13.9% of SANRAL roads are in poor to very poor surface condition, the international norm for a well-maintained network is 10%. The main contributing reason for this increase is the 3,923km of Provincial roads transferred to SANRAL in the past 2 financial years. The Average OCI of 68.1, is also just below international norm of 70.
- For existing network largely due to the impact from 2017 PPR that delayed procurement of preventative maintenance projects with associated above normal rainfall.
- 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

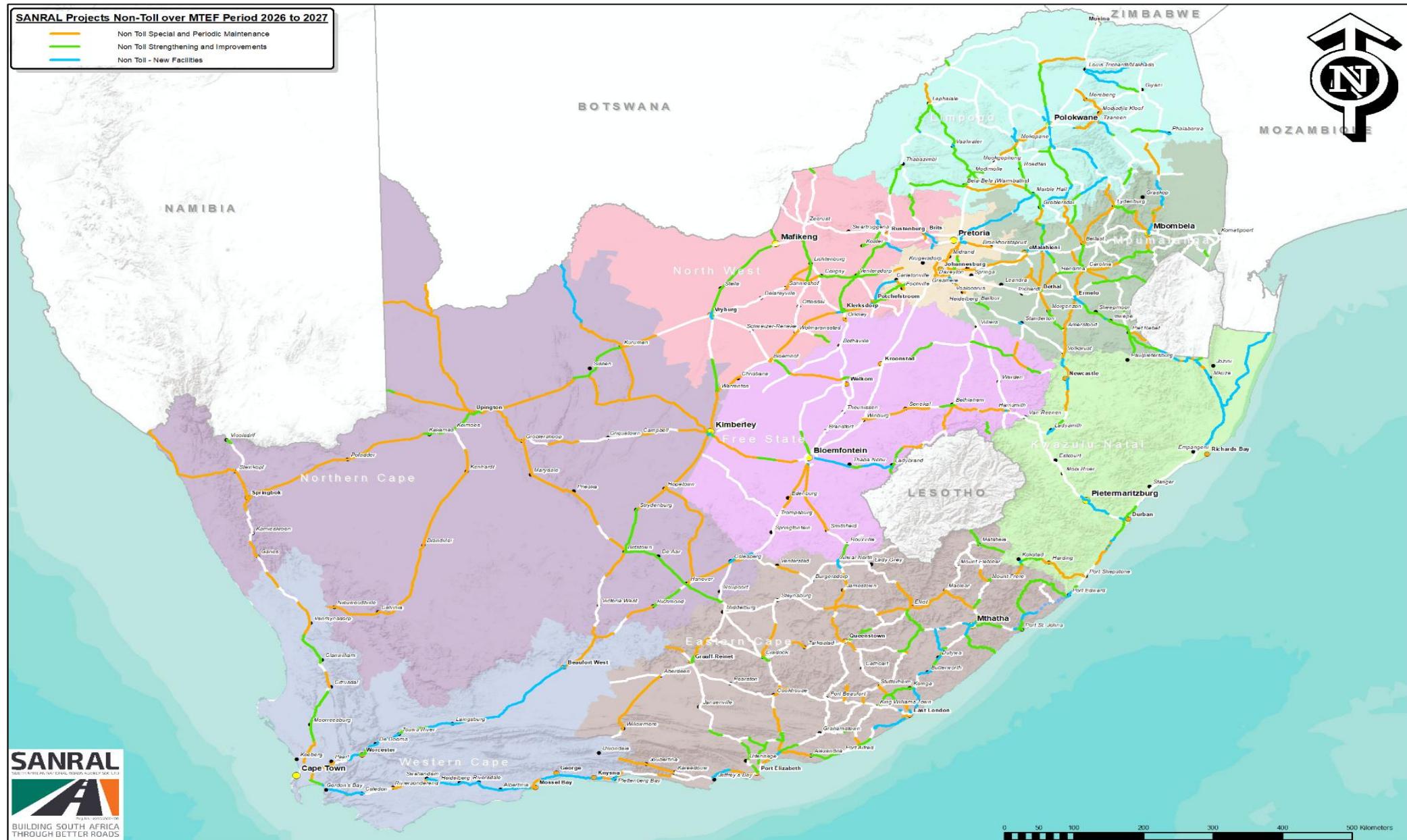
- Routine Operation Cost (i.e. pothole repairs, grass cutting, litter removal, etc) = R 190,779/km/year;
- Periodic Maintenance Cost (i.e. reseal or asphalt overlay) = R 5.596 million / km/ 10 years (10 % of network per year);
- Strengthening Cost = R 23.940 million / km / 25 years (4% of network per 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
<b>TOTAL</b>	<b>R 216 285 334</b>
Per Annum Requirement over 10 years	R 21 628 533

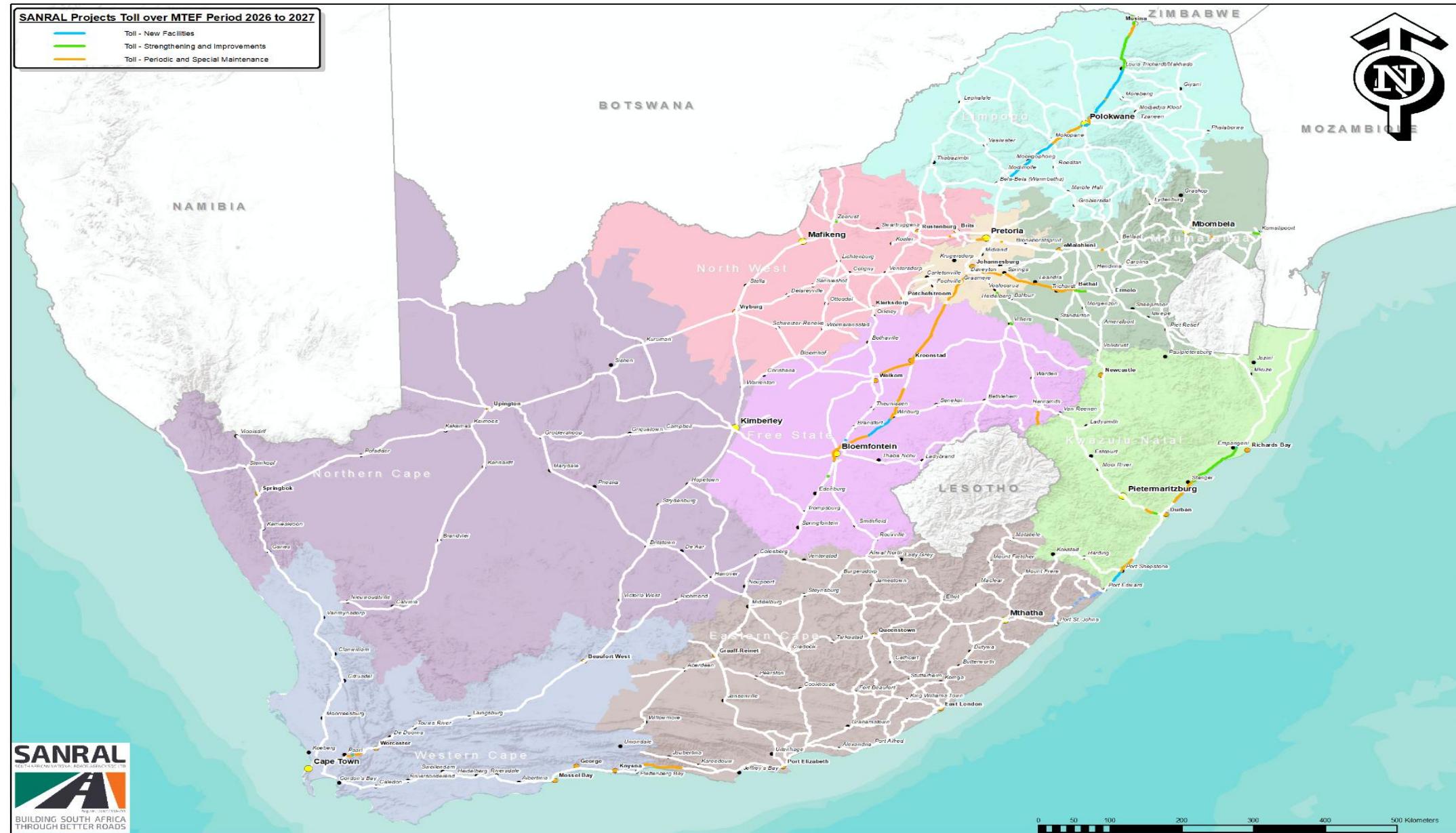


- The current MTEF allocated budget is Not SUFFICIENT to sustain the current SANRAL non toll network (AFTER TRANSFERS) over the MTEF and additional budget allocation is required by SANRAL.
- From MTEF year 3, the MTEF budget is however R43.7 billion lower than the budget required to enable SANRAL to 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

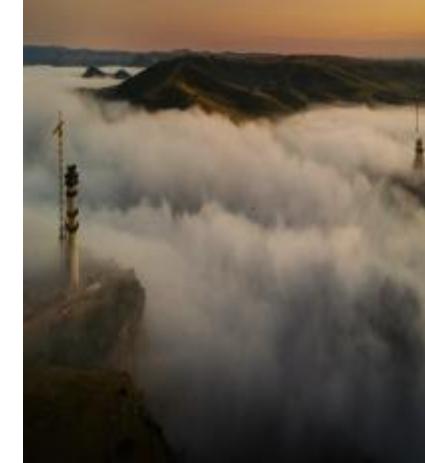


The upgrade of Moloto Road (R573) Gauteng, Mpumalanga and Limpopo:

- 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

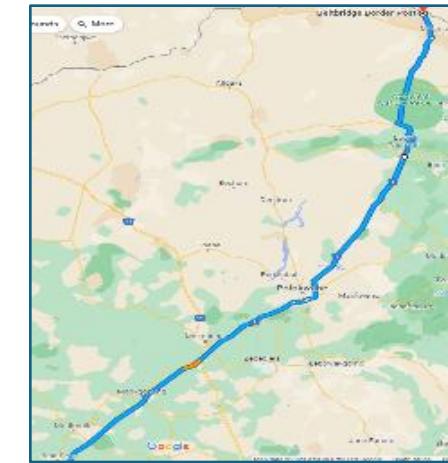


The N2 Richards Bay to Ermelo in KwaZulu-Natal and Mpumalanga:

- 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**

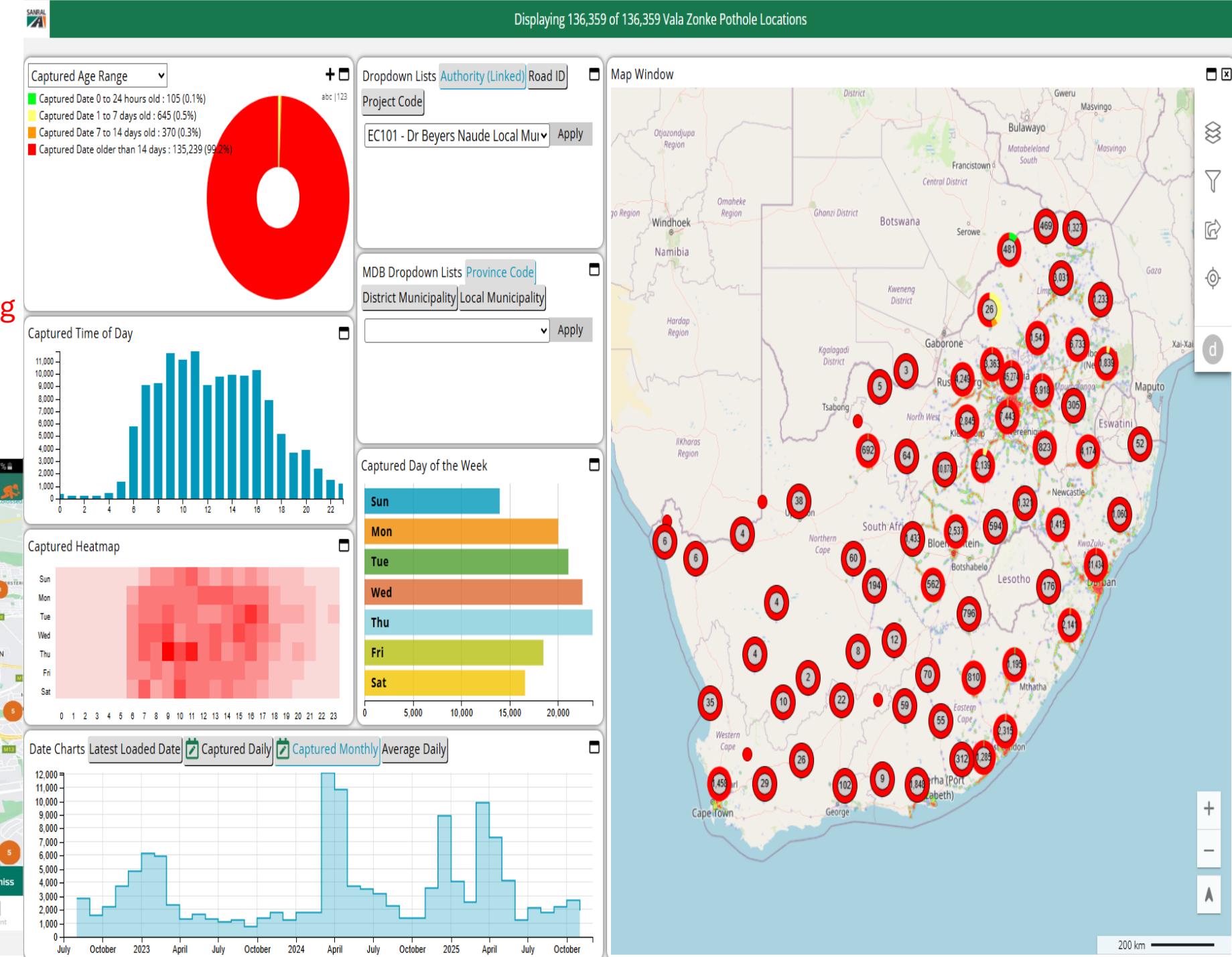
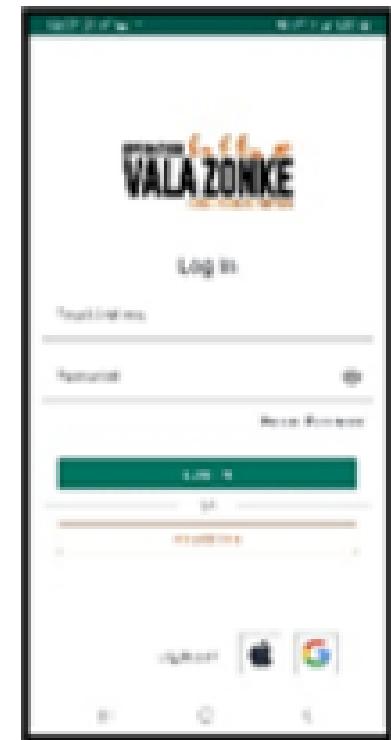
SANRAL's flagship projects are mostly on the major economic corridors of the country along the N1, N2 and N3 national roads.



Asking the public to assist with reporting of potholes

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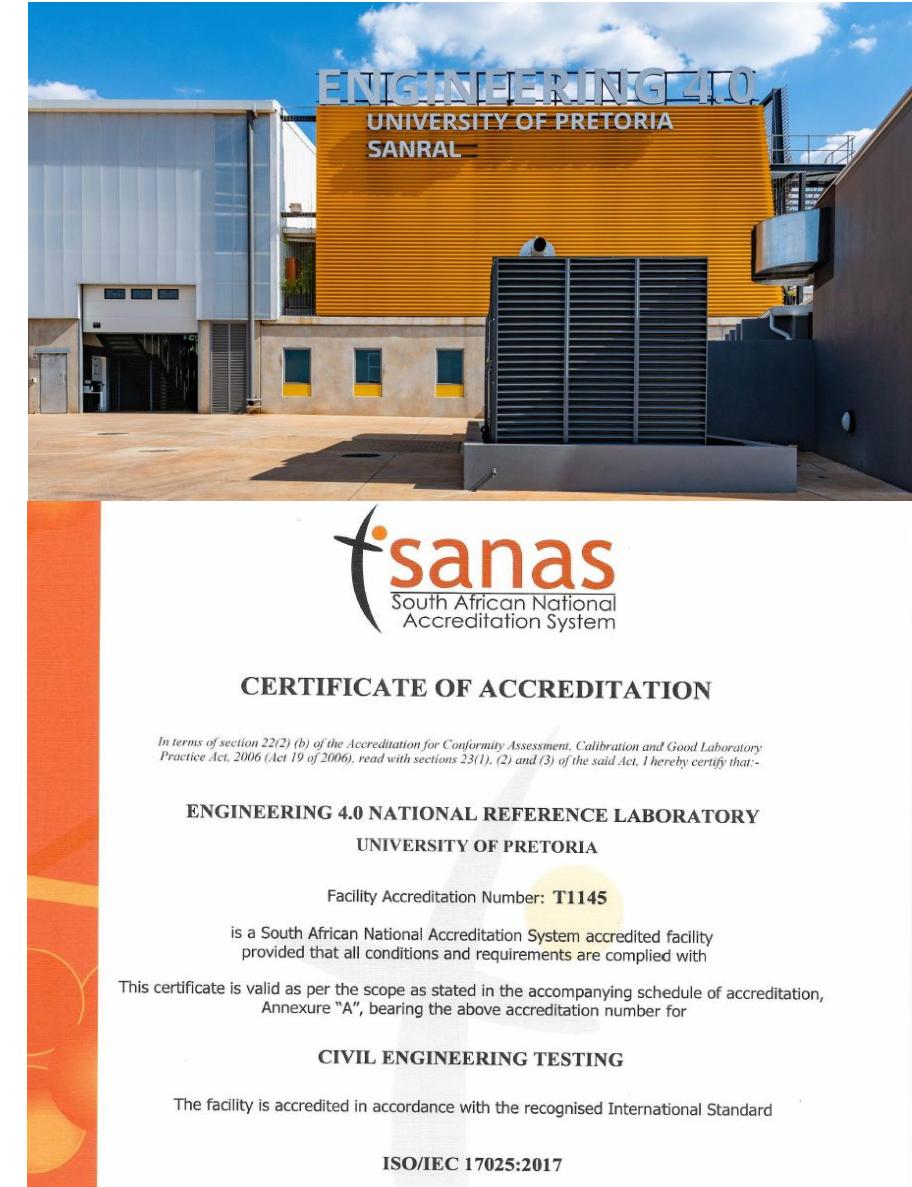
- Download Valazonke APP from iStore and Playstore, log pothole as you drive.
- Help us to help you.



# 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](mailto:NRL@sanral.co.za) for requisitions
- Requests procedure document is available from SANRAL Materials Specialists or from [NRL@sanral.co.za](mailto: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.

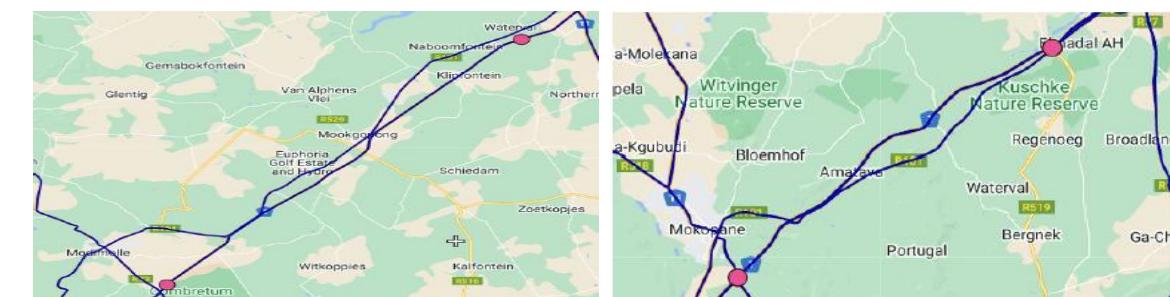
## N1 PROJECT

- Started pilot project for ASOD – December 2018.

### 4 Sections

- Zebetielo – Polokwane (NB) = 43.503 km
- Polokwane – Zebetielo (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.**

<b>National Prosecutions Service</b> Director of Public Prosecutions Limpopo Polokwane	 NATIONAL PROSECUTING AUTHORITY South Africa REF/VERW. NO. 10/1/1/5
The Executive Manager: RTMC National Traffic Police Private Bag X147 PRETORIA 0001	
Dear Sir/ Madam	
<b>APPLICATION TO OPERATE AVERAGE SPEED OVER DISTANCE (ASOD) ON THE N1 BY MEANS OF SANRAL SYSTEM</b>	
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.



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)

ASD Violations BMT Violations JIS Violations TRF Viewer

## SECTION DESCRIPTION

N001 Southbound : Between Polokwane and Zebetielia

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
Contain... ▾	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		KH19ZRG
2587	03/05/2023 22:39:51.393	03/05/2023 22:55:55.657	964 sec	162 km/h	120		KH19ZRG
4758	07/05/2023 22:30:01.287	07/05/2023 22:46:54.830	1013 sec	154 km/h	120		KH19ZRG
6124	14/05/2023 22:03:29.507	14/05/2023 22:20:49.927	1040 sec	150 km/h	120		KH19ZRG
▶ 8665	17/05/2023 14:13:56.627	17/05/2023 14:33:16.740	1160 sec	134 km/h	120		KH19ZRG

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

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.



