

PERIODIC MAINTNEANCE (RESURFACING)

CLARIFICATION MEETING
(SCOPE OF WORKS)

08 MAY 2024

SANRAL



BUILDING SOUTH AFRICA
THROUGH BETTER ROADS

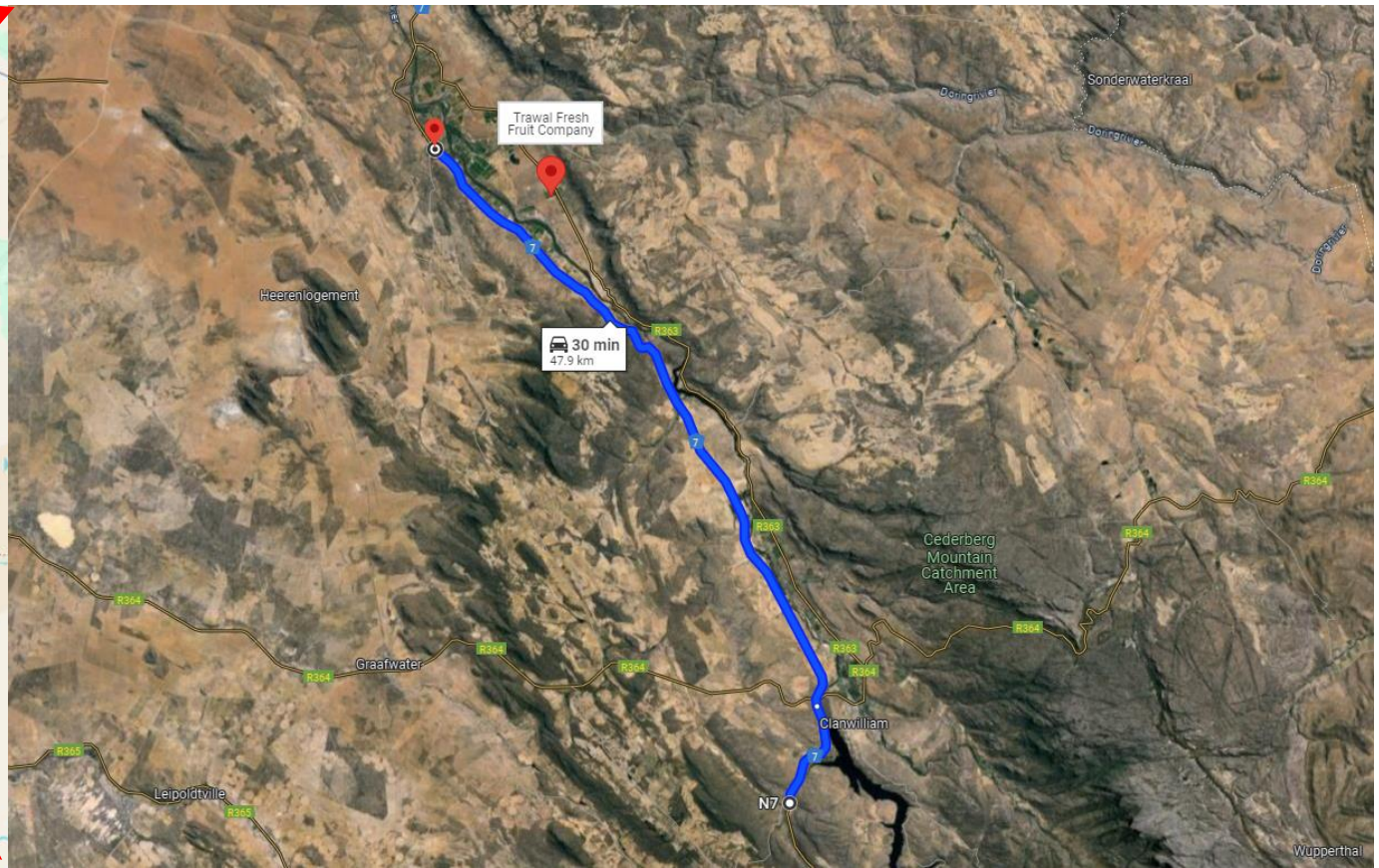
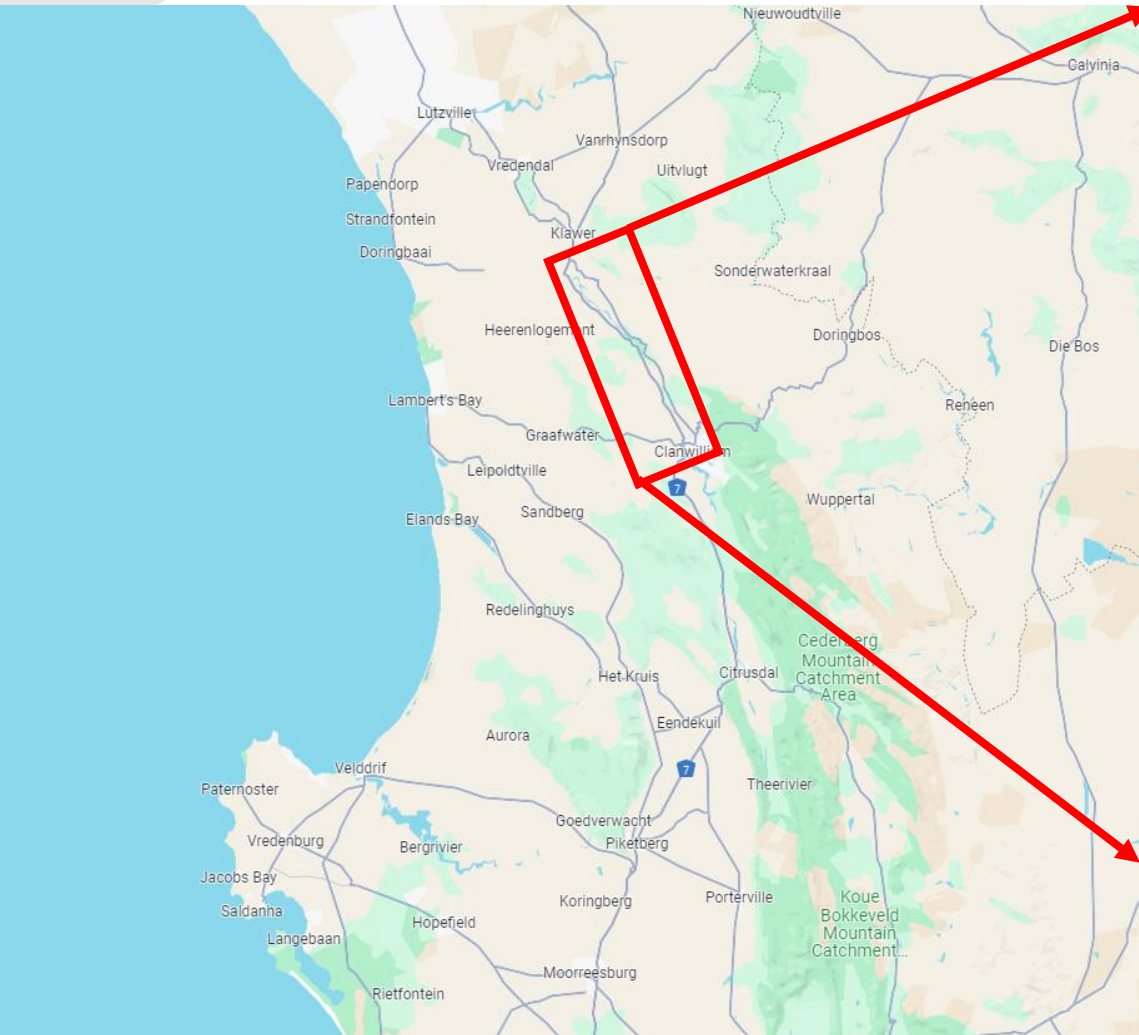
TENDER CLARIFICATION FOR PROJECTS

No.	Contract Number	Description
1	N.007-034-2023/1F	FOR CONSULTING ENGINEERING SERVICES FOR THE PERIODIC MAINTENANCE RESURFACING) ON NATIONAL ROUTE 7 SECTIONS 3 AND 4 FROM KRANSVLEIKLOOF (KM 120.88) TO TRAWAL (KM 42.00)
2	N.007-080-2023/1F	FOR CONSULTING ENGINEERING SERVICES FOR THE PERIODIC MAINTENANCE RESURFACING) ON NATIONAL ROUTE 7 SECTION 8 FROM BRAKFORTEIN (KM 7.80) TO VIOOLSDRIFT (KM 116.58)
3	N.010-120-2023/1F & 2F & 3F	FOR CONSULTING ENGINEERING SERVICES FOR THE PERIODIC MAINTENANCE RESURFACING) ON NATIONAL ROUTE 10 SECTION 12 FROM UPINGTON (KM 0.00) TO NAKOP (KM 130.31)

PART C3: SCOPE OF WORKS



C3.1.2 LOCATION OF THE PROJECT



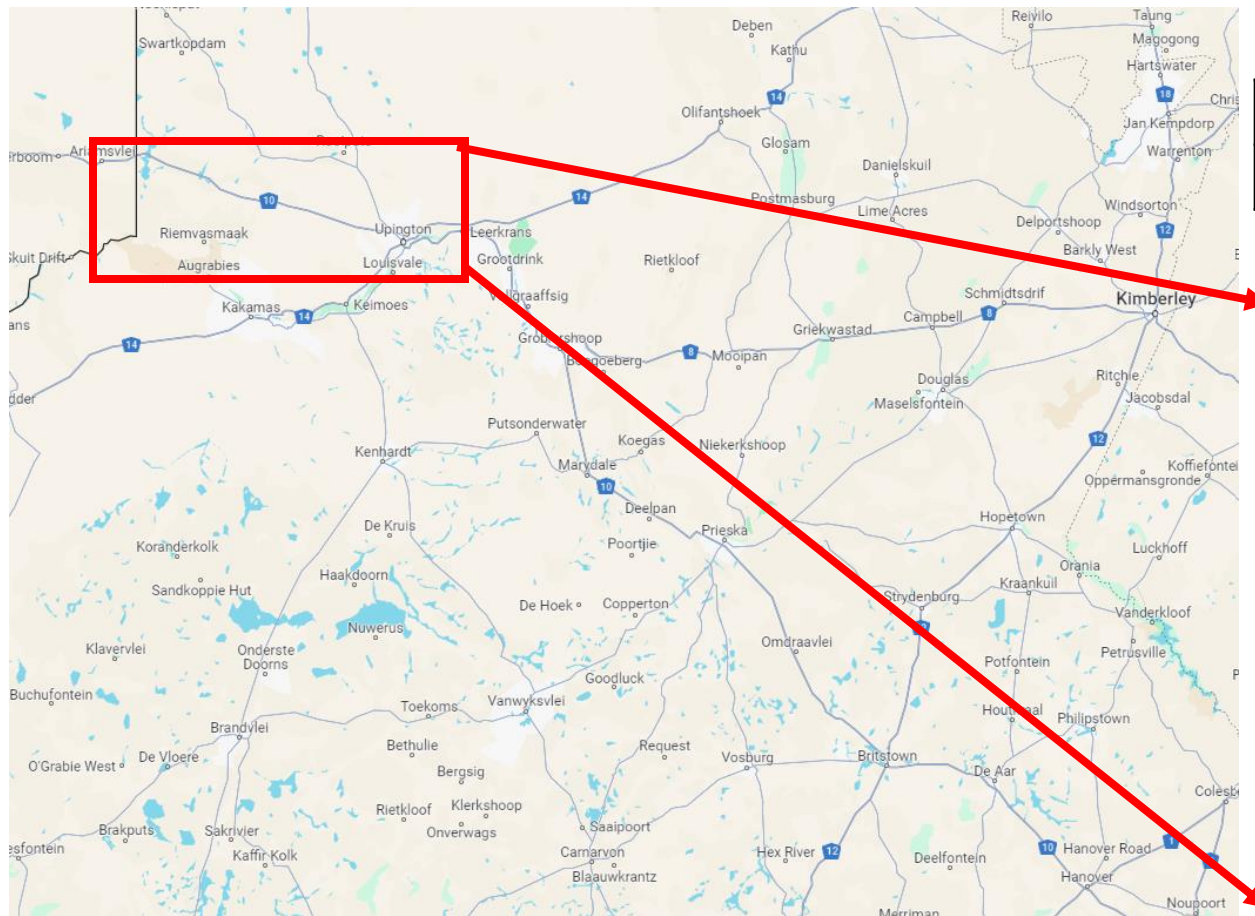
ROUTE	SECTION	FROM KM	TO KM	LENGTH KMS
N7	3	120.88	126.80	5.92
N7	4	0.00	42.00	42.00

C3.1.2 LOCATION OF THE PROJECT



ROUTE	SECTION	FROM KM	TO KM	LENGTH KMS
N7	8	7.80	116.58	108.78

C3.1.2 LOCATION OF THE PROJECT



ROUTE	SECTION	FROM KM	TO KM	LENGTH KMS
N10	12	0.00	130.31	130.31



C3.1.3 DESCRIPTION OF THE PROJECT

Periodic Maintenance: The Employer's AMS currently indicates that the periodic maintenance will most probably take the form of appropriate localized repair and pre-treatment of the existing surface followed by the construction of an appropriate surface seal.

The Services required of the Service Provider are divided into the following distinct stages:

- Project Assessment.
- Investigations for Design Development.
- Design Development which shall include the following phases:
 - Preliminary
 - Detailed design
- Tender Documentation.
- Clarification Meeting, Tender Period and Tender Evaluation.
- Administration and Monitoring of the Works Contract.
- Additional duties, Special Services and Specialist Advice.
- Quality Control: Works Contract.
- Close Out.

C3.1.4 DETERMINATION OF REMUNERATION

Table C3.1.4(b): Percentage points for phases/stages: Road Works, Structures, Building and Other

Type of Service	Concept Design (CD)	Preliminary Design (PD)	Detailed Design (DD)	Administration & Monitoring of works contract (AMW)	Close out (CO)	Total
Full service	5%	21%	42%	27%	5%	100%
CD	100%	0%	0%	0%	0%	100%
CD & PD	20%	80%	0%	0%	0%	100%
CD ,PD& DD	8%	31%	61%	0%	0%	100%
PD	0%	100%	0%	0%	0%	100%
PD & DD	0%	33%	67%	0%	0%	100%
DD, AMW, CO	0%	0%	63%	31%	6%	100%
PD, DD, AMW, CO	0%	22%	44%	28%	6%	100%
AMW & CO	0%	0%	0%	83%	17%	100%

C3.1.5 EMPLOYER'S COST ESTIMATE

The estimated costs of the different construction work types with a construction start date of September 2025 are provided below:

Road works

PROJECT	ESTIMATED COST
N.007-034-2023/1F	R 200,000,000.00
N.007-080-2023/1F	R 300,000,000.00
N.010-120-2023/1F & 2F & 3F	R 390,000,000.00
TOTAL	R 890,000,000.00

(EST) Total project value (excluding contingencies, CPA during the construction period and VAT)

The final cost of the Works will, however, depend on the strategy selected by the Employer based on the most appropriate and cost-effective options identified by the Service Provider during the project assessment and design phases. Scope of work changes may cause an increase or decrease in the fee offered to produce the design.

C3.1.7 STAKEHOLDER AND COMMUNITY LIAISON AND SOCIAL FACILITATION

(a) Purpose:

To give effect to the need for transparency and inclusion in the process of delivering services, the Service Provider shall liaise with the project Stakeholders and affected Communities for the duration of the contract's life cycle. This shall be achieved through structured engagement with the PLC which was established for this purpose.

(c) Stakeholders: The project is located within the:

Refer to each tender document for the specific local and district municipality.

d) Target Area for the sourcing of labour for Construction Contract:

The target area for the sourcing of labour only needs to be defined in consultation with the Project Liaison Committee (PLC).

(f) Project Liaison Committee (PLC) and Project Management Team (PMT):

A Project Liaison Committee (PLC) has either been established prior to commencement of the contract or shall be established as soon as possible by the Service Provider. The PLC represents the project's Stakeholders. The PLC consist of representatives of project Stakeholders and affected communities.

C3.1.9 PROJECT PROGRAMME

Table 3.1.9: Project Programme

	Project Stage/Phase	Stage/Phase Completion Date
A	Submission of Tenders / Proposals	31 May 2024
B	Appointment of Service Provider	September 2024
C	Project Hand-over meeting	October 2024
D	First Progress meeting	October 2024
E	Submission of draft Assessment Report	December 2024
F	Submission of draft Concept Design Report	N/A
G	Submission of draft Preliminary Design Report	January 2025
H	Submission of Gateway Review Report (if applicable)	N/A
I	Submission of Road Safety Audit Report: Stage 1 Feasibility and Preliminary Design	N/A
J	Submission of draft Detailed Design Report including Structures, Drainage & Geotechnical Reports	February 2025
K	Submission of Road Safety Audit Report: Stage 3: Detail Design	N/A
L	Submission of design information to SANRAL's Property Service Provider (PSP) for land acquisition purposes	N/A
M	Submission of Basic Assessment Report or full EIA report	N/A
N		
O		
P	Submission of WULA to approving authority	N/A
Q	Submission of EMP's to approving authority	N/A
R	Submission of Draft Tender Documents for the Works and final Detailed Design Reports	March 2025
S	Tender Advertisement	March 2025
T	Submission of Final Tender Documents for the Works	March 2025
U	Clarification Meeting	March 2025
V	Tender Closure	April 2025
W	Submission of Tender Evaluation Report	N/A
X	Works Contract Handover	September 2025
Y	Submission of draft Contract Report & as-built data	Within 3 months of issue of Taking-over Certificate for the Works
Z	Submission of final Contract Reports and as-built data	Within 1 month of issue of Performance Certificate for the Works

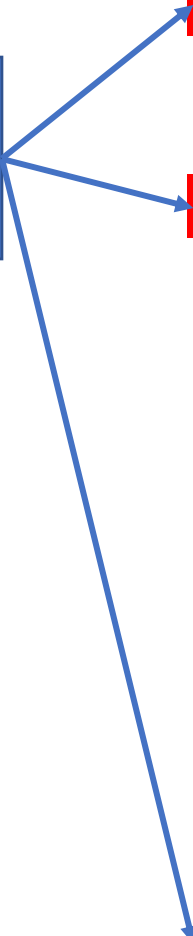
Refer to each project for its own project specific programme

C3.1.11 PERSONNEL REQUIREMENTS

Minimum Requirements

Position	Minimum Qualification/Registration	Minimum Relevant Experience (years) ³	Other Requirements
Project Leader	Pr Eng or Pr Tech Eng ¹	10	
Assistant Project Leader	Pr Eng or Pr Tech Eng ¹	<10	In permanent employment of the tendering entity or Targeted Enterprise ★
Design Specialist	Pr Eng or Pr Tech Eng ¹	10	
Assistant Design Specialist	Pr Eng or Pr Tech Eng ¹	<10	In permanent employment of the tendering entity or Targeted Enterprise ★
Surveyor	Registered Professional Surveyors, Technologist Surveyors, Technician Surveyors	5	Member of SAGC ⁷
Engineering Geologist	Pr Sci.Nat ⁵	5	SAIEG ⁴
Environmental Practitioner	Refer to sub-service procurement document		
OHS Specialist	Design Phase: SACPCMP ⁶ registration as a Professional Construction HSE Agent Construction Phase: SACPCMP ⁶ registration as a Professional Construction HSE Agent or Manager	As required by SACPCMP ⁶	
Road Safety Audit Team Leader	Pr Eng or Pr Tech Eng ¹	10	Road safety course (5 CPD) Minimum 2 (two) audits within 3 (three) years
Contract Engineer	Pr Eng ¹ or Pr Tech Eng ¹	10	

KEY PERSONS



Assistant Contract Engineer	<u>Pr Eng</u> or <u>Pr Tech Eng</u> ¹	<10	In permanent employment of the tendering entity or Targeted Enterprise
Engineer's Representative (RE)	<u>Pr Eng</u> or <u>Pr Tech Eng</u> ¹	10	
	<u>Pr Techni Eng</u> ¹	15	
Assistant RE	Candidate Technologist ¹	3	
Senior Materials Technician	None specified	20	
	National Diploma in civil engineering	10	
	<u>Pr Techni Eng</u> ¹	5	
Materials Technician	None specified	10	
	National Diploma in civil engineering	5	
	<u>Pr Techni Eng</u> ¹	2	
Trainee Technician	Candidate Technician	0	

C3.7.3 Establishment of supervisory personnel on site

a) Supervisory team

The Service Provider shall be required to provide a team on site to monitor, administer and measure the Works in accordance with the requirements of the Works Contract, Employer's standard requirements and industry good practice.

Provision has been made in the Pricing Schedule for the envisaged staffing requirement. The establishment of such staff, however, shall be subject to the approval of the Employer. For the envisaged scope of the Works, the supervisory team will consist of at least the following:

- i) Resident Engineer
- ii) Assistant Resident Engineer/s
- iii) Materials Technician
- iv) Trainee Technician
- v) Trainee (student)
- vi) Project Liaison Officer
- vii) Administrative Assistants (data capture)
- viii) Mentors/Coaches for Targeted Enterprises (sub-contractors)



PART C4: SITE INFORMATION

Project specific details can be found under the site information section which include some of the following technical details pertaining to:

- Location of the project
- Geometric information
- Traffic information
- Pavement information
- Materials Sources
- Drainage
- Road Furniture

The as-built and historic data for each route section will be available on SARDS online (please refer to the SARDS Manual provided)

C4.2 GEOMETRIC INFORMATION

TABLE 4.2

DESCRIPTION	CURRENT	ENVISAGED
Project limits	N7/8: km 7.80 – ± km 116.58 Total Length = 108.78 km	No change
Intersections	Okiep/ Concordia +-9.2 km Nigramoep/ Bulletrap +- 22.3 km Steinkopf +-46.9 km Steinkopf/ Port Nolloth +- 48.5 km	No change
TRH 4 Road Category	A: 2 lane single carriageway	No change
Cross section	Main carriageways: ± 9,4 m = Shoulders: 1.0m Lanes: 2 X 3,7m	No change
	I/S roads: Variable	No change
Surface area	Main Carriageway (Both): 1 022 532 m ²	No change
	I/S roads: Variable	No change

**Refer to each project
for its own project
specific details**

THANK YOU!

END