

Clarification Meeting

CONTRACT SANRAL N.001-089-2023/1

PERIODIC MAINTENANCE (RESEAL) ON NATIONAL
ROUTE 1 SECTIONS 8 AND 9 FROM THREE SISTERS
(KM 72.52) TO BIESIESPOORT (KM 26.00)

19 November 2025
14H00

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PROJECT INFORMATION

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C1.2.2 CONTRACT DATA – INFORMATION PROVIDED BY THE EMPLOYER

- Time for Completion – 10 months maximum (including the contractor's holidays in December and January)
- Mobilisation Period – 3 months maximum commencing on the Commencement Date.
- Total Contract Duration = 13 Months

Special non-Working Hours/days

- All designated public holidays (incl. all foreseeable statutory declared election days)
- The annual shut-down period between December and January
- Day before Easter Weekend
- Day of State school term closure and day prior to State school term start
- Sundays
- Between sunset and sunrise

C2.2: PRICING SCHEDULE

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PRICING SCHEDULE - SUMMARY

Refer to the Excel Worksheet issued with the tender pack.

NOTE:

- C2.1.13: The pricing schedules are provided electronically. A printout of the entire completed pricing schedule must be signed and scanned and saved in .pdf format, and an electronic copy of the priced pricing schedule must be saved in Excel format and the printed copy bound. In case of a discrepancy, hard copy rates will govern.

- **C2.2 Pricing Schedule:**
 - **SCHEDULE A: ROADWORKS,**
 - **SCHEDULE B: CUT SLOPE REPAIRS**
 - **SCHEDULE D: STAKEHOLDER AND COMMUNITY LIAISON, AND TARGET LABOUR AND TARGETED ENTERPRISES UTILISATION AND DEVELOPMENT**

PART C3: SCOPE OF WORKS

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LOCALITY

The National Route 1 Section 8 and 9 project is located within the Beaufort West Local Municipality, Central Karoo District Municipality in the Western Cape Province.

The project commences at the Ultra City intersection in Three Sisters at km 72.52 of Section 8 and ends at km 26.00 of Section 9 in Biesiespoort (total length = 27.91 km).

The project road can generally be described as a rural two-lane single carriageway with climbing lanes.

The project limits are as follows:

- N1 section 8: km 72.52 to km 74.74 (Total Length = 2.22 km); and
- N1 section 9: km 0.00 to km 25.69 (Total Length = 25.69.00 km).

PHOTOS

Start @ Section 8: km KM 72.52
Three Sisters Ultra City



End @ Section 9: km 26.00
Biesiespoort



Existing Road Cross Section

- The cross section throughout the project can be summarised as follows:
 - General configuration:
 - Surfaced roadway width = 12.4 m
 - Shoulder: 2 x 2.5 m
 - Lanes: 2 x 3.7 m
 - Sections with climbing / passing lanes
 - Surfaced roadway width = 14.6 m
 - Slow shoulder: 0.5 m to 1.0 m
 - Fast shoulder: 2.5 m
 - Lanes: 3 x 3.7 m
 - Climbing lanes are located as follows:
 - km 1+60 to km 2+50 (LHS);
 - km 9+50 to km 10+80 (LHS);
 - km 14+60 to km 16+10 (LHS);
 - km 15+40 to km 17+345 (RHS); and
 - km 25+70 to km 26+00 (LHS).

SCOPE OF WORK - ROADWORKS

1. Milling for repair of structural failures
2. Pre-treatment: 50 mm thick asphalt for patching
3. Pre-treatment: S1(7) single seal for bleeding areas
4. Pre-treatment: Rutfilling with Type II microsurfacing
5. Pre-treatment: Crack sealing (perimeter of patches)
6. Pre-treatment: Fine-graded fine texture slurry pre-treatment
7. Resurfacing = S2(20/7) double seal
8. Resurface of Lay bye (rest) areas with S4(20) Cape Seal
9. Replace the asphaltic plug joints of bridges to 50 mm partial depth
10. Cut Slope Repairs
11. Contract Participation Goals (CPG)

SCOPE OF WORK - ROADWORKS

Pre-treatments:

1. Bleeding

Bleeding pre-treatment requires the application of a S1(7) single seal without a cover spray and with the aggregate spread by means of a walk-behind chip spreader.

2. Rutting

Sections with less severe rutting (more than 5 mm up to 15 mm in depth) to be addressed by filling the rutting area by means of a spreader box. It is, however, expected that most of the rutting will be addressed with the patching required for structural defects.

SCOPE OF WORK - ROADWORKS

3. Localised surface failures and patches

The existing surfacing of the areas exhibiting structural failures should be milled out to a minimum depth of 50 mm by over a width of 1 200 mm minimum. Since most patches are larger than 10.0 m², the asphalt surfacing can be reinstated by an asphalt paving machine.

4. Varying texture depth

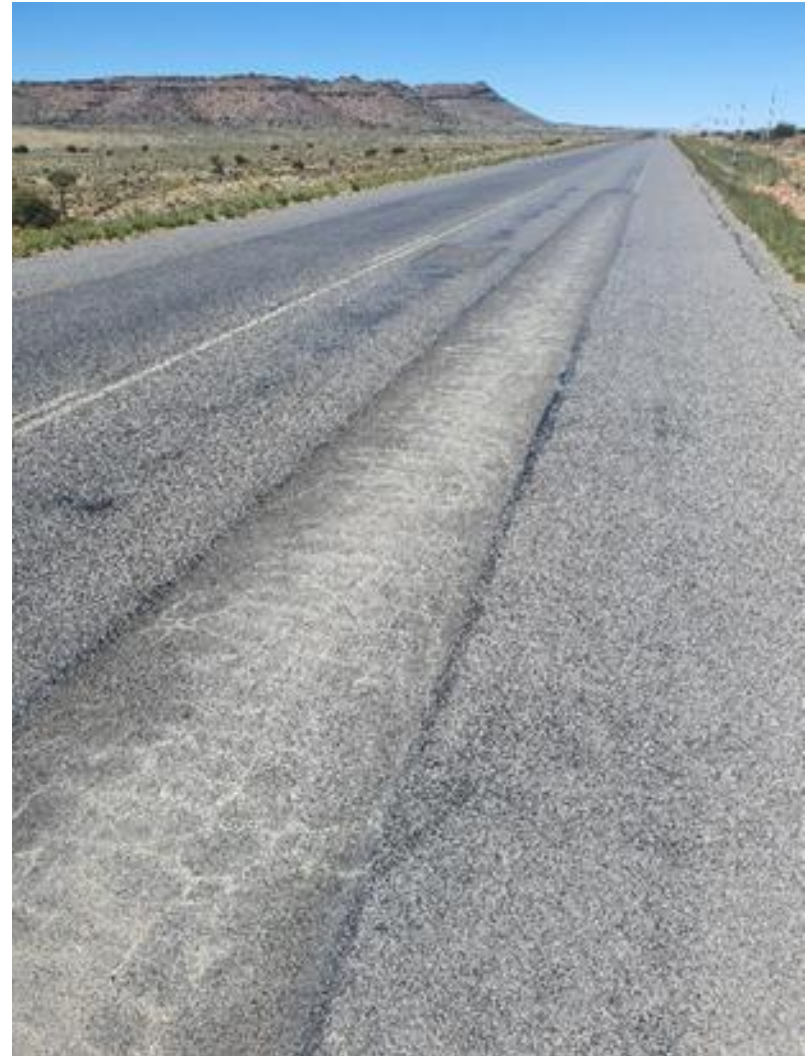
A fine-graded fine texture slurry shall be applied by hand to the complete roadway once all other pre-treatments processes are completed to ensure a uniform surface area.

SCOPE OF WORK - ROADWORKS

N01-09 km 15+00 Bleeding RWP in left lane



N01-09 Patching failure



SCOPE OF WORK - ROADWORKS

N01-09 km 6+76 Crocodile cracking & pumping



N01-09 km 9+200 Accident Damage



SCOPE OF WORK - ROADWORKS

Resurfacing

The complete roadway shall be resealed by means of S2 (20/7) double seal, incl. Grade A pre-coated aggregates, Class S-R2 bitumen-rubber tack coat, Class S-E1 penetration coat and diluted (65/35) 65 % cationic spray-grade emulsion cover spray.

N1/N12 intersection and other minor intersections

A 50 mm thick sand skeletal hot-mix asphalt overlay shall be applied to all intersections. The mix shall consist of Grade A aggregates and shall be designed to the Manual 35 Level II requirements. Pre-coated rolled-in chippings will be applied to the intersections.

Lay-bye areas (Rest Areas)

All lay-bye areas shall be resurfaced with a S4(2) Cape seal, consisting of Class S-E1 tack coat, Grade A aggregates, medium-grade fine slurry in the 1st application and fine-grade fine slurry in the 2nd application.

SCOPE OF WORK - SLOPE STABILIZATION

- Scaling of all the loose dolerite cobbles and boulders, and mudstone debris across the slope.
- Replacement of the failed trapezoidal precast concrete downchute with a 2m wide U-shaped grouted stone-pitched chute built on the existing gully and discharging water into an existing catchpit.
- Reconstruction of the existing crest drain across the slope by constructing a berm using 0.5 m × 0.5 m × 1.0 m gabion baskets filled with recovered dolerite cobbles and boulders of good quality and suitable size and constructing a v-drain at the back of the gabion berm using 200 mm thick grouted stone pitching to suit the slope shape.

SCOPE OF WORK - SLOPE STABILIZATION



Cut slope with abundant dolerite cobbles and boulders across the slope

Accommodation of Traffic

- The Contractor shall be limited to two (2) simultaneous half-width closures for pre-treatments and resurfacing of the National Road N1.
- The minimum unobstructed distance between the two (2) closures shall be 4.0 km.
- Typical accommodation of traffic plans is included in the Book of Drawings for all the typical scenarios expected on the project road.
- During the contractor's annual shutdown period between December and January and the Easter weekend, the Contractor shall maintain two-way traffic within the contract limits.

Ancillary Roadworks

Road Marking:

1. The existing road markings will be recorded prior to the resurfacing for the purposes of reinstatement thereof. However, the no-passing zones will be confirmed on site by the designer prior to the implementation thereof.
2. Water-based road markings shall be applied to the road upon the completion of the surfacing, followed by thermo-plastic road markings at the end of the defects notification period.

Road Signs:

1. All kilometre route marker boards will be replaced (as instructed).
2. Road studs along the entire route will be replaced after resurfacing.

Ancillary Roadworks



Example of km marker board condition.

DRAINAGE ELEMENTS

1. Reconstruction of all concrete side drains (2 722 m) and construction of additional side drains (2 650 m) – including sub-soil drainage;
2. Replacing the asphalt berm by replacing with a Type B Semi Mountable kerb (Fig. 7) and in-situ concrete channel combination complete (2 370 m);
3. Reconstruction of storm water down chute at km 1+84, and erosion protection of the cut slope at project left hand side from km 1+700 to km 2+00;
4. Erosion protection of the cut slope.
5. Erosion protection as required at some of the culvert in / outlets in the form of gabions and stone pitching.

DRAINAGE ELEMENTS

Erosion at culvert outlet – needs erosion protection



N01-09 km 1+84 Chute Failure - erosion

UTILITY SERVICES

No utility services are affected by the planned periodic maintenance.

MATERIAL SOURCES

- The closest commercial source of construction material, such as seal stone and gravel, is available near the site at De Aar (De Aar Crushers).

CONTRACT PARTICIPATION GOAL (CPG)

It is a requirement of this project that tenderers are familiar with the specifications that relate to the transformation of the construction industry through the following:

- (i) adherence to the policies of the Reconstruction and Development Programme and other similar Government initiatives,
- (ii) employment and/or creation of Targeted Enterprises,
- (iii) arrangement of generic skills, engineering skills and entrepreneurial skills training programmes for which provision has been made in the Pricing Schedule,
- (iv) construction using labour maximisation principles and,
- (v) active participation with community-based structures.

Tenderers should note that liaison with Community Stakeholders via active participation with the Project Liaison Committee, as well as employment of people from within the community, are essential parts of the project. A provisional sum to cover costs incurred by members of the community in the liaison process has also been included in the Pricing Schedule.

Section D of the Scope of Works covers the contractor's requirements in detail, as well as defining the targets that comprise the Contract Participation Goal (CPG).

CONTRACT PARTICIPATION GOAL (CPG)

- Specific Goal for **Targeted Enterprises is Minimum of 30% of the Final Contract Value** by the end of the contract to Targeted Enterprises.
- Specific Goal for **Targeted Labour is a minimum of 6% of the Final Contract Value** by the end of the contract to Targeted Labour.
 - The Final Contract Value for purposes of this clause is defined in clause D1003.04
- **Target Area(s) For Targeted Labour: Beaufort West LM**
- Contract Skills Development Goals (CSDG) shall not be less than 2.15% of the Final Contract Value. The Final Contract Value for purposes of this clause is defined in clause D1003.04

WORK SUITABLE FOR TARGETED ENTERPRISES

- a) Erection and maintenance of the Contractor's camp site
- b) Provision of traffic control facilities.
- c) Management of traffic control facilities and traffic safety as part of the accommodation of traffic.
- d) Construction and clearing of drains.
- e) Concrete channelling and concrete linings for open drains.
- f) Construction of concrete paving, kerbs and channels.
- g) Construction of small concrete and other structures.
- h) Pitching, stonework and protection against erosion.
- i) Construction of gabions.
- j) Erection of guardrails.
- k) Road signs.
- l) Road markings.
- m) Site Security Services.
- n) Haulage of materials
- o) Supply of plant.
- p) Supply of fuel
- q) Supply of transport to Local Labour.

D1005

MOBILISATION PERIOD

The Purpose of the Mobilisation Period is to aid the Contractor to:

- a) become acquainted with the **Stakeholder and Community liaison requirements** of the Contract as prescribed in this Section D of the Specifications;
- b) allow for the Contractor's **planning to obtain the CPG as required** in the Specification Data;
- c) allow for the Contractor's **planning to obtain the Contract Skills Development Goals (CSDG) as required** in Section D1010 of the Specifications,
- d) follow the processes prescribed in this Section D of the Specifications to **employ the initially required Targeted Labour and enter the first sub-contracts with Targeted Enterprises; and**
- e) **provide the training required by Targeted Labour and Targeted Enterprises to commence with the construction of the Works.**

NB: Access to site for the Commencement of the Works shall thus only be issued once the following deliverables have been submitted and/or completed by the Contractor:

- i. **Submission of the CPG Plan**, followed by acceptance of the Engineer.
- ii. **Submission of the Training and Skills Development Programme**, followed by acceptance of the Engineer.
- iii. **Appointment of the initial Targeted Enterprise Sub-contractors.**

D1005

MOBILISATION PERIOD

Duties of the Contractor:

- The Contractor shall compile an acceptable CPG Plan.
- The Contractor shall compile an acceptable Training and Skills Development Programme, in line with the CIDB Standard for Developing Skills through Infrastructure Contracts.
- Compile the TE Database(s) for input by the PLC.
- Undertake a skills audit of the TE's which appear on the Targeted Enterprise Database.
- Identify the pre-tender training requirements of Targeted Enterprises.
- Tender the initial work packages and sub-contract the first group of TE's for commencement of the Works.
- Undertake a skills audit of the Targeted Labour which appear on the Targeted Labour Database.
- Select and appoint the first group of Targeted Labour for commencement of the Works.



END THANK YOU

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