



# **THE SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LIMITED**

**CONTRACT SANRAL 57000/1002/2022/1**

**FOR CONSULTING ENGINEERING  
SERVICES FOR THE INSPECTIONS OF  
BRIDGES AND MAJOR CULVERTS**

BASE DATE  
*February 2023*

TENDER DOCUMENT

**Volume 1**

**CHIEF EXECUTIVE OFFICER  
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LIMITED  
48 TAMBOTIE AVENUE  
VAL DE GRACE  
PRETORIA  
0184**

**NAME OF TENDERER: .....**



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**FOR CONSULTING ENGINEERING SERVICES FOR THE INSPECTIONS OF BRIDGES  
AND MAJOR CULVERTS**

**THIS DOCUMENT COMPILED BY:**

**The South African National Roads Agency SOC Ltd  
48 Tambotie Avenue  
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## **PART T1    TENDERING PROCEDURES**

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**PART T1: TENDERING PROCEDURES**

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## **T1.1 TENDER NOTICE AND INVITATION TO TENDER (INCORPORATING SBD1)**

**CLOSING DATE (AT 11:00):** *Thursday, 16 March 2023*

The South African National Roads Agency SOC Limited (SANRAL) invites tenders for the provision of consulting engineering services for the inspection of bridges and major culverts. This project is in all provinces. Only COTO certified bridge and culvert inspectors may undertake the inspections. The duration of the Inspection packages will be for a total of 36 months. 6 months for conducting Structure inspections and 30 months to allow for Validation and quality control. The duration of Strategic and verification packages will be for a duration of 60 months.

Only tenderers with a B-BBEE contributor status level of 1, 2, 3 or 4, have at least one COTO certified bridge inspector per team, who are registered on the National Treasury Central Supplier Database and meet the minimum requirements for the key persons as stipulated in Clause C.2.1 at the tender closing date, are eligible to tender.

It is a condition of this project that the tenderer sub-contract a minimum of 30% (thirty percent) of the work to Targeted Enterprises as defined in the Contract Data, unless the tenderer is an EME or QSE in which case there are no sub-contracting requirements.

Joint Ventures (JV) will be allowed on condition that one JV partner is a Targeted Enterprise. The JV partner will, however, not contribute to sub-contract target for Targeted Enterprises.

### **TENDER DOCUMENTS**

Tender documents are available from 20 February 2023 no cost in electronic format downloadable from the SANRAL's website by following the link <https://www.nra.co.za/sanral-tenders/list/open-tenders>. Tenderers must have access to Microsoft © Office 2013 and Acrobat Adobe © 9.0 or similar compatible software.

Tenderers must submit, via email, the duly completed Form A1.1 Certificate of Intention to Submit a Tender prior to 28 February 2023, Failure to submit this certificate would result in the tenderer not receiving addenda or additional issued information and may result in the tenderer being non-responsive.

### **TENDERER'S MEETING**

A tenderer's clarification briefing presentation is available to be downloaded from the SANRAL website by the following link <https://www.nra.co.za/sanral-tenders/list/open-tenders>.

### **CLOSING TIME, COMPLETION AND DELIVERY OF TENDERS**

The closing time and date for receipt of tenders is 11:00 on Thursday 16 March 2023  
Telegraphic, telephonic, telex, e-mail, facsimile, and late tenders will not be accepted.

Tenders may only be submitted in the format as stated in the Tender Data.

Requirements for completing, sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

Queries relating to issues arising from these documents may be addressed to:

e-mail: [ProcurementHO7@sanral.co.za](mailto:ProcurementHO7@sanral.co.za)

## **T1.2 CONDITIONS OF TENDER**

### **Note to tenderer:**

**The conditions of tender are the standard conditions of tender as contained in Annexure C of the CIDB STANDARD FOR UNIFORMITY IN ENGINEERING AND CONSTRUCTION WORKS CONTRACTS as per Government Notice No. 423 published in Government Gazette No. 42622 of 08 AUGUST 2019 and as amended from time to time. (See [www.cidb.org.za](http://www.cidb.org.za) ).**

<https://www.cidb.org.za/wp-content/uploads/2021/07/Standard-for-Uniformity-August-2019.pdf>

The standard conditions of tender make several references to the tender data for details that apply specifically to this tender. The tender data shall have precedence in the interpretation of any ambiguity or inconsistency between the tender data and the standard conditions of tender.

Each item of data given below is cross-referenced to the clause marked "C" in the above-mentioned Standard Conditions of Tender.

### T1.3 TENDER DATA

The Standard Conditions is the **standard conditions of tender as contained in Annexure C of the CIDB STANDARD FOR UNIFORMITY IN ENGINEERING AND CONSTRUCTION WORKS CONTRACTS** and the Employer's Special Conditions of Tender for Procurement make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard/special conditions of tender.

Each item of data given below is cross-referenced to the clause marked "C" in the above-mentioned Standard Conditions of Tender and Special Conditions of Tender to which it mainly applies.

Clause Number	Tender Data
<b>C.1</b>	<b>GENERAL</b>
C.1.1	<p><b>Actions</b></p> <p>The Employer is The South African National Road Agency SOC Limited (SANRAL). The Employer's <i>domicilium citandi et executandi</i> (permanent physical business address) is:</p> <p>48 Tambotie Avenue VAL DE GRACE, 0184</p> <p>The Employer's address for communication relating to this project is:</p> <p>48 Tambotie Avenue VAL DE GRACE, 0184</p>
C.1.2	<p><b>Tender Documents</b></p> <p>The tender documents issued by the Employer will be in electronic format and comprise the following: (specific colours only applicable to the final signed contract document)</p> <p><b>Part T1: Tendering Procedures</b> T1.1 Tender notice and invitation to tender T1.2 Standard and Special Conditions of Tender T1.3 Tender data</p> <p><b>Part T2: Returnable Schedules</b> T2.1 List of returnable documents T2.2 Tender schedules</p> <p><b>Part C1: Agreements and contract data</b> C1.1 Form of offer and acceptance C1.2 Contract data C1.3 Other contract forms</p> <p><b>Part C2: Pricing data</b> C2.1 Pricing instructions C2.2 Pricing Schedules / Bills of Quantities</p> <p><b>Part C3: Scope of work</b> C3 Scope of work</p> <p><b>Part C4: Site Information</b> C4 Site Information</p>
C.1.3	<b>Interpretation</b>



Clause Number	Tender Data
	<p>Wherever reference is made in the documentation to Bill of Quantities it shall also mean Pricing Schedule.</p> <p>Wherever reference is made in the documentation to Contractor it shall also mean Service Provider.</p>
C.1.4	<p><b>Communication and employer's agent</b></p> <p>The Employer's agent can be contacted at <a href="mailto:ProcurementHO7@sanral.co.za">ProcurementHO7@sanral.co.za</a></p>
C.1.5	<b>Cancellation and Re-Invitation of Tenders</b>
C.1.5.3	Clause C.1.5.3 is not applicable
C.1.6	<p><b>Procurement Procedures</b></p> <p>A Single envelope system will be followed.</p>
C.1.6.2	<p><b>Competitive negotiation procedure</b></p> <p>Clause C.1.6.2 is not applicable.</p>
C.1.6.3	<p><b>Proposal procedure using the two stage-system</b></p> <p>Clause C.1.6.3 is not applicable.</p>
C.1.6.3.1	<p><b>Option 1</b></p> <p>Price negotiations.</p> <p>1. If the price offered by a tenderer scoring the highest points is not market related, the Organ of state may not award the tender to that tenderer.</p> <p><b>PPPFA Sub-Regulation 6(9) and 7(9)</b></p> <p>2. The Organs of state may –</p> <ul style="list-style-type: none"> <li>Negotiate a market related price with the tender scoring the highest points or cancel the tender;</li> <li>If the tenderer does not agree to a market related price, negotiate a market related price with the tenderer scoring the second highest points or cancel the tender;</li> <li>If the tenderer scoring the second highest points does not agree to a market related price, negotiate a market related price with the tenderer scoring the third highest points or cancel the tender;</li> </ul> <p>If a market related price is not agreed as envisaged in paragraph b(iii), the organ of state must cancel the tender.</p>
<b>C.2</b>	<b>Tenderer's Obligations</b>
C.2.1	<p><b>Eligibility</b></p> <p>Only those tenderers who satisfy the following criteria are eligible to submit tenders:</p>

Clause Number	Tender Data
	<p>1. Meet the minimum requirements for the key persons as stated in the Scope of Works in Clause C3.1.3: Personnel requirements.</p> <p>a) For inspection packages the tenderer must supply a minimum of 1 COTO accredited bridge inspector per team. The number of packages awarded will be limited to a maximum of 6 Packages per COTO accredited bridge inspector.</p> <p>b) For strategic and verification packages the tender must supply a minimum of 1 COTO accredited Senior bridge inspector</p> <p>2. <b>Registered on National Treasury Central Supplier Database.</b></p> <p>Tenderers, or in the event of a Joint Venture or a Targeted Enterprise, each member of the Joint Venture or Targeted Enterprise, shall be registered on the National Treasury Central Supplier Database at the closing date for tender submissions. If not registered as verified online at tender closing, the tenderer will be declared non-responsive.</p> <p>3. <b>Criteria for preferential procurement.</b></p> <p>Tenderers that have a B-BBEE contributor status level of 1, 2, 3 or 4.</p> <p>Tenderers shall submit a valid B-BBEE certificate or Sworn Affidavit (where applicable) in compliance with Tender Data C.3.11 as proof of eligibility.</p> <p>4. Tenderers sub-contracting a minimum of 30% to Targeted Enterprises (with a B-BBEE contributor status level of 1 or 2) in terms of Clause 4(1)(c) of the 2017 regulations to the Preferential Procurement Policy Framework Act, 2000. Unless the tenderer is an EME or a QSE, in which case there are no sub-contracting requirements.</p> <p>Tenderers are not required to submit the details of the subcontractor at time of tender. However by submitting a tender, the tenderer commits to subcontracting as per the terms above. ,</p> <p>Failure to satisfy the eligibility criteria will result in a non-responsive tender.</p>
C.2.2	<p><b>Cost of tendering</b></p> <p>Tender documents are available from SANRAL website at no cost.</p>
C.2.6	<p><b>Acknowledge addenda</b></p> <p>Failure to apply instructions contained in addenda may render a tenderer's offer non-responsive in terms of condition of tender C.3.8.</p>
C.2.7	<p><b>Clarification meeting</b></p> <p>The arrangements for a clarification briefing presentation are available on the following link <a href="https://www.nra.co.za/sanral-tenders/status?region_id=national">https://www.nra.co.za/sanral-tenders/status?region_id=national</a></p> <p>The onus rests with the tenderer to ensure that the representative reading the clarification briefing presentation is appropriately qualified to understand all directives and clarifications given in the clarification briefing presentation.</p> <p>The signature on the duly completed and signed Form A1 shall be considered proof that the tenderer read the whole clarification briefing presentation and clearly understood all directives and clarification given in the clarification briefing presentation.</p>
C.2.8	<p><b>Seek clarification</b></p>

Clause Number	Tender Data
	Request clarifications at least 12 (twelve) working days before the closing date.
C.2.9	<b>Insurance</b>  No insurance is provided by the Employer.
C.2.10	<b>Pricing the tender offer</b>  Tenderers are required to state the rates and currencies in Rand.  Separate forms, as part of the Pricing Schedule, has been provided wherein the Employer has provided hourly rates for different staff categories.  The hours tendered in these forms for percentage fee purposes and other appropriate stages will be utilised to calculate the appropriate lump sum for the different stages. These lump sums will become the applicable rates in the Pricing Schedule.  All rates and/or sums tendered shall not be negative.
C.2.12	<b>Alternative tender offers</b>  Alternative offers are generally not acceptable due to possible manipulation of the tender process and resulting complexity of the evaluation. Therefore, the submission of alternative tenders is strongly discouraged.  The submission of alternative key persons will be declared non-responsive, even if submitted with an alternative financial offer.  However, a tenderer wishing to submit an alternative offer shall first apply to the Employer with full details of the principles of the alternative for confirmation that the Employer's standards and requirements are not compromised or reduced. Such confirmation must have been provided by the Employer in writing at least 5 (five) working days before the date of tender closing, or as extended by an addendum sent to all tenderers. The application shall not be submitted later than 7 (seven) working days before the date of tender closing given in Tender Data Clause C.2.15.  Acceptable alternative offers will only be considered from a tenderer with the highest number of evaluation points for the main offer.
C.2.13	<b>Submitting a tender offer</b>
C.2.13.1	If a tenderer, including key persons, a joint venture partner or a Targeted Enterprise, submits or participates in more than one tender for the same project, then all such tenders shall be disqualified.
C.2.13.2	Wherever it is a requirement that the tenderer has to provide hours to match the price tendered and failed to do so, such imbalance cannot be corrected and will be declared non-responsive.  <b>Submission in the tender box</b> The tender offer should be submitted as follows: <ul style="list-style-type: none"> <li>• 1 x electronic/flash drive and 1 x hard copy (printed and bound), sealed in one clearly marked envelope.</li> </ul>
C.2.13.3	<b>Submission in the tender box</b>

Clause Number	Tender Data
	<p>The tenderer is required to upload all certificates as listed in the List of Returnable Schedules as scanned copies, in .pdf format, on the flash drive.</p> <p>Wherever reference is made in the tender documentation for non-financial proposal it shall also mean technical proposal.</p> <p>Submit only the signed original tender offer.  <b>(Note to tenderer: submit all returnable schedules as listed in Form T.2.1: List of Returnable Schedules.)</b></p>
C.2.13.6	<p><b>Submission in the tender box</b></p> <p>A Single envelope procedure will apply</p> <p><i>The tender shall be submitted in a sealed envelope with the words “<b>TENDER FOR: CONTRACT SANRAL 57000/1002/2022/1 FOR CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS</b>” clearly marked and bearing the Employer’s name, contract number and description as well as the Tenderer’s authorised representative’s name, postal address and contact details</i></p> <p><i>The envelope shall contain one complete and signed hard copy neatly bound. As well as one electronic copy on a flash drive in with the tender submission .pdf format.</i></p>
<b>C.2.15</b>	<b>Closing time</b>
C.2.15.1	<p><b>Submission in Tender box:</b></p> <p>Electronic submissions will not be accepted. The Employer’s address for delivery of tender offers and identification details to be shown on each tender offer package are: (Note to compiler: Insert the relevant data and ensure that it is the same as it appears in the Tender Notice.)</p> <p><b>SANRAL Northern Region</b></p> <p><b>Physical address:</b></p> <p>South African National Roads Agency SOC Ltd          Northern Region          38 Ida Street          Menlo Park          Pretoria</p> <p>Identification details: Place the signed original tender offer in a package marked</p> <p><b>CONTRACT SANRAL 57000/1002/2022/1          CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS</b></p> <p>Tenders must be submitted during office hours (09:00 to 16:00) Thursday to Friday at the Employer’s address.</p> <p>It is in the tenderer’s interest to ensure that the delivery of the tender offer is recorded in the Employer’s tenders received register and deposited in the tender box.</p>
C.2.15.2	<p>The closing time for submission of tender offers is 11:00 on Thursday, 16 March 2023</p> <p>Where closing date was extended, documents that were valid at the original closing date, remain valid for the extended closing date.</p>

Clause Number	Tender Data
<b>C.2.16</b>	<b>Tender offer validity</b>
C.2.16.1	The tender offer validity period is 180 days.
C.2.16.3	<p>Where a tenderer, at any time after the opening of his tender offer but prior to entering into a contract based on his tender offer:</p> <ul style="list-style-type: none"> <li>a) withdraws his tender;</li> <li>b) gives notice of his inability to execute the contract in terms of his tender; or</li> <li>c) fails to comply with a request made in terms of C.2.17, C.2.18 or C.3.9,</li> </ul> <p>such tenderer shall be barred from tendering on any of the Employer's tenders for a period to be determined by the Employer, but not less than 6 (six) months from a date determined by the Employer. This sanction also applies to tenders under evaluation and not yet awarded. This sanction does not apply to tenders under evaluation where a request for extension for the validity period was not accepted by the tenderer. The Employer may fully or partly exempt a tenderer from the provisions of this conditions if he is of the opinion that the circumstances justify the exemption.</p>
C.2.17	<p><b>Clarification of tender offer after submission</b></p> <p>Any clarification requested under this clause must be provided within 1 (one) working day of date of request.</p>
C.2.18	<p><b>Provide other material</b></p> <p>Any additional information requested under this clause must be provided within 5 (five) working days of date of request.</p>
C.2.19	<p><b>Inspections, tests, and analysis</b></p> <p>Clause C.2.19 is not applicable.</p>
<b>C.3</b>	<b>The Employer's undertakings</b>
C.3.1	<b>Respond to requests from the tenderer</b>
C.3.1.1	<p>The Employer shall respond to clarifications received up to 12 (twelve) working days before tender closing date.</p> <p>The Employer shall respond to any clarifications from the tenderers emanating from the addenda until 3 working days before tender closing date.</p>
C.3.2	<p><b>Issue Addenda</b></p> <p>The Employer shall issue addenda until 10 (ten) working days before tender closing date.</p>
<b>C.3.4</b>	<b>Opening of tender submissions</b>
C.3.4.1	<p>The time for opening of tenders via live streaming are:</p> <p><b>Time:</b> 11h00 on Thursday, 16 March 2023</p> <p><b>Location:</b> The link will be provided at a later stage.</p>
C.3.5	A Single envelope procedure will apply
C.3.7	<b>Grounds for rejection and disqualification</b>

Clause Number	Tender Data
	<p>Prior to disqualification in terms of section 14.1 of PPR 2017, the Employer shall inform the tenderer and give the tenderer an opportunity to make representations within 14 days as to why the tender submitted should not be disqualified and as to why the tenderer should not be restricted by the National Treasury from conducting any business with any organ of state for a period not exceeding 10 years.</p> <p>In the event of disqualification, the Employer may, at its sole discretion, claim damages from the tenderer and impose a specified period during which tender offers will not be accepted from the offending tenderer and, the Employer shall inform the National Treasury and the CIDB in writing.</p>
C.3.8  C.3.8.2	<p><b>Test for responsiveness</b></p> <p>A Substantially responsive tender is a tender in which all of the material information and documentation submitted at close of tender contains non-material and non-conformities to the bid specifications but are not related to price. The correction of any such documentation or information, or the condonement for the non-inclusion of any such document or information may not be prejudicial towards the offer and claimed preference of any responsive tender or be construed to be giving an unfair advantage to any tender.</p> <p>A responsive tender is also one that conforms to all the terms, conditions, and scope of work of the tender documents, without material omissions. The test for a material omission is the same as the test for a material deviation or qualification.</p> <p>The Employer will cancel a tender should all tenders be non-responsive, and no negotiations will be conducted.</p>
C.3.9	<p><b>Arithmetical errors, omissions, discrepancies, and imbalanced unit rates</b></p> <p>Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount appearing in the summary to the Pricing Schedule shall govern.</p> <p>Check responsive tender offers for:</p> <ol style="list-style-type: none"> <li>1. the gross misplacement of the decimal point in any unit rate;</li> <li>5. omissions made in completing the Pricing Schedule or Bills of Quantities; or</li> <li>6. arithmetic errors in: <ol style="list-style-type: none"> <li>a) line-item totals resulting from the product of a unit rate and a quantity in Bills of Quantities or Schedules of Prices; or</li> <li>b) the summation of the prices;</li> </ol> </li> <li>7. imbalanced unit rates.</li> </ol> <p>Notify shortlisted tenderers of all errors, omissions or imbalanced rates that are identified in their tender offers.</p> <p>Where the tenderer elects to confirm the errors, omissions, or re-balancing of imbalanced rates the tender offer shall be corrected as follows:</p> <ol style="list-style-type: none"> <li>a) if Bills of Quantities or Pricing Schedules apply and there is an error in the line-item total resulting from the product of the unit rate and the quantity, the unit rate shall govern, and the line-item total shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line-item total as quoted, and the unit rate shall be corrected.</li> <li>b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall be corrected.</li> </ol>

Clause Number	Tender Data
	<p>c) Where the unit rates are imbalanced, the tenderer shall adjust such rates by increasing or decreasing them and selected others while retaining the total of the prices derived after any other corrections made under (a) and (b) above.</p> <p>Where there is an omission of a line item, no correction is possible, and the offer will be declared non-responsive.</p> <p>Declare as non-responsive and reject any offer from a tenderer who elects not to accept the corrections proposed and/or fails to justify or balance the imbalanced rates to the satisfaction of the employer.</p> <p>The tenderer is required to submit balanced unit rates for Rate Only items in the Pricing Schedule. The rates submitted for these items will be taken into account in the evaluation of tenders.</p>
<b>C.3.11</b>	<b>Evaluation of tender offers</b>
	<p>Inspection packages will be awarded to the highest scoring bidder in terms of price and preference score. Up to the maximum number of packages based on the limitations mentioned below. In a manner that provides the best value for SANRAL.</p> <p><b>Inspection Packages</b></p> <p>In order to be eligible be awarded inspection packages the tenderer Must supply a minimum of 1 COTO accredited Bridge inspector. The number of packages awarded will be limited to a maximum of 6 Packages per COTO accredited bridge inspector.</p> <p>The tender may bid on all available packages. However, the tender may choose to only bid on a selection of packages. Packages that are not priced (where the price is equal to R0 (Zero rands) will be considered to have not been Bid on and will not be consider for award to a tenderer.</p> <p>The tenderer may also indicate the maxim limit the number of packages that should be awarded to them. Based on their own capacity constraints. This must be indicated on Form B 2.3</p> <p><b>Strategic and Verification Packages</b></p> <p>For strategic and verification packages the tender must supply a minimum of 1 COTO accredited Senior bridge inspector.</p> <p>Two strategic and verification packages will be awarded per region. A tender will be awarded a maximum of 1 strategic and verification package per region.</p> <p>A tenderer may bid on all regions</p> <p>A tenderer may bid on a subset of regions Packages that are not priced (where the price is equal to R0 (Zero rands) will be considered to have not been Bid on and will not be consider for award to a tenderer.</p> <p>A tenderer may bid on no strategic and verification packages.</p>
<b>C.3.11</b>	<p><b>Evaluating price and preference</b></p> <p>The tender will be evaluated in terms of SANRAL's in terms of Preferential Procurement Policy Framework Act (PPPFA, Act 5 of 2000).</p> <p><b>80/20 preference point system for acquisition of goods and services for Rand value equal to or above R2 000 and up to R50 million</b></p> <p>The following formula will be used to calculate thee points out of 80 for price:</p> $Ps = 80(1 - (Pt - Pm) / Pm)$

Clause Number	Tender Data																														
	<p>Where:</p> <p>Ps is the points scored for price of tender under consideration. Pt is the price of the tender under consideration; and Pm is the price of the lowest acceptable tender.</p> <p><b>90/10 preference point system for acquisition of goods and services for Rand value above R50 million</b></p> <p>The following formula will be used to calculate three points out of 90 for price:</p> <p><math>Ps = 90(1 - (Pt - Pm) / Pm)</math></p> <p>Where:</p> <p>Ps is the points scored for price of tender under consideration. Pt is the price of the tender under consideration; and Pm is the price of the lowest acceptable tender.</p> <p>In the event that the calculated value is negative, the allocated score shall be 0 (zero).</p> <p>Preference points are based on a tenderer's scorecard measured in terms of the Broad-Based Black Economic Empowerment Act (B-BBEE, Act 53 of 2003 as amended in Act 46 of 2013) and the Preferential Procurement Policy Framework Act (PPPFA, Act 5 of 2000).</p> <p>The following table must be used to calculate the points out of 20 or 10 for B-BBEE:</p> <table><tr><th>B-BBEE Status Level of contributor</th><th>Number of Points for financial value up to and including R50 000 000</th><th>Number of Points for financial value above R50 000 000</th></tr><tr><td>1</td><td>20</td><td>10</td></tr><tr><td>2</td><td>18</td><td>9</td></tr><tr><td>3</td><td>14</td><td>6</td></tr><tr><td>4</td><td>12</td><td>5</td></tr><tr><td>5</td><td>8</td><td>4</td></tr><tr><td>6</td><td>6</td><td>3</td></tr><tr><td>7</td><td>4</td><td>2</td></tr><tr><td>8</td><td>2</td><td>1</td></tr><tr><td>Non-complaint contributor</td><td>0</td><td>0</td></tr></table> <p>Eligibility for B-BEE points is subject to the following conditions:</p> <ol style="list-style-type: none"><li>A tenderer's scorecard shall be a B-BBEE Certificate issued in accordance with:<ul style="list-style-type: none"><li>the amended Construction Sector Codes published in Notice 931 of 2017 of Government Gazette No. 41287 on 1 December 2017 by the Department of Trade and Industry; or</li><li>in the event that the Measured Entity operates in more than one sector or a sub-sector, the scorecard for the sector or sub-sector in which the majority of its core activities (measured in terms of annual revenue) are located will be acceptable.</li></ul></li><li>The scorecard shall be submitted as a certificate attached to Returnable Schedule Form D1; and</li></ol>	B-BBEE Status Level of contributor	Number of Points for financial value up to and including R50 000 000	Number of Points for financial value above R50 000 000	1	20	10	2	18	9	3	14	6	4	12	5	5	8	4	6	6	3	7	4	2	8	2	1	Non-complaint contributor	0	0
B-BBEE Status Level of contributor	Number of Points for financial value up to and including R50 000 000	Number of Points for financial value above R50 000 000																													
1	20	10																													
2	18	9																													
3	14	6																													
4	12	5																													
5	8	4																													
6	6	3																													
7	4	2																													
8	2	1																													
Non-complaint contributor	0	0																													



Clause Number	Tender Data
	<p>9. <b>The certificate shall:</b></p> <ul style="list-style-type: none"> <li>• be valid at the tender closing date; and</li> <li>• have been issued by a verification agency accredited by the South African National Accreditation System (SANAS)</li> <li>• be in the form of a sworn affidavit (accompanied by a financial statement or Management Account on the latest financial year) or a certificate issued by the Companies and Intellectual Property Commission in the case of an Exempted Micro Enterprise (EME) with a total annual revenue of less than R3 million if issued in accordance with the amended Construction Sector Codes published in Notice 931 of 2017 of Government Gazette No. 41287 on 1 December 2017 by the Department of Trade and Industry; and</li> <li>• have a date of issue less than 12 (twelve) months prior to the original advertised tender closing date (see Tender Data C.2.15);</li> </ul> <p>10. <b>A valid B-BBEE Certificate must contain:</b></p> <ul style="list-style-type: none"> <li>• Name of enterprise as per enterprise registration documents issued by CIPC, and enterprise business address.</li> <li>• Value-Added Tax number, where applicable.</li> <li>• The B-BBEE Scorecard against which the certificate is issued, indicating all elements and scores achieved for each element. The actual score achieved must be linked to the total points as per the relevant Codes.</li> <li>• B-BBEE status with corresponding procurement recognition level.</li> <li>• Have a date of issue and expiry (e.g., 9 June 2018 to 8 June 2019). Where a measured entity was subjected to a re-verification process, due to material change, the B-BBEE Verification Certificate must reflect the initial date of issue, date of re-issue and the initial date of expiry. Re-verification does not extend the lifespan of the B-BBEE Verification Certificate;</li> <li>• Financial period which was used to issue the B-BBEE Verification Certificate.</li> </ul> <p>11. <b>A valid Sworn Affidavit must contain:</b></p> <ul style="list-style-type: none"> <li>• Name/s of deponent as they appear in the identity document and the identity number.</li> <li>• Designation of the deponent as either the director, owner or member must be indicated in order to know that person is duly authorised to depose of an affidavit.</li> <li>• Name of enterprise as per enterprise registration documents issued by the CIPC, where applicable, and enterprise business address.</li> <li>• Percentage black ownership, black female ownership and whether they fall within a designated group.</li> <li>• Indicate total revenue for the year under review and whether it is based on audited financial statements or management accounts.</li> <li>• Financial year-end as per the enterprise's registration documents, which was used to determine the total revenue. The valid format of the Financial Year-End is Day/Month/Year.</li> <li>• B-BBEE status level. An enterprise can only have one status level.</li> <li>• Date deponent signed and date of Commissioner of Oath must be the same.</li> <li>• Commissioner of Oath cannot be an employee or ex officio of the enterprise because, a person cannot by law, commission a sworn affidavit in which they have an interest.</li> </ul> <p>12. Compliance with any other information requested to be attached to Returnable Schedule Form D1; and</p> <p>13. In the event of an un-incorporated Joint Venture (JV), a project-specific consolidated (must contain SANRAL's project/contract number) valid B-BBEE verification certificate in the name of the JV and issued by a verification agency accredited by the South African National Accreditation System (SANAS) shall be submitted.</p>

Clause Number	Tender Data
	<p>14. The points scored by a tenderer for B-BBEE must be added to the points scored for price.</p> <p>15. The points scored must be rounded off to the nearest two decimal places.</p> <p>16. <b>Sub-Regulation 6(5) and 7(5)</b></p> <p>If the tender documents indicate that the tenderer intends subcontracting more than 25% of the value of the contract to any other person not qualifying for at least the status level that the tenderer qualifies for, 0 (zero) points for preference shall be awarded, unless the intended subcontractor is an EME that has the capability to execute the subcontract and the value of the work is below the EME threshold.</p> <p>17. <b>Criteria for breaking deadlock</b></p> <p>a) If two or more tenders score the same number of points and these tenders are also the highest ranked tenders, the tender with the highest preference points will be recommended for award.</p> <p>b) If functionality is part of the evaluation process and two or more tenders score equal total points and equal preference points, the tender that scored the highest points for functionality will be recommended for award.</p> <p>c) If two or more tenders score the same number of financial points and preference points and these tenders are also the highest ranked tenders, the tenderer to be recommended for award will be decided by the drawing of lots.</p>
C.3.13	<p><b>Acceptance of tender offer</b></p> <p>The conditions stated in clauses C.3.13(a) to (f) of the Conditions of Tender as well as the following additional clauses C.3.13(g) to (k) shall be applied as objective criteria in terms of section 2(1)(f) of the Preferential Procurement Policy Framework Act, 2000 (Act No 5 of 2000) and as compelling and justifiable reasons not to award to the highest scoring tenderer:</p> <p>a) the tenderer or any of its directors is not listed on National Treasury's Register of Tender Defaulters or Restricted Suppliers, or the Employer's database, in terms of the Prevention and Combating of Corrupt Activities Act, 2004 (Act No 12 of 2004) as a tenderer or person prohibited from doing business with the public sector;</p> <p>b) the tenderer has not abused the Employer's supply chain management system; and</p> <p>c) the tenderer has not failed to perform on any previous contract and has not been given a written notice to this effect.</p> <p>d) the tenderer is tax compliant. The recommended tenderer who becomes non-compliant, prior to award, shall be notified and must become compliant within 7 working days of the date of being notified. A recommended tenderer who remains non-compliant after the 7 working days of being notified, shall be declared non-responsive.</p> <p>e) the proposed Key Persons are not fully committed to the maximum number of projects in which they can participate, see Clause C3.1.11(f) in the Scope of Works</p> <p>In addition to the requirements in the Conditions of Tender, with regard to, where the associated risk is foreseen, in the event that a due diligence is performed as part of the tender evaluation, the due diligence report will be used to evaluate the tenderer's ability to perform the contract as stated in sub-clause C.3.13 (b).</p>

Clause Number	Tender Data
	<p>The due diligence will evaluate the overall risk associated with the tender. The due diligence will take into consideration the following:</p> <ul style="list-style-type: none"> <li>• Assessment of financial statements to assess the financial position of the tenderer and its ability to obtain the necessary guarantees or insurances;</li> <li>• Integrity risk evaluation;</li> <li>• Operations, activities, locations, and key customers;</li> <li>• Reference checks from previous clients; and</li> <li>• Risk rating (i.e., high risk, medium to high risk, medium risk, or low risk) of the tenderer.</li> </ul>
C.3.16	<p><b>Registration of the award</b></p> <p>The Employer will notify unsuccessful tenderers when the tender process has been concluded. Any unsuccessful tenderer may request a debriefing in writing as specified in Clause C.3.18.</p>
C.3.17	<p><b>Provide copies of the contracts</b></p> <p>The number of paper copies of the signed contract to be provided by the Employer is 1.</p>
C.3.18	<p><b>Provide written reasons for actions taken</b></p> <p>All requests from tenderers shall be in writing.</p>
<b>SPECIAL CONDITIONS OF TENDER CLAUSES:</b>	
SC3.19	<p><b>Jurisdiction</b></p> <p>Unless stated otherwise in the tender data, each tenderer and the Employer undertake to accept the jurisdiction of the law courts of the Republic of South Africa.</p>

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## **PART T2    RETURNABLE SCHEDULES**

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## PART T2: RETURNABLE SCHEDULES

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**FORM A1: CERTIFICATE CONFIRMING THAT THE TENDERER READ THE PRESENTATION BRIEFING OR ATTENDED THE COMPULSORY CLARIFICATION MEETING**

**Note to Tenderer:**

1. Scan a copy of completed and signed Certificate on the flash drive.

This is to certify that I, .....

representative of (insert name of tenderer) .....

.....

of (address).....

.....

.....

telephone number .....

fax number .....

e-mail .....

read the tender presentation presented by the Employer online.

TENDERER'S REPRESENTATIVE

(Signature).....Date.....

## FORM A1.1: CERTIFICATE OF INTENTION TO SUBMIT A TENDER

### Notes to Tenderer:

1. The duly completed certificate of intention to submit a tender must be submitted by whoever intends to tender for this particular tender by **28 February 2023 (7) calendar days post the date the tender is advertised**. Failure to submit the certificate of intention to tender within the required period may render the tenderer non-responsive and SANRAL does not accept responsibility for any communication not received by the tenderer timeously.
18. Late notification of intention to tender by a prospective tenderer will not necessarily result in the tender closing date being extended.
19. Should you intend to submit a tender for this particular tender please sign the certificate, scan and email the completed document to the email address indicated in T1.1 of this tender document.
20. The Employer shall send all correspondence, including Addenda, only to the Tenderer's email address as provided herein.

This is to certify that I, .....

.....

representative of (insert name of tenderer) .....

of (address)

.....

.....

telephone number .....

fax number .....

e-mail .....

intends to submit a tender in response to the tender notice and invitation for tender this contract.

TENDERER'S REPRESENTATIVE .....  
(Signature)

Date .....



## FORM A2.1: CERTIFICATE OF AUTHORITY FOR SIGNATORY

### Notes to tenderer:

1. The signatory for the tenderer shall confirm his/her authority thereto by attaching on the tendering company's letterhead a duly signed and dated copy of the relevant resolution of the board of directors/partners. Scan a copy of the resolution on the flash drive
21. In the event that the tenderer is a joint venture, a certificate is required from each member of the joint venture clearly setting out:
  - authority for signatory,
  - undertaking to formally enter into a joint venture contract should an award be made to the joint venture,
  - name of the designated lead member of the intended joint venture, as required by tender condition 4.13.2.
22. The resolution below is given as an example of an acceptable format for authorisation, but submission of this page with the example completed shall not be accepted as authorisation of the tenderer's signatory.
23. In the event that authorisation is for more than one project, then all projects shall be listed in the copy of the resolution of the Board of Directors/Partners.

By resolution of the board of directors/partners passed at a meeting held on .....

Mr/Ms ..... whose signature appears below, has been duly authorised to sign all documents in connection with the tender for contract no. SANRAL 57000/1002/2022/1 CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS

and any contract which may arise therefrom on behalf of (enter name of tenderer in block capitals) .....

SIGNED ON BEHALF OF THE COMPANY: .....

IN HIS/HER CAPACITY AS: .....

DATE: .....

SIGNATURE OF SIGNATORY: .....

WITNESSES: .....

SIGNATURE

SIGNATURE

NAME (print)

NAME (print)

---

**FORM A2.2: DECLARATION OF TENDERER'S CURRENT STATUS OF ANY DEBT OUTSTANDING TO SANRAL**

**Notes to tenderer:**

1. The signatory for the tenderer (as per Form A2.1) shall complete and sign this form declaring the current status of (any) debt outstanding to SANRAL.
24. In the event that the tenderer is a Joint Venture, a declaration is required from each member of the Joint Venture.

I, the undersigned, ..... declare that:

- i) the tenderer or any of its Directors/Members do not have any debt outstanding to SANRAL, other than what is listed below:

.....  
.....  
.....  
.....

- ii) the tenderer and/or any of its Directors/Members freely, voluntarily and without undue duress unconditionally authorises SANRAL to set off any debts agreed to which is due and payable by the tenderer or any of its Directors/Members in terms of this declaration against any moneys due to the tenderer or any of its Directors/Members.

- iii) to the best of my knowledge the above information is true and accurate.

Signed and sworn before me at ..... on the ..... day of  
..... 20.....

.....  
SIGNATURE

The deponent having:

1. Acknowledged that he/she knows and understands the contents hereof;
2. Confirmed that he/she has not objection to the taking of the prescribed oath;
3. That he/she considered the prescribed oath as binding upon his/her conscience; and
4. The Regulations contained in the Government Gazette Notice R1258 of July 1972 and R 1648 of August 1977 having been complied with.

.....  
COMMISSIONER OF OATHS

## FORM A2.3: CERTIFICATE OF SINGLE TENDER SUBMISSION

### Notes to tenderer:

1. This certificate serves as a declaration by the tenderer that a single tender was submitted.
25. In the case of a Joint Venture (JV), a Targeted Enterprise or sub-contracted Key Person(s), a separate certificate is to be completed and submitted by each JV member, Targeted Enterprise, or sub-contracted Key Person(s).

### DECLARATION

I, the undersigned, .....  
in submitting the accompanying tender on behalf of the tenderer do hereby make the following statements that I certify to be true and complete in every respect:

1. I have read and understand the notes to, and the contents of, this certificate.
26. I understand that the accompanying tender and any other tender shall be disqualified in the event that I, including a Joint Venture partner, a Targeted Enterprise or a sub-contracted Key Person(s), participate in more than 1 (one) tender.

SIGNATURE: .....

DATE: .....

NAME: .....

POSITION: .....

**FORM A2.4: CERTIFICATE OF FRONTING PRACTICES****Fronting Practices**

Window-dressing: This includes cases in which black people are appointed or introduced to an enterprise on the basis of tokenism and may be:

- Discouraged or inhibited from substantially participating in the core activities of an enterprise; and
- Discouraged or inhibited from substantially participating in the stated areas and/or levels of their participation;

**Benefit Diversion:** This includes initiatives implemented where the economic benefits received as a result of the B-BBEE Status of an enterprise do not flow to black people in the ratio as specified in the relevant legal documentation.

**Opportunistic Intermediaries:** This includes enterprises that have concluded agreements with other enterprises with a view to leveraging the opportunistic intermediary's favourable B-BBEE status in circumstances where the agreement involves:

- Significant limitations or restrictions upon the identity of the opportunistic intermediary's suppliers, Service Providers, clients, or customers;
- The maintenance of their business operations in a context reasonably considered improbable having regard to resources; and
- Terms and conditions that are not negotiated at arms-length on a fair and reasonable basis.

**Responsibility to Report Fronting**

In order to effectively deal with the scourge of Fronting, verification agencies, and/or procurement officers and relevant decision makers are encouraged to obtain a signed declaration from the clients or entities that they verify or provide business opportunities to, which states that the client or entity understands and accepts that the verification agency, procurement officer or relevant decision maker may report Fronting practices to the dti. Intentional misrepresentation by measured entities may constitute fraudulent practices, public officials and verification agencies are to report such cases to **the dti**.

**Fronting Indicators**

• The black people identified by an enterprise as its shareholders, executives or management are unaware or uncertain of their role within an enterprise;
• The black people identified by an enterprise as its shareholders, executives or management have roles of responsibility that differ significantly from those of their non-black peers;
• The black people who serve in executive or management positions in an enterprise are paid significantly lower than the market norm, unless all executives or management of an enterprise are paid at a similar level;
• There is no significant indication of active participation by black people identified as top management at strategic decision-making level;
• An enterprise only conducts peripheral functions and does not perform the core functions reasonably expected of other, similar, enterprises;
• An enterprise relies on a third-party to conduct most core functions normally conducted by enterprises similar to it;
• An enterprise cannot operate independently without a third-party, because of contractual obligations or the lack of technical or operational competence;

• The enterprise displays evidence of circumvention or attempted circumvention;
• An enterprise buys goods or services at a significantly different rate than the market from a related person or shareholder;
• An enterprise obtains loans, not linked to the good faith share purchases or enterprise development initiatives, from a related person at an excessive rate; and
• An enterprise shares all premises and infrastructure with a related person, or with a shareholder with no B-BBEE status or a third-party operating in the same industry where the cost of such premises and infrastructure is disproportionate to market-related costs.

## DECLARATION

I, the undersigned, .....

in submitting the accompanying tender on behalf of the tenderer do hereby make the following statements that I certify to be true and complete in every respect:

1. I have read and understand the contents of this certificate.
27. I accept that the Employer may report fronting practices to the Department of Trade and Industry and the B-BBEE Commissioner.
28. I accept that intentional misrepresentation by measured entities may constitute fraudulent practices that shall be reported to the Department of Trade and Industry and the B-BBEE Commissioner.

SIGNATURE: .....

DATE: .....

NAME: .....

POSITION: .....

## **FORM A2.5: DECLARATION – MANAGEMENT OF PROMINENT INFLUENTIAL PERSONS**

### **Notes to Tenderer:**

1. In line with a policy on the management of Prominent Influential Persons (PIP's), the purpose of this declaration form is to ensure maintenance and monitoring of the business relationships with prominent, influential stakeholders who have domestic and/or foreign influence as far as the procurement under the management of the Employer is concerned. This is done to mitigate the Employer's perceived association, reputational, operational, or legal risk, as it strives to foster and maintain fair and transparent business relations. (This policy is available on the Employer's website: [www.nra.co.za](http://www.nra.co.za))
29. It is compulsory that all prospective and existing tenderers conducting business with the Employer, who potentially meet the definition of DPIP's, FPPO's or FIN's, complete this form by supplying credible information as required and submit together with their tender document.
30. Tenderers are required at the tender stage to declare any DPIP's, FPPO's or FIN's involved in their tenders, as part of their submission.
31. Further, that tenderers shall at the tender stage furnish the Employer of all information relating to namely, shareholders names, identity numbers and share certificates of the individual and/or transaction concerned using the form below, for verification purposes, including where applicable, confirmation as it relates to:
  - a) Knowledge of any offence within the meaning of Chapter 2, Section 12 and 13 of Prevention and Combating of Corrupt Practices Act No 4 of 2006; and/or
  - b) Knowledge of any offence within the meaning of Chapter 3 of Prevention of Organised Crime Act No 121 of 1998 as it relates to any of the shareholders, directors, owners and/or individual link to the tenderer.
32. Tenderers undertake that should it be discovered that the information provided in the table below is fraudulently or negligently misrepresented, then Chapter 9, Section 214 and 216 of Companies Act No 17 of 2008 shall apply to shareholders, directors, owners and/or individual link to the tenderer.
33. Should the tenderer fail to declare or supply the Employer with credible information in the prescribed form, the tender may be rendered invalid.
34. Should the Employer, in the process of conducting verification and investigation of information supplied by the tenderer find out that the information poses a reputational risk, the tender shall be rendered invalid.
35. The following definitions shall apply:
  - a) "Board" means the Board of Directors or the Accounting Authority of the Employer.
  - b) "Business relationship" means the connection formed between the Employer and external stakeholders for commercial purposes.
  - c) "DD" means Due Diligence.
  - d) "Domestic Prominent Influential Person" means an individual who holds an influential position, including in an acting position for a period exceeding 6 (six) months, or has held at any time in the preceding 12 (twelve) months, in the Republic, as defined in the Financial Intelligence Centre Amendment Act No 1 of 2017.
  - e) "DPIP" means a Domestic Prominent Influential Person.
  - f) "Family members and known close associates" means immediate family members and known close associates of a person in a foreign or domestic prominent position, as the case may be, as defined in the Financial Intelligence Centre Amendment Act No 1 of 2017.
  - g) "Foreign Influential National" means an individual who is not a South African citizen or does not have a permanent residence permit issued in terms of the Immigration Act No 13 of 2002, who possesses personal power that induces another person to give consideration or to act on any basis other than the merits of the matter.
  - h) "Foreign Prominent Public Official" means (as defined in the Financial Intelligence Centre Amendment Act No 1 of 2017) an individual who holds or has held at any time in the preceding 12 (twelve) months, in any foreign country a prominent public function.
  - i) "FPPO" means a Foreign Prominent Public Official.
  - j) "Improper influence" means personal power that induces another person to give consideration or to act on any basis other than the merits of the matter.
  - k) "The Employer" means the South African National Roads Agency SOC Limited (SANRAL) with registration number 1998/009584/30.

36. l) **“Senior Management” means the Executive Committee or its individual members.**  
**A separate declaration is required from each DPIP, FPPO and FIN. In the event that the tenderer is a Joint Venture (JV), a separate declaration from each DPIP, FPPO and Fin from each of the Joint Venture (JV) members, is required.**

**Prominent Influential Persons (PIP's) Reporting Form**

IDENTIFICATION PARTICULARS				
Primary Particulars	First Name	Surname	Middle Name	ID/Passport Number
Country Details	Country of Origin	Citizenship	Current Country of Residence	
CURRENT STATUS AND BACKGROUND				
Current Occupation	Occupational Title		Status	
			Active	Non-active
Is the potential/business partner (mark with an “X” whichever is applicable):				
a DPIP	a FPPO	a FIN	Family member or Close Associate of a DPIP/FPPO/FIN?	
KNOWN BUSINESS INTERESTS				
No	Name of Entity	Role in Entity	Status	
1			Active	Non-active
2				
3				
4				
5				
6				
7				
8				
9				
10				

**MEDIA REPORTS / OTHER SOURCES OF INFORMATION**

(Please reference all known negative or damaging media reports associated with the DPIP/FPPO/FIN)

**Reporting Person/s:**

Full names:		
Designation:		
Department:		
Head of Department:		
Head of Department's signature:	Date:	
Reporting Person's signature:	Date:	

**DECLARATION / UNDERTAKING BY THE TENDERER**

I, the undersigned, .....  
 declare that:

1. the information furnished on this declaration form is true and correct.
37. I accept that, any action may be taken against me should this declaration prove to be false.

SIGNATURE: .....

NAME: .....

POSITION: .....

DATE: .....

NAME OF TENDERER:.....



**FORM A2.6: CERTIFICATE OF PERMISSION TO CONDUCT DUE DILIGENCE INVESTIGATION**

**Notes to tenderer:**

1. The tenderer shall complete the declaration below.
38. In the event of a Joint Venture (JV), each member of the JV shall comply with the above requirements.

I, ..... (name),  
the undersigned in my capacity as .....  
..... (position), on behalf of  
.....  
..... (name of company),  
herewith grant consent that SANRAL or any of their appointed Service Providers may conduct a due diligence investigation on .....  
..... (name of company)  
to evaluate our ability to perform the contract as stipulated in the Standard Conditions of Tender, Clause C.3.13(b).

In addition, any information in this regard requested by SANRAL or any of their appointed Service Providers, shall be submitted within the timelines of the request.

.....  
**SIGNATURE**

.....  
**DATE**

## FORM A2.7: DECLARATION OF INDEPENDENT TECHNOLOGY-BASED INTELLECTUAL SERVICE PROVIDER

### Notes to tender: Not Applicable

1. The signatory for the tenderer (as per Form A2.1) shall complete and sign this form.
39. In the event that the tenderer is a Joint Venture, a declaration is required from each member of the Joint Venture.
40. Failure to declare may result in a non-responsive tender.

I, the undersigned, ..... declare that the tenderer

1. Is a natural person or legal entity which provides independent technology-based intellectual services in the built, human, and natural environment to clients for a fee;
41. Is not engaging in or is not a subsidiary or holding company that engages in manufacturing or construction;
42. Is not in substance owned by the State or a similar public body;
43. Is not in substance the design department of a development, manufacturing, or construction enterprise.

Signed and sworn before me at ..... on the ..... day of

..... 20.....

.....  
SIGNATURE

The deponent having:

1. Acknowledge that he/she knows and understands the contents hereof,
44. Confirmed that he/she has no objection to the taking of the prescribed oath,
45. That he/she considered the prescribed oath as binding on his/her conscience, and
46. The Regulations contained in the Government Gazette Notice R1258 of July 1972 and R1648 of August 1977 having been complied with.

.....  
COMMISSIONER OF OATHS

## FORM A3.1: COMPULSORY DECLARATION (INCORPORATING SBD4)

### BIDDER'S DISCLOSURE

#### Notes to tenderer:

#### Definitions:

"State" means:

- a) any National or Provincial Department, National or Provincial Public Entity or Constitutional Institution within the meaning of the Public Finance Management Act, 1999 (Act No 1 of 1999);
- b) any Municipality of Municipal Entity;
- c) Provincial Legislature;
- d) National Assembly or the National Council of Provinces; or
- e) Parliament.
- f) "Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

In the case of a joint venture (JV), a separate declaration form is to be completed and submitted by each JV member.

If the Form is omitted or blank; or if the tenderer found to have failed to declare conflict or declare false information, The tender will be declared non-responsive and should it be discovered after the award of a contract, contract may be terminated and tenderer will be ultimately restricted from doing business with the State.

#### PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

#### BIDDER'S DECLARATION

Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest<sup>1</sup> in the enterprise, employed by the state?

YES/NO

If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

---

<sup>1</sup> the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.


Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?

YES/NO

If so, furnish particulars:

.....  
 .....

Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

YES/NO

If so, furnish particulars:

.....  
 .....

## DECLARATION

1. I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:
47. I have read and I understand the contents of this disclosure;
48. I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
49. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement, or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as collusive bidding.
50. In addition, there have been no consultations, communications, agreements, or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
51. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
52. There have been no consultations, communications, agreements, or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the

<sup>2</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill, and knowledge in an activity for the execution of a contract.

bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

53. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

**I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.  
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH  
6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE  
SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.**

.....	.....
Signature	Date
.....	.....
Position	Name of bidder

## **FORM A3.2: CERTIFICATE OF INDEPENDENT TENDER (INCORPORATING SBD9)**

### **Notes to tenderer:**

1. **This certificate conforms to Treasury Regulation 16A9 and the requirement of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, that prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms if it is between parties in a horizontal relationship and if it involves collusive tendering.**
54. **Collusive tendering is a conspiracy between businesses that would normally be expected to compete, to agree not to compete, in a tender process.**
55. **This certificate serves as a declaration by the tenderer that the tender submitted is free from any collusion with a competitor.**
56. **In the case of a joint venture (JV), a separate certificate is to be completed and submitted by each JV member.**
57. **If the tenderer is found to have failed to declare conflict of interest or declare false information, the tender will be declared non-responsive and should it be discovered after contract award will be ultimately barred from tendering.**

### **Declaration**

I, the undersigned, in submitting the accompanying tender on behalf of the tenderer do hereby make the following statements that I certify to be true and complete in every respect:

1. I have read and understand the notes to, and the contents of, this Certificate;
58. I understand that the accompanying tender will be disqualified if this Certificate is found to be not true and complete in every respect;
59. I am authorised by the tenderer to sign this Certificate, and to submit the accompanying tender, on behalf of the tenderer;
60. Each person whose signature appears on the accompanying tender has been authorised by the tenderer to determine the terms of, and to sign the tender, on behalf of the tenderer;
61. For the purposes of this Certificate and the accompanying tender, I understand that the word "competitor" shall include any individual or organisation, other than the tenderer, whether or not affiliated with the tenderer, who:
  - a) has been requested to submit a tender in response to this tender invitation;
  - b) could potentially submit a tender in response to this tender invitation, based on their qualifications, abilities, or experience; and
  - c) provides the same goods and services as the tenderer and/or is in the same line of business as the tenderer.
62. The tenderer has arrived at the accompanying tender independently from, and without consultation, communication, agreement, or arrangement with any competitor. However, communication between partners in a joint venture or consortium will not be construed as collusive tendering.
63. In particular, without limiting the generality of statement 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
  - a) prices;
  - b) geographical area where product or service will be rendered (market allocation);
  - c) methods, factors, or formulas used to calculate prices;
  - d) the intention or decision to submit, or not to submit, a tender;
  - e) the submission of a tender which does not meet the specifications and conditions of the tender; or
  - f) tendering with the intention not to win the tender.

64. In addition, there have been no consultations, communications, agreements, or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this tender relates.
65. The terms of the accompanying tender have not been, and will not be, disclosed by the tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening or of the awarding of the contract.
66. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to tenders and contracts, tenders that are suspicious will be reported to the Competitions Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No. 89 of 1998 and/or may be reported to the National Prosecuting Authority for criminal investigation and/or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No. 12 Of 2004 or any other applicable legislation.

1.1.1

SIGNATURE: .....

DATE: .....

NAME: .....

POSITION: .....

**FORM A3.3: DECLARATION OF TENDERER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES (INCORPORATING SBD8)****Notes to tenderer:**

1. **This declaration:**
  - a) **must form part of all tenders submitted.**
  - b) **in the case of a joint venture (JV), must be completed and submitted by each member of the JV**
67. **This form serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.**
68. **The tender of any tenderer may be disregarded if that tenderer or any of its directors have –**
  - a) **abused the institution's supply chain management system;**
  - b) **committed fraud or any other improper conduct in relation to such system; or**
  - c) **failed to perform on any previous contract.**
69. **In order to give effect to the above, the following questionnaire must be completed and submitted with this tender.**
70. **If this form is omitted or blank, the tender will be declared non-responsive.**

4.1	Is the tenderer or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?  <b>Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/ Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied.</b>  The Database of Restricted Suppliers now resides on the National Treasury website ( <a href="http://www.treasury.gov.za">www.treasury.gov.za</a> ) and can be accessed by clicking on its link at the bottom of the home page.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If Yes, furnish particulars:		
4.2	Is the tenderer or any of its directors listed on the Register for Tender Defaulters in terms of Section 29 of the Prevention and Combatting of Corrupt Activities Act (No. 12 of 2004)?  <b>The Register for Tender Defaulters can be accessed on the National Treasury website (<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) by clicking on its link at the bottom of the home page.</b>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If Yes, furnish particulars:		
4.3	Was the tenderer or any of its directors convicted by a court of law (including a court outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If Yes, furnish particulars:		



4.4	Was any contract between the tenderer and any organ of State terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If Yes, furnish particulars:		

**CERTIFICATION**

I, the undersigned, .....  
 certify that the information furnished on this declaration form is true and correct.

I accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

SIGNATURE: .....

NAME: .....

POSITION: .....

DATE: .....

NAME OF TENDERER: .....

**FORM A3.4: REGISTRATION ON NATIONAL TREASURY CENTRAL SUPPLIER DATABASE**

The tenderer shall provide a printed copy of the Active Supplier Listing on the National Treasury Central Supplier Database ([www.treasury.gov.za](http://www.treasury.gov.za)). Tenderers who are not registered on the Central Supplier Database at tender closure will be declared non-responsive (refer to Tender Data, Clause C.2.1.1). In the case of a Joint Venture or a Targeted Enterprise, a printed copy of the Active Supplier Listing must be provided for each member of the Joint Venture or Targeted Enterprise.

Name of Service Provider: .....

Central Supplier Database Supplier Number: .....

Supplier Commodity: .....

Delivery Location: .....

**FORM A4: SCHEDULE OF DEVIATIONS OR QUALIFICATIONS BY TENDERER**

PAGE	DESCRIPTION

**FORM A5: SCHEDULE OF ADDENDA TO TENDER DOCUMENTS**

**Note to tenderer:**

**If an addendum containing material amendments is not incorporated by the tenderers in his tender offer, the tender will be declared non-responsive.**

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:		
	<b>Date</b>	<b>Title or Details</b>
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

.....  
**SIGNATURE**

.....  
**DATE**

**FORM A6: CERTIFICATES OF TAX COMPLIANCE (INCORPORATING SBD2)**

The Tenderer shall complete the declaration below.

I, ..... (name)  
the undersigned in my capacity as ..... (position)  
on behalf of ..... (name of company)  
herewith grant consent that SARS may disclose to the South African National Roads Agency SOC Limited  
(SANRAL) our tax compliance status.

For this purpose, our unique security personal identification number (PIN) is .....

In the event of a joint venture each member shall comply with the above requirements.

.....  
**SIGNATURE**

.....  
**DATE**

## FORM A7: CERTIFICATE OF INSURANCE COVER

### Notes to tenderer:

1. Scan Certificate of insurance cover on the flash drive.
71. In the event of the tenderer being a Joint Venture/consortium, the details of the individual members must also be provided.

The tenderer shall provide the following details of this insurance cover:

- i) Name of Tenderer: .....
- ii) Period of Validity:.....
- iii) Value of Insurance:
  - Professional Indemnity (for each and every case)  
Company: .....  
Value: .....
  - General public liability  
Company: .....  
Value: .....
  - Third party liability  
Company: .....  
Value: .....

**FORM A8: TENDERER'S REGISTERED FINANCIAL SERVICE PROVIDER LETTER AND BANK DETAILS**

**Notes to tenderer:**

1. The tenderer shall attach to this form a letter (dated less than 3 months prior to the tender closing date) from the bank confirming its account. Tenderers that fail to comply may be declared non-responsive in terms of Tender Condition C3.8 or C3.13.
72. The tenderer's banking details as they appear below shall be completed.
73. In the event that the tenderer is a joint venture enterprise, details of all the members of the joint venture shall be similarly provided and attached to this form.

The tenderer shall provide the following:

- i) Name of account holder: .....
- ii) Account number: .....
- iii) Bank name: .....
- iv) Branch number: .....
- v) Bank and branch contact details .....

Not Required

**FORM A9: DECLARATION OF TENDERER'S LITIGATION HISTORY****Note to tenderer:**

The tenderer shall list below details of any litigation with which the tenderer (including its directors, shareholders, or other senior members in previous companies) has been involved with any organ of state or state department within the last ten years. The details must include the year, the litigating parties, the subject matter of the dispute, the value of any award or estimated award if the litigation is current and in whose favour the award, if any, was made.

CLIENT	OTHER LITIGATING PARTY	DISPUTE	AWARD VALUE	DATE RESOLVED

Not Required



**FORM A10: SCHEDULE OF CURRENT COMMITMENTS**

**Notes to tenderer:**

1. The tenderer shall list below all projects with which proposed Key Persons are currently involved.
74. The start date in column 4 of the table below is that date indicated in the tender documents as being the intended start of the duties of the key personnel (i.e., expected start of design or supervisory duties).
75. In the event of a joint venture enterprise, details of all the members of the joint venture shall similarly be attached to this form.

NAME & POSITION	PROJECT	CLIENT	START DATE (M/Y)	DURATION (MONTHS)	ESTIMATED COMPLETION DATE	VALUE OF SERVICE

**FORM A11: POSSIBLE COMMITMENTS OF KEY PERSON****Notes to tenderer:**

1. **Key Persons:** The Project Leader will be limited to participate in a maximum number of 6 (six) conventional contracts in design phase which will be complete after the award of the Works Contract tender for the Project Leader and after the detailed design Report is accepted by the Employer for the Design Specialist.
76. The purpose of this form is for the tenderer to identify areas of conflict with respect to Key Person proposed for the project. Failure to identify where areas of conflict occur, or may occur, and which are subsequently discovered by the Employer shall render such offer as non-responsive, rejected and the tenderer automatically barred from tendering on SANRAL projects for a period of at least 3 (three) months from the date of tender closure.
77. The tenderer shall list below all projects/tenders for which the proposed Key Persons have been proposed, and for which results of an award are unknown at the date of tender closure of this project.
78. The start date in column 4 of the table below is that date indicated in the tender documents as being the intended start of the duties of the key personnel (i.e., expected start of design or supervisory duties).
79. Tenderers must submit an alternative candidate for those positions identified as being possible areas of conflict by completing separate Returnable Schedules Forms B1 and B2 for the alternate. The Employer will not request alternative candidates after tender closure and will interpret the lack of any alternative candidate as an indication the tenderer accepts that it will be impossible to be awarded more projects than the limitations applicable to Key Persons. The Employer reserves the right to select according to its best interest and not the tenderers.

NAME & POSITION	PROJECT	CLIENT REGION	START DATE (M/Y)	DURATION (MONTHS)

**FORM A12: CERTIFICATE OF COMPLIANCE WITH OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 AND CONSTRUCTION REGULATIONS, 2014 AS WELL AS COID ACT, 1993**

**Notes to tenderer:**

1. Discovery that the tenderer has failed to make proper disclosure may result in the Employer terminating a contract that flows from this tender on the ground that it has been rendered invalid by the tenderer's misrepresentation.
80. The tenderer shall attach to this form evidence that he is registered and in good standing with the Compensation Fund in terms of Section 80 of the Compensation for Injury and Disease Act (COID) (Act 130 of 1993).
81. The tenderer is required to disclose, by also attaching documentary evidence to this form, all inspections, investigations, and their outcomes conducted by the Department of Labour into the conduct of the tenderer at any time during the 36 (thirty-six) months preceding the date of the tender.
82. In the event of a joint venture enterprise, all members shall comply with the above requirement.

**FORM A13: SBD1 – INVITATION TO BID AND TERMS AND CONDITIONS FOR BIDDING****PART A: INVITATION TO BID**

<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LIMITED</b>					
BID NUMBER:	<b>SANRAL 57000/1002/2022/1</b>	CLOSING DATE:	<b>16 March 2023</b>	CLOSING TIME:	<b>11:00</b>
DESCRIPTION	<b>CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS</b>				
<b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).</b>					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT:					
<b>Northern Region, 38 Ida Street, Menlo Park, Pretoria</b>					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO</b>					
E-MAIL ADDRESS	<a href="mailto:ProcurementHO7@sanral.co.za">ProcurementHO7@sanral.co.za</a>				
<b>SUPPLIER INFORMATION</b>					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	<input type="checkbox"/> Yes <input type="checkbox"/> No	B-BBEE STATUS LEVEL SWORN AFFIDAVIT	<input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ANSWER THE QUESTIONNAIRE BELOW]	
<b>QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				<input type="checkbox"/> Yes	<input type="checkbox"/> No
DOES THE ENTITY HAVE A BRAND IN THE RSA?				<input type="checkbox"/> Yes	<input type="checkbox"/> No
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				<input type="checkbox"/> Yes	<input type="checkbox"/> No
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				<input type="checkbox"/> Yes	<input type="checkbox"/> No
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				<input type="checkbox"/> Yes	<input type="checkbox"/> No
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

**PART B: TERMS AND CONDITIONS FOR BIDDING**

<b>1. BID SUBMISSION:</b>
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
<b>1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED – (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.</b>
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
<b>1.1.2</b>
<b>1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).</b>
<b>2. TAX COMPLIANCE REQUIREMENTS</b>
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY ALSO BE MADE VIA E-FILING THROUGH THE SARS WEBSITE: WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
<b>1.1.3</b>
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE.

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.**

**SIGNATURE OF BIDDER:**

\_\_\_\_\_

**CAPACITY UNDER WHICH THIS BID IS SIGNED:**

(Proof of authority must be submitted, e.g., Company Resolution)

\_\_\_\_\_

**DATE:**

\_\_\_\_\_

**FORM B1.1: KEY PERSON'S TECHNICAL/MANAGERIAL RECORD**

**Note to tenderer:**

1. **Must complete Form B1.1 provided in Microsoft Excel format.**
83. **If this Form is omitted or incomplete or the proposed candidate does not meet the minimum experience, the tender will be declared non-responsive**

Not Required

**FORM B1.2: ALTERNATE KEY PERSON'S TECHNICAL/MANAGERIAL RECORD**

**Note to tenderer:**

1. Complete Form B1.2 provided in Microsoft Excel format. (If applicable).

Not Required

**FORM B2.1: KEY PERSON'S QUALIFICATION AND REGISTRATION RECORD**

**Note to tenderer:**

1. **Must complete Form B2.1 provided in Microsoft Excel format.**
84. **The tender will be declared non-responsive if:**
  - a) **The proof of qualification and registration record are not submitted: or**
  - b) **The proposed key person does not have appropriate qualification; or**
  - c) **The proposed key person is not registered.**
85. **Attach letter confirming permanent employment or signed letter of consent from contracted in person.**

Not Required



**FORM B2.2: CERTIFICATION OF KEY PERSONS****Notes to tenderer:**

1. The tenderer must supply the Names and details of the persons that will undertake the inspections
86. To comply with T.1.3 Tender data clause C.3.11 a minimum of 1 COTO accredited Bridge or Senior Bridge Inspector must be supplied.
87. The number of packages awarded is limited by the number of accredited Bridge or Senior Bridge inspectors supplied. (T.1.3 Tender data clause C.3.11)

No.	Inspectors name	IDENTITY DOCUMENT Number or Passport Number of Non-RSA Residents	COTO Accreditation Type: (Senior Bridge inspector / Bridge inspector / Culvert inspector)	COTO certificate Number	Copy of COTO certificate attached (Y/N)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

## FORM B2.3: LIMIT OF NUMBER OF PACKAGES BASED ON FIRM CAPACITY

### Notes to tenderer:

1. Indicate the Maximum number of packages you can undertake with the listed resources
88. In order to meet the milestone dates the number of packages per COTO/SANRAL accredited Bridge inspector is limited. (See T.1.3 Tender data clause C.3.11)
89. Should this section be left blank it will be deemed that you are able to undertake the maximum number of packages awardable as per Tender Data C.3.11.

### DECLARATION OF CAPACITY LIMITATIONS

I, ..... (name), acting on behalf of

..... (name of tenderer)

declare that we have the sufficient capacity to complete a maximum of .....

.....(words) (..... (numbers)) packages within the milestone dates

listed in the tender data.

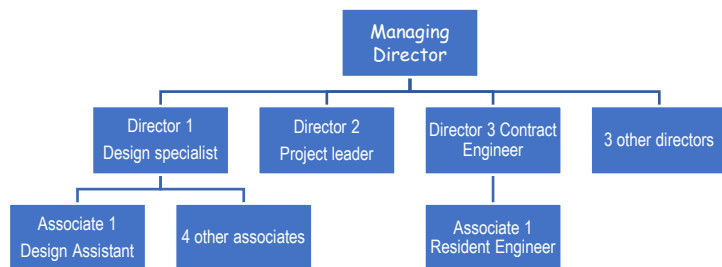
.....  
SIGNATURE

.....  
DATE

## FORM B3: TENDERER'S PROJECT STRUCTURE

### Notes to tenderer:

1. **Must complete Form B3 provided in Microsoft Excel format.**
90. **The intention of this form is to demonstrate the tenderer's project structure, as well as the lines of responsibility between members of the project team and between the project team and the overall company structure. The tenderer must attach his own organogram to this form.**
91. **Tenderers which are large companies may simplify the organogram by 'rolling up' portfolios e.g., combining directors/associates into one box of the organogram. However, the individual positions of the key personnel within the structure must still be shown.**
92. **Joint Venture tenders will require each element of the venture to submit separate organograms that show the individual structure of each member company and the lines of responsibility of the proposed personnel involved in the project. In addition, there must also be a combined organogram that indicates how the joint venture itself will function and the proposed share of the work. Joint Venture tenderers shall note that the share of work indicated will be used in the analysis of such a tenderers preference proposed on returnable form D1, and that if awarded the share of work shall become a contractual obligation between the members of the joint venture.**
93. **State the city or town where the company's head office is located. The locality of regional or satellite office, regardless of degree of autonomy or size is not required. Only submit the number of offices other than the head office. Do not count offices outside RSA**
94. **Registered professional engineers, technicians or technologists means those who are involved in the road construction/transport industry as well as allied fields such as environmental professionals. Registered professionals of other disciplines (e.g., mechanical) are considered as employees only.**



Not Required

## **FORM B4: CERTIFICATE OF QUALITY SYSTEMS**

### **Notes to tenderer:**

1. **Must complete Form B4 provided in Microsoft Excel format.**
95. **Attach to this form a current ISO, or similar system, certificate or brief summary of the in-house systems used.**
96. **Sufficient detail must be provided to clearly identify management systems for which accreditation has been issued, in the case of a certificate, or are being applied in the case of in-house programmes.**
97. **Summaries shall not be more than 2x A4 pages.**
98. **Only relevant ISO accreditation contemplated for the work specified shall score maximum points.**
99. **Attach a copy of the relevant certificate (pdf.) to the flash drive.**

Not Required

**FORM B5: PRELIMINARY PROGRAMME (INCLUDING UNDERSTANDING AND APPROACH)**

**Note to tenderer:**

1. The tenderer shall attach a preliminary programme reflecting the proposed sequences and tempo of execution of the various activities.
100. Limit this to two pages.

Refer to EXCEL file  
provided  
Not Required

## **FORM B6: PAST PERFORMANCE EXPERIENCE**

Notes to Tenderer:

1. The tenderer is required to submit evidence of past performance for 3 (three) projects completed by the tenderer in the last 10 (ten) years.
101. Evidence of past performance can be in the form of the following:
  - CIDB Annexure 1: PSP Performance Report
  - Reference letters from Client or Client's representative (see template below)

Performance reports and Reference letters should be signed by all relevant parties.
102. For tenderers with less than 3 (three) completed projects, the following will be acceptable:
  - Sworn affidavit (see template below)
103. Failure to submit a completed and signed CIDB Annexure 1 Performance Report, or a signed Reference letter from the Client/Client's representative, or a Sworn Affidavit will result in 0 (zero) points for past performance.
104. For Consortiums and Joint Ventures, the CIDB Annexure 1: PSP Performance Report or Reference letters must be in one of the companies or JV partner names.

Refer to EXCEL file  
provided  
Not Required

**FORM B6.1 AFFIDAVIT FOR PAST PERFORMANCE**

**Notes to tenderer:**

1. **Complete the Affidavit provided in MS Excel format.**
105. **A copy of the Affidavit must be printed and signed.**

Not Required

## REFERENCE LETTER FOR PAST PERFORMANCE

### Note to tenderer:

1. Letter to be on Client's letterhead stating the following:

South African National Roads Agency SOC Ltd  
Head Office  
48 Tambotie Avenue  
VAL DE GRACE, 0184

ATTENTION: Procurement Department

REFERENCE LETTER FOR PAST PERFORMANCE RELATED TO SANRAL 57000/1002/2022/1 FOR THE CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS

This letter serves to confirm that ..... (insert name of tenderer) completed the subject project to the value of R..... (insert value of project) on ..... (insert date).

Rate the performance of the tenderer for the reference project on the table below:

Rating	Poor	Adequate	Good	Excellent
SANRAL score	1	3	4	5
Mark the relevant box with "x"				

Were the quality /specifications complied with?

YES / NO\*

\* If no, please furnish details: .....

Will you recommend this supplier to anyone without reservations?

YES / NO

Any enquiries relating to this project can be addressed to ..... (insert the name, contact number and e-mail address of reference).

Signed by: .....

.....  
(Print Name of signatory)

.....  
Date

Designation of signatory: .....



## FORM B7: TARGETED ENTERPRISE/SUB-CONTRACTOR DETAILS AND DECLARATION

Notes to Tenderer:

1. Must complete Form B7 provided in Microsoft Excel format and include supporting documents to score points.
106. The Form B7 must be complete for each and every Targeted Enterprise/Sub-contractor to be utilised.
107. A signed duplicate Form B7 of the excel version must be printed and signed by both the Tenderer and the Targeted Enterprise / sub-contractor and submitted / uploaded as pdf.
108. Targeted Enterprise/Sub-contractor will be limited to participate in a maximum of 6 (six) concurrent projects with Service Provider and the Employer.
109. When selecting a Targeted Enterprise/Sub-contractor, ensure that the following requirements are adhered to:
  - a) Compliance with the definition of a Targeted Enterprise as stated in the Conditions of Contract in Clause 1: Definitions
  - b) Compliance with Treasury Regulations – refer to Clause 11.2 Contract Data
  - c) Targeted Enterprises from the Province in which the project is located must participate in a minimum of 1/3 (one third) of the tendered percentage for sub-letting in Clause 5.1.7 of Contract price (excl. provisional & prime cost sums and the respective mark-up) but including provision for site supervision staff and the respective mark-up). Proof of address must be attached.
  - d) Compliance with Clause C.2.13.1 of Tender Data with regards to a single tender submission.
110. The tender will score zero (0) points if:
  - a) the Form is not signed and or submitted by both the Tenderer and the Targeted Enterprise / sub-contractor.
  - b) **Note to compiler: (insert for category 3 projects only)** If a Tenderer scores less than 10 points for sub-contracting, they will be deemed non-responsive and will not be evaluated further.
  - c) No supporting documents (listed in point 7 below) for the proposed TE(s) not provided.
  - d) The proposed subcontractor does not comply with the definition of a Targeted Enterprise and or Local Targeted Enterprise as stated in the Conditions of Contract in Clause 1: Definitions.
  - e) The Financial information (full pricing schedule) is included in technical envelope; or
  - f) Part of the Pricing Schedule information is included in the technical envelope – scope of sub-contracted values
111. Supporting documents required for:
  - Local Targeted Enterprise: Proof of address older than 3 months and Proof of BBBEE status
  - Targeted Enterprise: Proof of BBBEE status

**FORM B8: JOINT VENTURE AGREEMENT**

**Note to Tenderer:**

**In the event of a Joint Venture, attach to this form a signed and properly completed Joint Venture Agreement**

**FORM D1: TENDERER'S B-BBEE VERIFICATION CERTIFICATE (INCORPORATING SBD6.1)**

**Notes to Tenderer:**

1. The tenderer shall attach to this form a valid copy of the B-BBEE Verification Certificate issued in accordance with:
  - the amended Construction Sector Codes published in Notice 931 of 2017 of Government Gazette No 41287 on 1 December 2017 by the Department of Trade, Industry and Competition.
  - if the Measured Entity operates in more than one sector or sub-sector (e.g., Contractor or BEP) the scorecard for the sector or sub-sector in which the majority of its core activities (measured in terms of Annual Revenue) are located will be acceptable.
2. The certificate shall:
  - have been issued by a Verification Agency accredited by the South African National Accreditation System (SANAS); or
  - be in the form of a sworn affidavit (accompanied by a financial statement or management account on the latest financial year) or a certificate issued by the Companies and Intellectual Property Commission in the case of an Exempted Micro Enterprise (EME) with a total annual revenue of less than R1.8 million if issued in accordance with the amended Construction Sector Codes published in Notice 931 of 2017 of Government Gazette No 41287 on 1 December 2017 by the Department of Trade, Industry and Competition; and
  - be valid at the tender closing date; and
  - have a date of issue less than 12 (twelve) months prior to the tender closing date (see Tender Data C.2.15).
3. In the event of an un-incorporated Joint Venture (JV), a valid project specific (must contain a SANRAL contract number) consolidated B-BBEE Verification Certificate in the name of the JV shall be attached.
4. The attached Verification Certificate and the associated Assessment Report shall comply with the requirements of Tender Data, Clause C.3.11 and shall identify:
  - a) The name and *domicilium citandi et executandi* of the tenderer.
  - b) The registration and VAT number of the tenderer.
  - c) The dates of granting of the B-BBEE score and the period of validity.
  - d) The expiry date of the Verification Certificate.
  - e) A unique identification number.
  - f) The standard and/or normative document, including the issue and/or revision used to evaluate the tenderer.
  - g) The name and/or mark/logo of the B-BBEE Verification Agency.
  - h) The scorecard (GENERIC, QSE, Exempt) against which the tenderer has been measured.
  - i) The B-BBEE status level.
  - j) The South African National Accreditation System (SANAS) logo on the Verification Certificate once verification agencies have been accredited.
  - k) The B-BBEE procurement recognition level.
  - l) The score achieved per B-BBEE element.
  - m) The % black shareholding.
  - n) The % black women shareholding.
  - o) The % black persons with disabilities shareholding.
  - p) The % black youth shareholding.
  - q) the % black people living in rural or under-developed areas or townships shareholding.
  - r) The % black military veterans shareholding.
  - s) The value-added status of the tenderer.
5. The Employer will not be responsible to acquire data that it needs for its own reporting systems, and which may not form part of a Verification Agency's standard certificate format. The tenderer, at its own cost, must acquire the specified data listed in 3 above from its selected Verification Agency and have it recorded on the certificate. Alternatively, such missing data must be

**supplied separately, but certified as correct by the same Verification Agency and also attached to this form.**

6. **The tenderer will be declared non-responsive if:**
- a) **The B-BBEE certificate is not submitted or submitted B-BBEE certificate that has expired or is not valid; or**
  - b) **The tenderer submits a B-BBEE certificated that does not comply with requirements (e.g., not SANAS); or**
  - c) **The tenderer submits the Scorecard assessment report only; or**
  - d) **In a case of a Joint Venture, the tenderer submits an unincorporated consolidated Joint Venture B-BBEE certificate which is not project specific; or**
  - e) **In a case of a Joint Venture, the tenderer submits an unincorporated consolidated Joint Venture B-BBEE certificate does not have a contract description and/or a tender number; or**
  - f) **A tenderer only submits 1 (one) B-BBEE certificate, where multiple tenders were issued by SANRAL; or**
  - g) **An EME (not start-up) submits a Sworn Affidavit with total revenue above R1.8 million instead of a B-BBEE certificate; or**
  - h) **A QSE submits a Sworn Affidavit instead of a B-BBEE certificate.**
  - i) **The Sworn Affidavit is not valid. A valid Sworn Affidavit must contain the following:**
    - i) **Name/s of deponent as they appear in the identity document and the identity number.**
    - ii) **Designation of the deponent as either the director, owner or member must be indicated in order to know that person is duly authorised to depose of an affidavit.**
    - iii) **Name of enterprise as per enterprise registration documents issued by the CIPC, where applicable, and enterprise business address.**
    - iv) **Percentage black ownership, black female ownership and whether they fall within a designated group.**
    - v) **Indicate total revenue for the year under review and whether it is based on audited financial statements or management accounts.**
    - vi) **Financial year-end (day, month, and year) as per the enterprise's registration documents, which was used to determine the total revenue.**
    - vii) **B-BBEE status level. An enterprise can only have 1 (one) status level.**
    - viii) **Date deponent signed and date of Commissioner of Oath must be the same.**
    - ix) **Commissioner of Oath cannot be an employee or ex-officio of the enterprise because, a person cannot by law, commission a sworn affidavit in which they have an interest.**
  - j) **A valid BBBEE Certificates shall contain:**
    - x) **Name of enterprise as per enterprise registration documents issued by CIPC, and enterprise business address.**
    - xi) **Value-Added Tax number, where applicable.**
    - xii) **The B-BBEE Scorecard against which the certificate is issued, indicating all elements and scores achieved for each element. The actual score achieved must be linked to the total points as per the relevant Codes.**
    - xiii) **B-BBEE status with corresponding procurement recognition level.**
    - xiv) **The relevant Codes used to issue the B-BBEE verification certificate.**
    - xv) **Date of issue and expiry (e.g., 9 June 2018 to 8 June 2019). Where a measured entity was subjected to a re-verification process, due to material change, the B-BBEE Verification Certificate must reflect the initial date of issue, date of re-issue and the initial date of expiry. Re-verification does not extend the lifespan of the B-BBEE Verification Certificate.**
    - xvi) **Financial period which was used to issue the B-BBEE Verification Certificate.**

Where the sworn affidavit is used please see the notes below:

**B-BBEE EXEMPTED AFFIDAVIT FOR EXEMPTED MICRO ENTERPRISES  
(ISSUED IN TERMS OF THE AMENDED CONSTRUCTION SECTOR CODE)**

(Gazette Vol. 630 No. 41287)

Issued in terms of paragraph 3.6.2.4.1 (B)

I, the undersigned,

Full names and surname	
Identity number	

Hereby declare under oath as follows:

- The contents of this statement are to the best of my knowledge a true reflection of the facts.
- am a Member / Director / Owner of the following enterprise and am duly authorized to act on its behalf.

Select one of the designations

Enterprise Name:			
Trading Name (If Applicable):			
Registration Number:			
Physical Address:			
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):			
Nature of Construction Business: <i>Indicate the applicable category with a tick.</i>	<b>BEP</b> (Built Environment Professional)	<b>Contractor</b>	<b>Supplier</b>
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians – who are citizens of the Republic of South Africa by birth or descent; or who became citizens of the Republic of South Africa by naturalization before 27 April 1994; or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date."		
Definition of "Black Designated Groups"	"Black Designated Groups" means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011."		

- I hereby declare under Oath that as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,

- The Enterprise is \_\_\_\_\_% Black Owned
- The Enterprise is \_\_\_\_\_% Black Female Owned
- The Enterprise is \_\_\_\_\_% Owned by Black Designated Group (provide Black Designated Group Breakdown below as per the definition in the table above)

- o Black Youth % \_\_\_\_\_%
- o Black Disabled % \_\_\_\_\_%
- o Black Unemployed % \_\_\_\_\_%
- o Black People living in Rural areas % \_\_\_\_\_%
- o Black Military Veterans % \_\_\_\_\_%

Indicate %

Construction Sector Affidavit

**Date format must be YY/MM/DD. Any other format will render your tender non-responsive**

- Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of \_\_\_\_\_, the annual Total Revenue was less than the applicable amount confirmed by ticking the applicable box below.

BEP	R1.8 million	
Contractor	R3.0 million	
Supplier	R3.0 million	

*If the turnover exceeds the applicable amount in the table above then this affidavit is no longer applicable and an EME certificate must be obtained from a rating agency accredited by SANAS or when applicable a B-BBEE Verification Professional Regulator appointed by the Minister of Trade and Industry.*

- Please Confirm on the below table the B-BBEE Level Contributor, by ticking the applicable box below.

100% Black Owned	Level One (135% B-BBEE procurement recognition level)	
At least 51% Black Owned	Level Two (125% B-BBEE procurement recognition level)	
At least 30% Black Owned	Level Four (100% B-BBEE procurement recognition level)	
Less than 30% Black Owned	Level Five (80% B-BBEE procurement recognition level)	

- I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.
- The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Commissioner of Oaths  
Signature & stamp

**Dates must be the same!!  
Different dates will render the tender non-responsive!**

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## **PART C1    AGREEMENTS & CONTRACT DATA**

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## **PART C1: AGREEMENTS & CONTRACT DATA**

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### **Notes to tenderer:**

1. Should a tenderer wish to offer a different period of completion than that specified by the Employer, it shall be submitted as an alternative offer on a separate Form of Offer.
7. If more than one alternative tender is submitted each shall be numbered and submitted on a separate Form of Offer duly completed and signed.



**C1.1 FORMS OF OFFER AND ACCEPTANCE****C1.1.1 FORM OF OFFER (INCORPORATING SBD7)****Note to tenderer:****If a tenderer submits an alternative offer, but:**

- a) **permission was not granted, where applicable: or**  
 b) **a postulated offer is not submitted,**  
**the tender shall be declared a non-responsive tender offer.**

The South African National Roads Agency SOC Limited  
 PO Box 415  
 PRETORIA  
 0001

Sir,

CONTRACT SANRAL 57000/1002/2022/1

CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS

I/we, by signing this part of the forms of offer and acceptance, confirm that I/we practise the principles of corporate governance that abhors corruption and fraud and that we have examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules and am/are duly authorised to represent and commit the tenderer to the contractual obligations contained therein.

I/we further confirm that by submitting this offer the tenderer accepts the conditions of tender and offers to perform all of the obligations and liabilities of the Service Provider under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of tender and the conditions of contract identified in the contract data.

**A. PRICE OFFERED**

THE OFFERED TOTAL OF THE PRICES (INCLUSIVE OF VALUE ADDED TAX) BROUGHT FORWARD FROM PART C2.3: PRICING SCHEDULE SUMMARY IS

Seq No.	Package	Price (figures)
1	ER-P01	
2	ER-P02	
3	ER-P03	
4	ER-P04	
5	ER-P05	
6	ER-P06	
7	ER-P07	
8	ER-P08	
9	ER-P09	
10	ER-P10	
11	ER-P11	
12	ER-P12	
13	ER-P13	
14	ER-P14	
15	ER-P15	
16	ER-P16	

Seq No.	Package	Price (figures)
57	SR-P08	
58	SR-P09	
59	SR-P10	
60	SR-P11	
61	SR-P12	
62	SR-P13	
63	SR-P14	
64	SR-P15	
65	SR-P16	
66	SR-P17	
67	SR-P18	
68	SR-P19	
69	SR-P20	
70	SR-P21	
71	SR-P22	
72	SR-P23	

17	ER-P17		73	SR-P24	
18	NR-P01		74	SR-P25	
19	NR-P02		75	SR-P26	
20	NR-P03		76	SR-P27	
21	NR-P04		77	SR-P28	
22	NR-P05		78	SR-P29	
23	NR-P06		79	SR-P30	
24	NR-P07		80	SR-P31	
25	NR-P08		81	WR-P01	
26	NR-P09		82	WR-P02	
27	NR-P10		83	WR-P03	
28	NR-P11		84	WR-P04	
29	NR-P12		85	WR-P05	
30	NR-P13		86	WR-P06	
31	NR-P14		87	WR-P07	
32	NR-P15		88	WR-P08	
33	NR-P16		89	WR-P09	
34	NR-P17		90	WR-P10	
35	NR-P18		91	WR-P11	
36	NR-P19		92	WR-P12	
37	NR-P20		93	WR-P13	
38	NR-P21		94	WR-P14	
39	NR-P22		95	WR-P15	
40	NR-P23		96	WR-P16	
41	NR-P24		97	WR-P17	
42	NR-P25		98	WR-P18	
43	NR-P26		99	WR-P19	
44	NR-P27		100	WR-P20	
45	NR-P28		101	WR-P21	
46	NR-P29		102	WR-P22	
47	NR-P30		103	WR-P23	
48	NR-P31		104	WR-P24	
49	NR-P32		105	WR-P25	
50	SR-P01		106	WR-P26	
51	SR-P02		107	WR-P27	
52	SR-P03		108	WR-P28	
53	SR-P04		109	SER	
54	SR-P05		110	SNR	
55	SR-P06		111	SSR	
56	SR-P07		112	SWR	

TOTAL of all packages tendered for:

.....

..... (in words)

(R..... in figures)

I/we confirm that if any difference between the total of the Pricing Schedule Summary and the amounts stated above exists, the total in the Pricing Schedule Summary shall apply.

**B. PREFERENCE CLAIMED**

I/we claim the following B-BBEE contributor status level ..... as per Returnable Schedule Form D1: Tenderer's B-BBEE Verification Certificate subject to Tender Data 5.11.8. In the event of any difference between the above stated status level and the Verification Certificate attached to Form D1, the Verification Certificate shall apply.

You may accept this offer by signing and returning to the tenderer one copy of the acceptance part of the forms of offer and acceptance before the end of the period of validity stated in the tender data, (or at the end of any agreed extension thereof), whereupon the tenderer becomes the party named as the Service Provider in the conditions of contract identified in the contract data.

Notwithstanding anything contained in a covering letter to this tender, I/we declare this offer is submitted entirely without deviations or qualifications other than those stipulated in Form A4: Schedule of Deviations or Qualifications by the tenderer and that it is made free from any fraud, corruption, and misrepresentation.

Yours faithfully

SIGNATURE: ..... DATE: .....

NAME (IN CAPITALS): .....

CAPACITY: .....

Date and minute reference of Board resolution if different from returnable schedule Form A2.1: Certificate of Authority for signature.....

NAME AND ADDRESS OF ORGANISATION:.....  
.....

NAME AND SIGNATURE OF WITNESSES:

SIGNATURE: ..... DATE: .....

NAME (IN CAPITALS): .....

SIGNATURE: ..... DATE: .....

SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LIMITED

CONTRACT SANRAL 57000/1002/2022/1  
CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS

---

NAME (IN CAPITALS): .....

### C1.1.2 FORM OF ACCEPTANCE (INCORPORATING SBD7)

*(Note to compiler: Form to be printed on SANRAL letterhead)*

To *(Name of successful tenderer)*

Dear Sir,

CONTRACT SANRAL 57000/1002/2022/1

CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS

#### ACCEPTANCE OF OFFER

1. It is our pleasure to inform you that the South African National Roads Agency SOC Ltd (the Employer) accepts your (select if applicable corrected/corrected alternative/alternative) offer in the amount of R .... (i.e., including VAT but excluding CPA and any contingent sum not in the priced schedule).
8. The amount due may not be the accepted price but payment shall be made in accordance with the conditions of contract identified in the contract data, including the set-off of any debt agreed to which is due and payable as per Returnable Schedule Form A2.2.
9. Acceptance shall form an agreement between us according to the terms and conditions contained in this form and in the contract that is comprised of:

Part C1: Agreements and Contract Data (including this form of acceptance),

Part C2: Pricing Data,

Part C3: Scope of the Work,

Part C4: Site Information and

Part C5: Annexures

together with issued drawings and other documents, or parts thereof, which may be incorporated by reference into Parts C1 to C5 listed above.

10. Deviations and/or qualifications included in your offer as well as any changes to the terms of the offer agreed by us during the process of offer and acceptance shall not be valid unless contained in the appended schedule of deviations. (If no deviation state "There are no deviations, qualifications, or changes to the documents). Addenda issued during the tender period are deemed not to be deviations to the tender documents and schedules.
11. Notwithstanding the need to agree the mandate required by Section 37 of the Occupational Health and Safety Act (Act 85 of 1993) a proforma of which is attached for your reference, we hereby appoint you as our Agent in terms of Regulation 5(5) of the Construction Regulations, GNR 84 of 2014.
12. In terms of the Employer's Supply Chain Management (SCM) Policy for Infrastructure Procurement and Delivery Management we hereby appoint you as a member/technical advisor of the following committees:
  - a) Project Document Review Committee and
  - b) Bid Evaluation Committee (BEC) (Please note that this will be on another SANRAL project).
13. A SARS compliance check has been done on you and you are found to be (select compliant or non-compliant). *(Note to compiler: check SARS website for compliance. If not compliant add the following sentence: Within 7 (seven) working days of the date of this Form of Acceptance you shall provide proof that you are SARS compliant. Failure to fulfil this obligation shall constitute a repudiation of this agreement.)*
14. Within 14 calendar days of the date of this Form of Acceptance (including the schedule of deviations if any) you shall deliver to us:

- i) Proof of insurance in terms of the information provided in the contract data and clause 5.4 of the General Conditions of Contract. Proof of validity of insured cover shall be provided on a monthly basis until contract completion.
- ii) Completed Form of Banking details which is attached hereto (Form C.1.1.4).
- iii) Completed Tax Compliance Permission Declaration which is attached hereto (Form C.1.1.5).
- iv) Proof of registration on the Employer's Project Information Module (ITIS).
- v) Proof that your OHS Specialist is registered with the South African Council for Project and Construction Management Professions (SACPCMP) as a Professional Construction HSE Agent for the Design Phase and as a Construction HSE Manager or a Professional Construction HSE Agent for the Construction Phase.
- vi) Proof that other required resources (additional design specialists other than Key Persons, and if applicable, assistants to PL and DS) meet the minimum requirements in terms of professional registration and experience as stated in the Scope of Works.
- vii) Copy of the Joint Venture Agreement. *(Note to compiler: Delete if JV is not applicable)*

Failure to fulfil this obligation shall constitute a repudiation of this agreement. In addition to any other rights of remedy the Service Provider shall, if (i) above has not been met, be automatically barred from tendering on any of our future tenders for a period determined by us but not less than 12 (twelve) months, from the date of tender closure.

- 15. The effective date of the contract shall be the date of this Form of Acceptance unless you, within seven (7) working days of the effective date, notify us in writing of any justification why you cannot accept the contents of this agreement.
- 16. The commencement date of the performance of the service shall be ..... (Note to Compiler: insert the date, which is 8 calendar days after the date of this Form of Acceptance).
- 17. The project hand-over meeting date shall be ..... *(Note to compiler: determine period required for desktop assessment depending on the complexity of the project and volume of information available but it shall not be less than 28 calendar days after the commencement date)*. The requirements for the Project Hand-over meeting are specified in Clause C3.1.12(a). For this purpose, you are provided with a CD/DVD containing the available historic information to aid you to perform the desktop assessment. A draft agenda for the hand-over meeting is also provided to aid you in preparing for the meeting. *(Note to compiler: Use Draft Agenda as per #1758485 and Notes to Agenda #1758693)*
- 18. Notwithstanding that a full, original-signed copy of the contract document containing all contract data and schedules (including that of accepted deviations) will be delivered to you, this Form of Acceptance constitutes the binding contract between us.
- 19. The approved Key Persons for this project are:  
*(Note to Compiler: List all relevant approved key positions and enter name of person)*

Key Position	Name
.....	.....
.....	.....
.....	.....

SIGNATURE: ..... DATE: .....

NAME (IN CAPITALS): .....

CAPACITY: **Engineering Executive**

EMPLOYER'S NAME AND ADDRESS: **South African National Roads Agency SOC Limited**

.....  
.....

NAME AND SIGNATURE OF WITNESSES:

SIGNATURE: ..... DATE: .....

NAME (IN CAPITALS): .....

SIGNATURE: ..... DATE: .....

NAME (IN CAPITALS): .....

AUTHORITY TO ACT: SANRAL's Delegation of Powers 2.4.1.2

*Note to compiler: Delegated authority (SANRAL)*

### C1.1.3 APPENDIX TO FORM OF ACCEPTANCE

Schedule of deviations.

Notes:

1. The extent of deviations from the tender documents issued by the Employer before the tender closing date is limited to those permitted in terms of the conditions of tender.
20. A tenderer's covering letter shall not be included in the final contract document. Should any such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
21. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the parties becomes an obligation of the contract shall also be recorded here.
22. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporate into the final draft of the Contract.

The deviations listed below constitute agreed variations/amendments to the tender document negotiated between the tenderer and the employer based on information provided in Form A4: Schedule of Variations or deviations by tenderer or imposed conditions of award. Addenda issued during the tender period are deemed not to be variations to the tender.

1. Subject: .....  
Details: .....
2. Subject: .....  
Details: .....
3. Subject: .....  
Details: .....
4. Subject: .....  
Details: .....

By the duly authorised representatives signing this agreement, the Employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the returnable schedules, as well as any confirmation, clarification, or changes to the terms of the offer agreed by the tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

*(Note to compiler: In the event that an alternative offer has been accepted by the Employer, the various elements of the alternative offer must be listed in this appendix)*



#### **C1.1.4 FORM OF BANKING DETAILS**

##### **Notes to Tenderer:**

1. **The Employer applies an Electronic Funds Transfer system for all payments.**
23. **If you are already registered as a vendor with the Employer, you are not required to submit the documentation as per note 3.**
24. **If you are not registered as a vendor with the Employer, you are required to supply:**
  - **a completed SANRAL Vendor Application Form (a copy of the Application Form is provided below).**



## APPLICATION FOR VENDOR REGISTRATION

### Vendor Name as per Company Registration

<b>Joint Venture (JV)</b>	Yes	NO	*If yes provide JV agreement
---------------------------	-----	----	------------------------------

<b>Business Physical Address</b>  <b>Town/City</b> <b>Country:</b> South Africa <b>Postal Code:</b>	<b>Business Postal Address</b>  <b>Town/City</b> <b>Country:</b> South Africa <b>Postal Code:</b>
---	---

<b>Tel No.</b>		<b>Fax No.</b>	
----------------	--	----------------	--

<b>Company Registration number</b>	<b>BBBEE Status Level</b>

<b>Income Tax Number</b>	<b>Vat Registration number</b>

<b>CSD Registration number</b>	<b>CSD unique code</b>

### THIS SECTION MUST BE COMPLETED FOR ALL ELECTRONIC PAYMENTS

<b>Name of bank</b>

<b>Account number</b>	<b>Account Type</b>
	Current

<b>Branch name</b>	<b>Branch Code</b>

### Applicant's Authorisation Officer: PRINT NAME

--

**Applicant's Authorisation Officer: SIGNATURE**

--

**The following documentation must be submitted with this form:**

1. Full Central Supplier Database (CSD) Report.
2. If a Joint Venture is registered, provide all JV partners CSD Reports.
3. If a Joint Venture is registered, provide the JV agreement.
4. An indemnity letter on your letterhead stating your bank details as per CSD Report (use the proforma supplied), in case of a Joint Venture (JV) confirmation of the Leading Partner bank detail or the JV bank detail.
5. B-BBEE Certificate.

**All of the above should be emailed to the appropriate office as indicated:**

<input checked="" type="checkbox"/>	Head Office: <a href="mailto:procurementho@nra.co.za">procurementho@nra.co.za</a>
<input type="checkbox"/>	Northern Region: <a href="mailto:procurementnr@nra.co.za">procurementnr@nra.co.za</a>
<input type="checkbox"/>	Eastern Region: <a href="mailto:procurementnr@nra.co.za">procurementnr@nra.co.za</a>
<input type="checkbox"/>	Southern Region: <a href="mailto:procurementnr@nra.co.za">procurementnr@nra.co.za</a>
<input type="checkbox"/>	Western Region: <a href="mailto:procurementnr@nra.co.za">procurementnr@nra.co.za</a>

**OFFICIAL USE ONLY****Region:**

HO	NR	ER	SR	WR
x				

**Type of vendor:**

CONTRACT	SUNDRY	PERSONNEL

**Status of vendor:**

NEW	CHANGE	BLOCK	UNBLOCK: REASON

**AUTHORISING OFFICER REGION:****AUTHORISING OFFICER HO:**

--	--

**VENDOR NUMBER ALLOCATED:****REFER TO EXISTING  
VENDOR NUMBER**

--

--

SERVICE PROVIDER'S  
LETTER HEAD AND  
ADDRESS

Date: .....

The South African National Roads Agency SOC Limited  
P O BOX 415  
PRETORIA  
0001

Attention: Chief Financial Officer

Dear Madam

In consideration of your request to furnish your company with our banking details, we hereby undertake and agree to indemnify SANRAL in full against all consequences, liabilities of any kind whatsoever directly arising from or relating to the said request. This shall include but not limited to any incorrect information/ details provided by us.

We further confirm that the below are ..... 's correct bank account details, as per the attached CSD Report:

Account Name: .....  
Bank: .....  
Branch Name: .....  
Branch Code: .....  
Account No: .....

Please note that the undersigned is an authorised signatory of the company.

Kind Regards

.....  
Signature

Name:  
Designation:  
ID number:

#### **C1.1.5 TAX COMPLIANCE PERMISSION DECLARATION**

##### **Note to Tenderer:**

**In terms of National Treasury Instruction No 3 of 2017/2018 with reference to the Public Finance Management Act, 1999 (Act No 1 of 1999) and Regulations, the Service Provider and sub-contractors are required to provide the employer with written confirmation to access the SARS Electronic Tax Compliance Status (TCS) system to verify and continuously track the tax compliance status of all persons conducting business with the State.**

The Service Provider shall complete the declaration below.

I, ..... (name)  
the undersigned in my capacity as ..... (position)  
on behalf of ..... (name of company)  
herewith grant consent that SARS may disclose to the South African National Roads Agency SOC Limited (SANRAL) our tax compliance status on an ongoing basis for the contract term.

For this purpose, our unique security personal identification number (PIN) is .....

In addition, the Service Provider shall obtain written consent from each of its sub-contractors, undisclosed principals and partners involved in this contract confirming that SARS may, on an ongoing basis during the contract term disclose the sub-contractors' tax compliance status to the Employer. For this purpose, the Service Provider shall provide the Employer with the unique security personal identification number (PIN) for each of its sub-contractors, undisclosed principals and partners involved in this contract.

In the event of a joint venture or Targeted Enterprise each member shall comply with the above requirement.

.....  
**SIGNATURE**

.....  
**DATE**

## C1.2 CONTRACT DATA

### C1.2.1 CONDITIONS OF CONTRACT

#### Note to tenderer:

1. The legislated Standard Conditions of Contract for Professional Services (as published and amended from time to time by the Construction Industry Development Board) are included together with SANRAL's special conditions of contract where the former is shown in standard format and SANRAL's amendments (i.e., special conditions) shown in italics. SANRAL's special conditions of contract are shown in italics as amending clauses of the Standard Conditions.

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## CONDITIONS OF CONTRACT

### 1. DEFINITIONS

In the Contract, the following words and expressions shall have the meanings indicated, except where the context otherwise requires. Defined terms and words are signified in the text of the Contract by the use of capital initial letters.

**Agent**

*The Service Provider appointed in terms of the Occupational Health and Safety Act No. 85 of 1993, including the relevant Regulations.*

**Black People**

1.1.1 *Black people has the meaning assigned to it in section 1 of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003).*

1.1.2

**Construction monitoring/supervision**

*The process of managing and co-ordinating the Works Contract and over-seeing and/or inspecting the Works in accordance with the Employer's requirements.*

**Consulting Engineering Firm**

*A natural person or legal entity which provides independent technology-based intellectual services in the built, human and natural environment to clients for a fee, and does not engage in or is not a subsidiary or holding company that engages in manufacturing or construction and is not in substance owned by the State or a similar public body or is not in substance the design department of a development, manufacturing or construction enterprise.*

**Contract**

The Contract signed by the Parties and of which these General Conditions of Contract form part.

**Contractor**

The contracting party named as contractor in the Letter of Tender of the Works Contract accepted by the Employer.

**Contract Data**

Specific data, which together with these General Conditions of Contract, collectively describe the risks, liabilities and obligations of the contracting Parties and the procedures for the administration of the contract.

**Contract Price**

The price to be paid for the performance of the Services in accordance with the Pricing Data.

**Day**

A calendar day.

**Defect**

A part of the Services, as performed, which does not comply with the requirements of the Contract.

**Deliverable**

Any measurable, tangible, verifiable outcome, result or item that must be produced or completed.

**EME**

*EME is an exempted micro enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003).*

**Employer**

The contracting party named in the Contract who employs the Service Provider.



**Engineer**

The natural or juristic person, partnership, Incorporated Company, Propriety Limited Company, or Close Corporation appointed in writing by the Employer for the construction monitoring and management of the engineering Works undertaken by the Contractor.

**Force Majeure**

*"For the purpose of this Contract the expression 'Force Majeure' shall mean an event or circumstance described in clause 8.3.1.*

**Key Persons**

Persons who are named as such in the Contract Data who will be engaged in the performance of the Services.

**Others**

Persons or organizations who are not the Employer, the Service Provider or any employee, sub-contractor, or supplier of the Service Provider.

**Parties**

The Employer and the Service Provider.

**People with Disabilities**

*People with Disabilities has the meaning assigned to it in section 1 of the Employment Equity Act, 1998 (Act No. 55 of 1998).*

**Period of Performance**

The period within which the Services are to be performed and completed.

**Personnel**

Persons hired by the Service Provider as employees and assigned to the performance of the Services or any part thereof.

**Personnel Schedule**

A schedule naming all personnel and key persons.

**Pricing Data**

Data that establishes the criteria and assumptions that were taken into account when developing the Contract Price and the record of the components that make up of the Contract Price.

**Project**

The project named in the Contract Data for which the Services are to be provided.

**QSE**

*QSE is a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003).*

**Scope of Work**

The document which defines the Employer's objectives and requirements and specifies the Services which must, or may, be provided under the Contract.

**Service Provider**

The contracting party named in the Contract Data who is employed by the Employer to perform the Services described in the Contract, and legal successors to the Service Provider and legally permitted assignees.

**Services**

The work to be performed by the Service Provider pursuant to the Contract as described in the Scope of Work.

**Sub-contractor**

A person or body corporate who enters into a sub-contract with the Service Provider to perform part of the Services.

**Targeted Enterprise**

A Consulting Engineering Firm who is an EME (BEP)\* or QSE (BEP)\*, contracted by the Service Provider to perform a tendered percentage of work stated in the Contract Data under his guidance and which complies with the following:

- a) Is at least 51% owned by black people and
- b) Has a B-BBEE status\* of 'level one or level two contributor'; and
- c) does not share equity holding with the Service Provider; and
- d) is registered in terms of the Company's Act, 2008 (Act No. 71 of 2008) or Close Corporation Act, 1984 (Act No. 69 of 1984); and
- e) is registered on the National Treasury's Central Supplier Database (CSD).

\* NOTE: All references to EME, QSE, B-BBEE status are in terms of the amended Construction Sector Codes published in Notice 931 of 2017 in Government Gazette No 41287 on 1 December 2017.

**Technical Proposal**

*The Key Persons proposed by the Service Provider to undertake the respective functions/duties as defined under the Contract.*

**Works or Works Contract**

That project or part of a project that the employer wishes to have delivered and for which the Service Provider has been appointed for the performance of the services specified in this contract.

**Youth**

*For purposes of this contract, Youth means persons between the ages of 18 (eighteen) and 35 (thirty-five).*

**2. INTERPRETATION**

2.1 Unless inconsistent with the context, an expression which denotes:

- a) any gender includes the other genders;
- b) a natural person includes a juristic person and vice versa;
- c) the singular includes the plural and vice versa.

2.2 *The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of documents shall be in accordance with the following sequence:*

- a) *the Form of Acceptance*
- b) *the Form of Offer*
- c) *the Contract Data*
- d) *the General Conditions of Contract*
- e) *the Scope of Work*
- f) *the Pricing Schedule and any other documents forming part of the Contract.*

2.3 The clause headings shall not limit, alter, or affect the meaning of the Contract.

**3. GENERAL**

**3.1 Governing laws**

"Law" means all national (or other spheres of Government) legislation, statutes, ordinances, and other laws including the South African Common Law, and regulations and by-laws of any legally constituted public authority.

### **3.2 Change in legislation**

If after the commencement of the Contract, the cost or duration of the Services is altered as a result of changes in, or additions to, any statute, regulation or bye-law, or the requirements of any authority having jurisdiction over any matter in respect of the Project, then the Contract Price and time for completion shall be adjusted in order to reflect the impact of those changes, provided that, within 14 days of first having become aware of the change, the Service Provider furnished the Employer with detailed justification for the adjustment to the Contract Price.

### **3.3 Language**

3.3.1 The language of the Contract and of all communications between the Parties shall be English.

3.3.2 All reports, recommendations and reports prepared by the Service Provider under the Contract shall be in English.

### **3.4 Notices**

3.4.1 Any notice, request, consent, or other communication made between the Parties pursuant to the Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when delivered to such Party at the address stated in the Contract Data, or one week after having been sent by registered post.

3.4.2 If the sender requires evidence of receipt, he shall state such requirement in his communication and, wherever there is deadline for the receipt of the communication, he may demand evidence of receipt of his communication. In any event, the sender shall take all the necessary measures to ensure receipt of communications.

3.4.3 A Party may change its address for receipt of communications by giving the other Party 30 days advance notice of such change.

### **3.5 Location**

The Services shall be performed at such locations as are specified in the Contract Data, and where the location of a particular task is not so specified, at such locations as the Employer may approve.

### **3.6 Publicity and publication**

Unless otherwise agreed, the Service Provider shall not release public or media statements or publish material related to the Services or Project within two (2) years of completion of the Services without the written approval of the Employer, which approval shall not be unreasonably withheld.

### **3.7 Confidentiality**

Both Parties shall keep all commercially sensitive information obtained by them in the context of the Contract confidential and shall not divulge it without the written approval of the other Party except to the extent strictly necessary to carry out obligations under this Contract or to comply with applicable laws.

### **3.8 Variations**

3.8.1 The Employer may, without changing the objectives or fundamental scope of the Contract, order variations to the Services or may request the Service Provider to submit proposals, including the time and cost implications, for variations to the Services. No variation shall have any force or effect unless reduced to writing and signed by both Parties.

3.8.2 The reasonable cost of preparation and submission of such proposals and the incorporation into the Contract of any variations to the Services ordered by the Employer, including any change in the

Contract Price, shall be agreed in writing between the Service Provider and the Employer, prior to the change being implemented.

- 3.8.3 Where a variation is necessitated by default or breach of Contract by the Service Provider, any additional cost attributable to such variation shall be borne by the Service Provider.

### **3.9 Sole agreement**

The Contract constitutes the sole agreement between the Parties for the performance of the Services and no representation not contained therein shall be of any force or effect. No amendments will be of any force or effect unless reduced to writing and signed by both Parties.

### **3.10 Indemnification**

The Service Provider shall, at his own expense, indemnify, protect, and defend the Employer, its agents, and employees, from and against all actions, claims, losses, and damage arising from any wilful or negligent act or omission by the Service Provider or his subcontractors in the performance of the Services, including any violation of legal provisions, or rights of others, in respect of patents, trademarks and other forms of intellectual property such as copyrights.

### **3.11 Penalty**

- 3.11.1 In the event that due to his negligence, or for reasons within his control, the Service Provider does not perform the Services within the Period of Performance, the Employer shall without prejudice to his other remedies under the Contract, be entitled to levy a penalty for every day or part thereof, which shall elapse between the end of the period specified for performance, or an extended Period of Performance, and the actual date of completion, at the rate and up to the maximum amount stated in the Contract Data.
- 3.11.2 If the Employer has become entitled to the maximum penalty amount referred to in 3.11.1, he may after giving notice to the Service Provider:
- a) terminate the Contract
  - b) complete the Services at the Service Provider's cost.
- 3.11.3 In the event that due to his negligence or for reasons within his control, the Service Provider does not meet the specified target of work stated in the Contract Data to the Targeted Enterprise the Employer shall be entitled to levy a penalty as stated in the Contract Data.
- 3.11.4 In the event that due to his negligence or for reasons within his control, the Service Provider does not disclose subcontracting arrangements the Employer may be entitled to levy a penalty as stated in the Contract Data.
- 3.11.5 In the event that due to his negligence or for reasons within his control, the Service Provider does not perform the service of capturing structures inventory and condition updates within the specified period of time, the Employer shall be entitled to levy a penalty as stated in the Contract Data.

### **3.12 Equipment and materials furnished by the Employer**

- 3.12.1 Equipment and materials made available to the Service Provider by the Employer or purchased by the Service Provider with funds provided by the Employer for the performance of the Services shall be the property of the Employer and shall be marked accordingly. Upon termination or expiration of the Contract, the Service Provider shall make available to the Employer an inventory of such equipment and materials and shall dispose of them in accordance with the Employer's instructions.
- 3.12.2 Unless otherwise stated in the Contract Data, the Service Provider shall, at his own expense, ensure the equipment and materials referred to in 3.12.1 for their full replacement value.

### **3.13 Illegal and impossible requirements**

The Service Provider shall notify the Employer immediately, should he become aware that the Contract requires him to undertake anything which is illegal or impossible.

### **3.14 Programme**

3.14.1 The Service Provider shall, within the time period set out in the Contract Data, submit to the Employer a programme for the performance of the Services which shall, inter alia, include:

- a) the order and timing of operations by the Service Provider and any actions required of the Employer and Others;
- b) the dates by which the Service Provider plans to complete work needed to allow the Employer and Others to undertake work required of them; and
- c) other information as required in terms of the Scope of Work or Contract Data.

3.14.2 The Employer may, during the course of the Contract, request the Service Provider to amend the programme. Where this is not practicable, the Service Provider shall advise the Employer accordingly and advise him of alternative measures, if any, which might be taken.

3.14.3 The Service Provider shall regularly update the programme to reflect actual progress to date and expected future progress.

### **3.15 Severability**

If a court of competent jurisdiction holds that any provision of this Contract is severable by reason of it being invalid, illegal, unlawful, or unenforceable and as a consequence of which prevents the accomplishment of the purpose of this Contract, the Employer and the Service Provider shall meet and review the matter to adopt means to fulfil the purpose of the Contract.

### **3.16 Waiver**

No defence of a waiver of any of the provisions of this contract shall be effective unless it is expressly stated in writing, by the Party against whom such defence is raised, to be a waiver of such provisions and is communicated to the other Party in writing in accordance with the provisions of Clause 3.4.

## **4. EMPLOYER'S OBLIGATIONS**

### **4.1 Information**

4.1.1 The Employer shall timeously provide to the Service Provider, free of cost, all available information and data in the Employer's possession which may be required for the performance of the Services.

4.1.2 The Employer shall provide the Service Provider with any assistance required in obtaining other relevant information that the latter may require in order to perform the Services.

4.1.3 The Service Provider shall be entitled to rely on the accuracy and completeness of all information furnished by or on behalf of the Employer.

### **4.2 Decisions**

The Employer shall, within a reasonable time, give his decision on any matter properly referred to him in writing by the Service Provider so as not to delay the performance of Services.

### **4.3 Assistance**

The Employer shall co-operate with the Service Provider and shall not interfere with or obstruct the proper performance of the Services. The Employer shall as soon as practicable:

- 4.3.1 authorise the Service Provider to act as his agent insofar as may be necessary for the performance of the Services;
- 4.3.2 provide all relevant data, information, reports, correspondence, and the like, which become available;
- 4.3.3 procure the Service Provider's ready access to premises, or sites, necessary for the performance of the Services;
- 4.3.4 assist in the seeking of all approvals, licenses, and permits from state, regional and municipal authorities having jurisdiction over the Project, unless otherwise stated in the Contract Data;
- 4.3.5 designate in writing a person to act with his complete authority in giving instructions and receiving communications on his behalf and interpreting and defining his policies and requirements in regard to the Services.

#### **4.4 Services of others**

- 4.4.1 The Employer shall, at his own cost, engage such others as may be necessary for the execution of work necessary for the completion of the Project, but not included in the Services.
- 4.4.2 The Employer shall not enter into an agreement or contract with others which describes any of the duties and responsibilities of the Service Provider in terms of the Contract or which imposes obligations on him, without first obtaining the Service Provider's written agreement thereto.

#### **4.5 Notice of change by Employer**

On becoming aware of any matter which will materially change, or has changed, the scope, cost, or timing of the Services, or on becoming aware of any defect or deficiency in the Services, the Employer shall immediately advise the Service Provider thereof.

#### **4.6 Issue of instructions**

Where the Service Provider is required to administer the work or services of Others, or any contract or agreement, on behalf of the Employer, then the Employer shall issue instructions related to such work, services, contract, or agreement only through the Service Provider.

#### **4.7 Payment of Service Provider**

The Employer shall pay the Service Provider the Contract Price in accordance with the provisions of the Contract.

### **5. SERVICE PROVIDER'S OBLIGATIONS**

#### **5.1 General**

- 5.1.1 The Service Provider shall perform the Services in accordance with the Scope of Work with all reasonable care, diligence, and skill in accordance with generally accepted professional techniques and standards and shall be responsible for breach of professional duty by reason of any error, omission, or neglect in connection with delivering the services
- 5.1.2 Where the Services include the exercise of powers to certify, decide or otherwise exercise discretion in regard to a contract or agreement between the Employer and Others, then the Service Provider shall act in respect of that contract or agreement as an independent professional
- 5.1.3 If the Service Provider is a joint venture or consortium of two or more persons, the Service Provider shall designate one person to act as leader with authority to bind the joint venture or consortium. Neither the composition nor the constitution of the joint venture or consortium shall be altered without the prior consent in writing of the Employer, which shall not be unreasonably withheld.
- 5.1.4 Unless specifically instructed differently, the Service Provider is delegated as the Employer's "Mandatar" in terms of the Occupational Health and Safety Act (Act no. 85 of 1993), and as the Employer's Agent as defined in Construction Regulations 5(5), (6) and (7) of the said Act.

- 5.1.5 The Service Provider, if requested by the Employer, shall provide any plans and calculations for checking by others.
- 5.1.6 All design calculations shall be kept and safeguarded for the duration of the insurance(s) required in terms of Clause 5.4.1.
- 5.1.7 The Service Provider shall enter into a contract over the full contract duration (either through partnership, joint venture or sub-contracting) with a Targeted Enterprise(s) to perform a percentage of work as stated in the Contract Data.
- 5.1.8 The Service Provider undertakes to pay the Targeted Enterprise(s) the full value due in each interim fee claim. The Service Provider further undertakes to make payment within 30 (thirty) days of presentation by the Service Provider of the interim fee claim to the Employer for payment, or by the 30th of the month following that in which the Targeted Enterprise(s) completed the work, whichever date is earlier.

## **5.2 Exercise of authority**

- 5.2.1 The Service Provider shall have no authority to relieve others appointed by the Employer to undertake work on the Project of any of their duties, obligations, or responsibilities under their respective agreements or contracts, unless expressly authorised by the Employer in response to an application by the Service Provider in writing to do so.
- 5.2.2 Whenever necessary to enter upon land for the performance of the Contract the Service Provider shall do so in accordance with the provisions of the SANRAL Act, (Act 7 of 1998) and shall indemnify the Employer from all costs arising from any transgression committed by the Service Provider.

## **5.3 Designated representative**

The Service Provider shall designate in writing a person to act as his representative and such person shall have complete authority to receive instructions from and give information to the Employer on behalf of the Service Provider.

## **5.4 Insurances to be taken out by the Service Provider**

- 5.4.1 The Service Provider shall, at his own cost, unless otherwise agreed, take out and maintain in force such insurance policies in respect of their own risks in performing the Services as are stipulated in the Contract Data, subject to the approval of the Employer, which approved shall not be unreasonably withheld.
- 5.4.2 The Service Provider shall, at the Employer's request, provide evidence to the Employer showing that the insurance required in terms of Clause 5.4.1 has been taken out with an insurance company registered in the Republic of South Africa, or as otherwise approved by the Employer and maintained in force.

## **5.5 Service Provider's actions requiring Employer's prior approval**

The Service Provider shall obtain the Employer's prior approval in writing before taking, inter alia, any of the following actions:

- a) appointing Subcontractors for the performance of any part of the Services,
- d) appointing Key Persons not listed by name in the Contract Data.
- e) any other action that may be specified in the Contract Data.

## **5.6 Co-operation with Others**

If the Service Provider is required to perform the Services in co-operation with Others, he may make recommendations to the Employer in respect of the appointment of such Others. The Service Provider

shall, however, only be responsible for his own performance and the performance of Subcontractors unless otherwise provided for.

#### **5.7 Notice of change by Service Provider**

On becoming aware of any matter which will materially change or has changed the scope, cost or timing of the Services, the Service Provider shall give notice thereof to the Employer, save that the Service Provider is empowered to make minor changes or variations within the overall programme or budget and within such parameters as are defined by the Employer, provided that such changes are reported timeously to the Employer.

#### **5.8 Safeguarding the Employer's data**

5.8.1 The Parties shall take reasonable precautions (each having regard to the nature of the other's respective obligations under the Contract) to preserve the integrity of the Employer's data including appropriate back-up procedures.

5.8.2 In the event that the Employer's data is corrupted or lost as a result of any default by the Service Provider, the Employer shall at the Service Provider's expense, have the option to:

- require the Service Provider to restore or procure the restoration of such data; or;
- itself restore or procure restoration of such data.

#### **5.9 Performance Security**

Where required, the Service Provider shall obtain (at his cost) a Performance Security for proper performance in the amount and currencies stated in the Contract Data. If an amount is not stated in the Contract Data, this sub-clause shall not apply.

The Service Provider shall deliver the Performance Security to the Employer within 14 days of the date of issue of the Letter of Acceptance. The Performance Security shall be issued by an insurance company or bank registered or licensed as an insurance company or bank to do business in the Republic of South Africa and approved by the Employer and having an office or banking facility in the Republic of South Africa. The Performance Security shall be subject to approval by the Employer and shall be in the form prescribed in the tender documents.

### **6. CONFLICTS OF INTEREST, CORRUPTION AND FRAUD**

#### **6.1 Service Provider not to benefit from commissions, discounts, etc.**

The remuneration of the Service Provider under the Contract shall constitute the Service Provider's sole remuneration in connection with the Contract, or the Services, and the Service Provider shall not accept for his own benefit any trade commission, discount, or similar payment in connection with activities pursuant to the Contract, or in the discharge of his obligations under the Contract, and shall use his best efforts to ensure that the Personnel, any sub-contractors, and agents of either of them shall, similarly, not receive any additional remuneration.

#### **6.2 Royalties and the like**

The Service Provider shall not have the benefit, whether directly or indirectly, of any royalty or of any gratuity or commission in respect of any patented or protected article or process used in or for the purposes of the Contract, or Project, unless so agreed by the Employer in writing.

#### **6.3 Independence**

The Service Provider shall refrain from entering into any relationship which could be perceived as compromising his independence of judgment, or that of Subcontractors or Personnel.



## **6.4 Corruption and Fraud**

6.4.1 The Service Provider shall neither:

- a) Offer or give or agree to give any person of the Employer any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forebore to do any act in relation to the obtaining or performance of this contract or any other contract with the Employer or for showing or forbearing to show favour or disfavour to any person in relation to this contract; nor
- f) Enter into this contract if in connection with its commission or a reward of any type has been paid, offered or agreed to be paid to any person of the Employer by the Service Provider or on his behalf or knowledge.

6.4.2 In the event that the Employer, in good faith and on reasonable grounds, comes to the opinion, that a breach of any of the provisions of Clause 6.4.1 has been perpetrated by the Service Provider or anyone employed by him or acting on his behalf in relation to this contract or any other agreement with the Employer, the Employer may:

- a) summarily suspend the operation of this Contract by notice in writing to the Service Provider, informing him of the Employer's opinion and the grounds and reasons upon which it is based, and calling upon the Service Provider to show cause, in writing, within fourteen (14) days of receipt of the written notice why the Employer should not terminate this Contract on the grounds of the alleged breach(es) of Clause 6.4.1 of this Contract;
- g) withhold all payments due;
- h) terminate this Contract by notice in writing to the Service Provider, if the Service Provider fails to respond to the Employer's written response, to satisfy the Employer that his opinion is unfounded. Provided always that such termination shall not prejudice or affect any right of action or remedy, which shall have accrued or shall accrue thereafter to the Employer and provided also that the Employer may recover from the Service Provider such sum as the Employer deems equivalent to the amount or value of any such gift, consideration, or commission.

6.4.3 In the event that the Employer, in good faith and on reasonable grounds, comes to the opinion that any contract with a Government or public sector body has been or was obtained by the Service Provider through actions that mutatis mutandis are similar in nature to those barred in terms of Clause 6.4.2 by the Service Provider or by anyone employed by the Service Provider or acting on the Service Provider's behalf in relation to such Contract, the Employer may:

- a) summarily suspend the operation of this Contract by notice in writing to the Service Provider, informing him of the Employer's opinion and the grounds and reasons upon which it is based, and calling upon the Service Provider to show cause, in writing within fourteen (14) days of receipt of the written notice why the Employer should not terminate this Contract on the grounds of the alleged breach(es) of Clause 6.4.1 of this contract;
- b) withholds all payments due
- c) terminate this Contract by notice in writing to the Service Provider, if the Service Provider fails to respond to the Employer's written notice within the prescribed time, or fails, in his written response, to satisfy the Employer that this opinion is unfounded. Provided always that such termination shall not prejudice or affect any right of action or remedy, which shall have accrued or shall accrue thereafter to the Employer.

## **7. SERVICE PROVIDER'S PERSONNEL**

### **7.1 Provision of Personnel**

7.1.1 The Service Provider shall provide appropriate Personnel for such time periods as required in terms of the Contract and shall enter all data pertaining to Personnel including titles, job descriptions, qualifications, and estimated periods of engagement on the performance of the Services in the Personnel Schedule.

7.1.2 The Services shall be performed by the Personnel listed in the Personnel Schedule for the periods of time indicated therein. The Service Provider may, subject to the approval of the Employer, make such adjustments to the data provided in terms of Clause 7.1.1 above as may be appropriate to

ensure the efficient performance of the Services, provided that the adjustments will not cause payments to exceed any limit placed on the Contract Price.

**7.1.3 The Service Provider shall:**

- a) forward to the Employer for approval, within 15 days of the award of the Contract, the Personnel Schedule, and a timetable for the placement of Personnel.
- i) inform the Employer of the date of commencement and departure of each member of Personnel during the course of the Project.
- j) submit to the Employer for his approval a timely request for any proposed change to Personnel, or timetables.

**7.2 Staff and equipment**

**7.2.1** The Service Provider shall employ and provide all qualified and experienced personnel required to perform the Services.

**7.2.2** Where required in terms of the Contract, the Service Provider shall provide Key Persons as listed in the Contract Data to perform specific duties. If at any time, a particular Key Person cannot be made available, the Service Provider may engage a replacement who is equally or better qualified to perform the stated duty, subject to the Employer's approval, which approval shall not be unreasonably withheld.

**7.2.3** Where the Service Provider proposes to utilise a person not named in the Personnel Schedule, he shall submit the name, relevant qualifications, and experience of the proposed replacement person to the Employer for approval.

**7.2.4** Where the fees for the Services are time-based, the fee payable for a person provided as a replacement shall not exceed that which would have been payable to the person replaced.

**7.2.5** Except in the case of replacement resulting from death or where the Employer requests a replacement not provided for by the Contract, the Service Provider shall bear all additional costs arising out of or incidental to such replacement.

**7.2.6** The Service Provider shall take all measures necessary and shall provide all materials and equipment necessary to enable Personnel to perform their duties in an efficient manner.

**7.3 7.3 Working hours, overtime, and leave**

Where the fee for the Services is time-based, working hours, leave entitlement and holidays for Personnel provided in terms of Clause 7 are to be as stated in the Contract Data, or, if not stated, to be determined by the Service Provider. The Employer will not be responsible for overtime payments to Personnel unless so specifically provided for in the Pricing Schedule.

**8. COMMENCEMENT, COMPLETION, MODIFICATION SUSPENSION AND TERMINATION OF THE CONTRACT**

**8.1 Commencement**

The effective date of the contract shall be the date of the Form of Acceptance. Contract shall come into effect on the date that it is signed by both Parties or such later date as may be stated in the Contract Data. The Service Provider shall commence the performance of the Services within thirty (30) days after the date that the Contract becomes effective, or such date as may be specified in the Contract Data.

**8.2 Completion**

**8.2.1** Unless terminated in terms of the Contract, or otherwise specified in the Contract Data, the Contract shall be concluded when the Service Provider has completed all Deliverables in accordance with the Scope of Work.

- 8.2.2 The Service Provider, may request an extension to the Period of Performance if he is or will be delayed in completing the Contract by any of the following causes:
- a) variations to Services ordered by the Employer.
  - k) failure of the Employer to fulfil his obligations under the Contract.
  - l) any delay in the performance of the Services which is not due to the Service Provider's default.
  - m) Force Majeure.
- 8.2.3 The Service Provider shall within 14 days of becoming aware that a delay may occur, notify the Employer of his intention to make a request for the extension of the Period of Performance to which he considers himself entitled and shall within 30 days thereafter deliver to the Employer full and detailed particulars of the request, in order that it may be investigated at the time.
- 8.2.4 The Employer shall, within 30 days of receipt of a detailed request, grant such extension to the Period of Performance as may be justified, either prospectively or retrospectively, or inform the Service Provider that he is not entitled to an extension. Should the Service Provider find the decision of the Employer to be unacceptable he shall, nevertheless, abide by such decision in the performance of the services and the matter shall be dealt with as a dispute in terms of Clause 12.

### **8.3 Force Majeure**

- 8.3.1 In this clause "Force Majeure" means an exceptional event or circumstance:
- a) which is beyond party's control,
  - n) which such a party could not reasonably have provided against before entering into the Contract,
  - o) which, having arisen, such Party could not reasonably have avoided or overcome, and
  - p) which is not substantially attributable to the other Party

Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below;

- i) natural catastrophes such as earthquake, hurricane, typhoon, or volcanic activity
- ii) war, hostilities (whether war to be declared or not), invasion, act of foreign enemies,
- iii) rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war,
- iv) riot, commotion, disorder, strike, or lockout by persons other than the Service Provider's Personnel or other employees of the Service Provider and Sub-contractors,

An event or circumstance which is attributable to a wilful act, neglect, or failure to take reasonable precautions by the affected party, his employee's agents, subcontractors, or others shall, under no circumstances, be considered Force Majeure.

- 8.3.2 The failure of a Party to fulfil any of its obligations under the Contract shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures in order to meet the terms and conditions of this Contract, and has notified the other Party within 10 days of its occurrence and within a reasonable time of its estimated duration and consequences. Failure to so notify shall terminate that Party's right to release from his obligations.
- 8.3.3 In the event that the performance of the Services has to be suspended on the grounds of Force Majeure, the time for completion shall be extended by the extent of the delay plus a reasonable period for the resumption of work or, if the speed of performing certain Services has to be reduced, the time for their completion shall be extended as may be necessary in the circumstances.
- 8.3.4 During the period of his inability to perform the Services as a result of an event of Force Majeure, the Service Provider shall be entitled to continue to be paid under the terms of the Contract and shall be reimbursed for additional costs reasonably and necessarily incurred by him in suspending, delaying and reactivating the performance of the Services.

- 8.3.5 If the Force Majeure event continues for more than 90 (ninety) days, either Party shall have the right to terminate this Contract with immediate effect.

#### **8.4 Termination**

- 8.4.1 The Employer may in addition to his rights under sub-clauses 6.4.2, 6.4.3 and 10.5 terminate the Contract by giving not less than thirty (30) days written notice thereof to the Service Provider after the occurrence of any of the following events:
- a) if the Service Provider does not remedy a failure in the performance of his obligations under the Contract within thirty (30) days after having been notified thereof, or within any further period as the Employer may have subsequently approved in writing;
  - q) if the Service Provider becomes insolvent or bankrupt;
  - r) if, as the result of Force Majeure, the Service Provider is unable to perform a material portion of the Services for a period of not less than sixty (60) days;
  - s) Committing an offence in terms of clauses 6.1 and/or 6.4;
  - t) if the Service Provider acts in such a way, under this contract or any other contract with the Employer, that a statute relating to the combating of fraud, corruption, uncompetitive practice, and the like can be invoked; or
  - u) if the Employer, at any time in its sole discretion determines that it no longer requires the completion of the Service by the Service Provider."

Upon delivery of such notice by the Service Provider he shall immediately vacate the site and deliver to the Employer all drawings, documents and papers relating to the Services and shall within fourteen (14) days after the date of termination submit an account for the Services satisfactorily performed prior to the date of notice. The Employer shall not be liable to the Service Provider for any loss of profit or damages suffered as a result of cancellation of the contract as contemplated in this clause.

- 8.4.2 The Service Provider may terminate the Contract, by giving not less than thirty (30) days written notice to the Employer after the occurrence of any of the following events:
- a) if the Employer fails to pay any monies due to the Service Provider in terms of the Contract and not subject to dispute pursuant to Clause 12 within forty-five (45) days after receiving written notice from the Service Provider that such payment is overdue; or
  - v) if, as the result of Force Majeure, the Service Provider is unable to perform a material portion of the Services for a period of not less than sixty (60) days; or
  - w) when the Services have been suspended under Clause 8.5 and the period of suspension exceeds 6 months, or it is clear to the Service Provider that it will be impossible or impractical to resume the suspended Services before the period of suspension has exceeded 6 months; or
  - x) if the Employer is in material breach of a term of the Contract and fails to rectify such breach within 30 days of the receipt of written notice requiring him to do so.
- 8.4.3 Upon termination of this Contract pursuant to Clauses 8.4.1 or 8.4.2, the Employer shall make the following payments to the Service Provider:
- a) remuneration in terms of the Contract for Services satisfactorily performed prior to the effective date of termination less any costs arising from termination.
  - y) except in the case of termination pursuant to events (a) and (b) of Clause 8.4.1, reimbursement of any reasonable cost incident to the prompt and orderly termination of the Contract.
- 8.4.4 Should the Service Provider, being an individual or the last surviving principal of a partnership or body corporate, die or be prevented by illness or any other circumstances beyond his control from performing the obligations implied by the Contract, the Contract shall be terminated without prejudice to the accrued rights or either Party against the other.
- 8.4.5 Where required in terms of the contract data the surety delivered by the Service Provider in terms of this Contract shall remain in force until the completion of the project.

#### **8.5 Suspension**

- 8.5.1 The Employer may temporarily suspend all or part of the Services by notice to the Service Provider who shall immediately make arrangements to stop the performance of the Services and minimise further expenditure.
- 8.5.2 When Services are suspended, the Service Provider shall be entitled to pro-rata payment for the Services carried out and reimbursement of all reasonable cost incident to the prompt and orderly suspension of the Contract.

## **8.6 Rights and liabilities of the Parties**

Completion, suspension, or termination of the Contract shall not prejudice or affect the accrued rights or liabilities of the Parties.

## **9. OWNERSHIP OF DOCUMENTS AND COPYRIGHT**

- 9.1 Copyright of all documents prepared by the Service Provider in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to Project shall be vested in the party named in the Contract Data. Where copyright is vested in the Service Provider, the Employer shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the Project and need not obtain the Service Provider's permission to copy for such use. Where copyright is vested in the Employer, the Service Provider shall not be liable in any way for the use of any of the information other than as originally intended for the Project and the Employer hereby indemnifies the Service Provider against any claim which may be made against him by any party arising from the use of such documentation for other purposes.
- 9.2 The ownership of data and factual information collected by the Service Provider and paid for by the Employer shall, after payment by the Employer, lie with the Employer. This shall include intellectual property gained during the project and any research work, papers and presentations done using the Employer's resources and information.
- 9.3 The Employer shall have no right to use any documents prepared by the Service Provider whilst the payment of any fees and expenses due to the Service Provider in terms of the Contract is overdue.

## **10. SUCCESSION AND ASSIGNMENT**

- 10.1 Except as defined in Clause 8.4.4 above, each Party binds itself and its partners, successors, executors, administrators, assigns and legal representatives to the other Party and to the other partners, successors, executors, administrators, assigns and legal representatives of the other Party in respect of all obligations and liabilities of the Contract.
- 10.2 An assignment including that of a sub-contractor, shall be valid only if it is a written agreement, by which the Parties transfer their rights and obligations under the Contract, or part thereof, to others.
- 10.3 The Service Provider shall not, without the prior written consent of the Employer, assign the Contract or any part thereof, or any benefit or interest there under, except in the following cases:
- a) by a charge in favour of the Service Provider's bankers of any monies due or to become due under the Contract; or
  - z) by assignment to the Service Provider's insurers of the Service Provider's right to obtain relief against any other person liable in cases where the insurers have discharged the Service Provider's loss or liability.
- 10.4 The approval of an assignment by the Employer shall not relieve the Service Provider of his obligations for the part of the Contract already performed or the part not assigned.
- 10.5 If the Service Provider has assigned his Contract or part thereof without authorization, the Employer may forthwith terminate the Contract.

## **11. SUB-CONTRACTING**

- 11.1 A sub-contract shall be valid only if it is a written agreement by which the Service Provider entrusts performance of a part of the Services to others.
- 11.2 The Service Provider shall not sub-contract to nor engage a Sub-contractor to perform any part of the Services without the prior written authorization of the Employer. The services to be sub-contracted and the identity of the Sub-contractor shall be notified to the Employer. The Employer shall, within 14 days of receipt of the notification and a full motivation why such services are to be sub-contracted, notify the Service Provider of his decision, stating reasons, should he withhold such authorization, failing which the Sub-contractor shall be deemed to be approved by the Employer. If the Service Provider enters into a sub-contract with a Sub-contractor without prior approval, the Employer may forthwith terminate the Contract.
- 11.3 The Employer shall have no contractual relationships with Sub-contractors. However, if a Sub-contractor is found by the Employer to be incompetent, the Employer may request the Service Provider either to provide a Sub-contractor with qualifications and experience acceptable to the Employer as a replacement, or to resume the performance of the relevant part of the Services himself.
- 11.4 The Service Provider shall advise the Employer without delay of the variation or termination of any sub-contract for performance of all or part of the Services.
- 11.5 The Service Provider shall be responsible for the acts, defaults and negligence of Sub-contractors and their agents or employees in the performance of the Services, as if they were the acts, defaults or negligence of the Service Provider, his agents, or employees. Approval by the Employer of the sub-contracting of any part of the Contract or of the engagement by the Service Provider of Sub-contractors to perform any part of the Services shall not relieve the Service Provider of any of his obligations under the Contract.
- 11.6 The Service Provider undertakes to pay the sub-contractor the full value as certified as being due in each interim monthly account. The Service Provider further undertakes to make payment within 7 (seven) days after payment by the Employer or by the 25th of the month following that in which the sub-contractor invoiced for the work, whichever date is earlier.

## **12. RESOLUTION OF DISPUTES**

### **12.1 Settlement**

- 12.1.1 Any dispute between the Parties shall arise by either party presenting to the other in writing the nature of the dispute and the facts to be dealt with. The Parties shall negotiate in good faith with a view to settling any dispute or claim arising out of or relating to the Contract and may not initiate any further proceedings until either Party has, by written notice to the other, declared that such negotiations have failed.
- 12.1.2 Any dispute or claim arising out of or relating to the Contract which cannot be settled between the Parties shall in the first instance be referred by the Parties to either mediation or adjudication as provided for in the Contract Data.

### **12.2 Mediation**

- 12.2.1 If the Contract Data does not provide for dispute resolution by adjudication, not earlier than ten working days after having advised the other Party, in terms of Clause 12.1, that negotiations in regard to a dispute have failed, an aggrieved Party may require that the dispute be referred, without legal representation, to mediation by a single mediator. The mediator shall be selected by agreement between the Parties, or, failing such agreement, by the person named for this purpose in the Contract Data. The costs of the mediation shall be borne equally by the Parties.

- 12.2.2 The mediator shall convene a hearing of the Parties and may hold separate discussions with any Party and shall assist the Parties in reaching a mutually acceptable settlement of their differences through means of reconciliation, interpretation, clarification, suggestion, and advice. The Parties shall record such agreement in writing and thereafter they shall be bound by such agreement.
- 12.2.3 The mediator is authorised to end the mediation process whenever in his opinion further efforts at mediation would not contribute to a resolution of the dispute between the Parties and shall do so, if after a period of 90 (ninety) days from entering into the mediation process, no resolution has been achieved.
- 12.2.4 If either Party is dissatisfied with the opinion expressed by the mediator or should the mediation fail, then such Party may require that the dispute be referred to arbitration or litigation in a competent civil court, as provided for in the Contract Data; provided that the dissatisfied Party notifies the other in writing within 28 Days of mediator's decision being issued or the mediator declaring the mediation to have ended, as provided for in the Contract Data. Claims not brought within the time periods set out herein will be deemed to be waived.

### **12.3 Adjudication**

- 12.3.1 If the Contract Data does not provide for dispute resolution by mediation, an aggrieved Party may refer the dispute to adjudication. Adjudication shall be in accordance with the latest edition of the separately published CIDB Adjudication Procedures.
- 12.3.2 The adjudicator shall be appointed in terms of the Adjudicator's Agreement bound in the Construction Industry Development Board's Adjudication Procedure.
- 12.3.3 The Adjudicator shall be any person agreed to by the parties or, failing such agreement, shall be nominated by the person named in the Contract Data. The Adjudicator shall be appointed in accordance with the Adjudicator's Agreement contained in the CIDB Adjudication Procedure.
- 12.3.4 12.3.4 If a Party is dissatisfied with the decision of the Adjudicator, the Party may give the other Party written notice of dissatisfaction within 28 days of the receipt of that decision and refer the dispute to arbitration or litigation in a competent civil court as provided for in the Contract Data. If notice of dissatisfaction is not given within the specified time, the decision shall be final and binding on the Parties.

### **12.4 Arbitration**

- 12.4.1 Arbitration, where provided for in the Contract Data, shall be by a single arbitrator in accordance with the provisions of the Arbitration Act of 1965 as amended and shall be conducted in accordance with such procedure as may be agreed between the Parties or, failing such agreement, in accordance with the Rules for the Conduct of Arbitrations, current at the date of the contract, published by the Association of Arbitrators.
- 12.4.2 The arbitrator shall be mutually agreed upon or, failing agreement, to be nominated by the person named in the Contract Data.

## **13. LIABILITY**

### **13.1 Liability of the Service Provider**

- 13.1.1 The Service Provider shall be liable to the Employer arising out of or in connection with the Contract if a breach of Clause 5.1 is established against him.
- 13.1.2 The Service Provider shall correct a Defect on becoming aware of it. If the Service Provider does not correct a Defect within a reasonable time and the Defect arose from a failure of the Service Provider to comply with his obligation to provide the Services, the Service Provider shall pay to the Employer the amount which the latter assesses as being the cost of having such Defect corrected by Others.

### **13.2 Liability of the Employer**

The Employer shall be liable to the Service Provider arising out of or in connection with the Contract if a breach of an obligation of his in terms of the Contract is established. The Service Provider shall have no separate delictual right of action against the Employer.

### **13.3 Compensation**

If it is established that either Party is liable to the other, compensation shall be payable only on the following terms:

- a) Compensation shall be limited to the amount of reasonably foreseeable loss and damage suffered as a result of the breach.
- aa) The compensation payable by either Party shall be reduced by the arbitrator/mediator/adjudicator to such extent as is deemed just and equitable having regard to the degree in which the other Party or any third party was at fault in relation to the loss or damage. The liability of the Parties is not joint, and each Party shall only be liable for that proportion of the compensation which is attributable to his fault.
- bb) In any event, the amount of compensation will be limited to the amount specified in Clause 13.5.

### **13.4 Duration of Liability**

Notwithstanding the terms of the Prescription Act No. 68 of 1969 (as amended) or any other applicable statute of limitation neither the Employer nor the Service Provider shall be held liable for any loss or damage resulting from any occurrence unless a claim is formally made within the period stated in the Contract Data or, where no such period is stated, within a period of three years from the date of termination or completion of the Contract.

### **13.5 Limit of Compensation**

- 13.5.1 The maximum amount of compensation payable by either Party to the other in respect of liability under the Contract is limited to:
  - a) the sum insured in terms of 5.4. in respect of insurable event; or
  - cc) the sum stated in the Contract Data or, where no such amount is stated, to an amount equal to twice the Contract Price (inclusive of VAT) payable to the Service Provider under the Contract.
- 13.5.2 Each Party agrees to waive all claims against the other insofar as the aggregate of compensation which might otherwise be payable exceeds the aforesaid maximum amount payable.
- 13.5.3 If either Party makes a claim for compensation against the other Party and this is not established, the claimant shall reimburse the other for his reasonable costs incurred as a result of the claim or if proceedings are initiated in terms of Clause 12 for such costs as may be awarded.

### **13.6 Indemnity by the Employer**

The Employer shall indemnify the Service Provider against all claims by third parties which arise out of or in connection with the performance of the Services save to the extent that such claims do not in the aggregate exceed the limit of compensation in Clause 13.5 or are covered by the insurances arranged under the terms of Clause 5.4.

### **13.7 Exceptions**

- 13.7.1 Clauses 13.5 and 13.6 shall not apply to claims arising from deliberate misconduct.
- 13.7.2 The Service Provider shall have no liability whatsoever for actions, claims, losses, or damages occasioned by:



- a) the Employer omitting to act on any recommendation, or overriding any act, decision, or recommendation, of the Service Provider, or requiring the Service Provider to implement a decision or recommendation with which the Service Provider disagrees or on which he expresses a serious reservation; or
- dd) the improper execution of the Service Provider's instructions by agents, employees, or independent contractors of the Employer.

#### **14. REMUNERATION AND REIMBURSEMENT OF SERVICE PROVIDER**

The Employer shall remunerate and reimburse the Service Provider for the performance of the Services as set out in the Pricing Data and Scope of Works. If not otherwise stated in the Pricing Data, the following shall apply:

- 14.1 The Service Provider shall be entitled to render interim monthly accounts for fees and reimbursements throughout the duration of the Contract. Interim amounts of lump sum fees due (or any specified fixed-progressed payments due that have been delayed by the acts of the Employer) shall be based on progress.
- 14.2 Amounts due to the Service Provider shall be paid by the Employer within thirty (30) days of receipt by him of the relevant invoices. If the Service Provider does not receive payment by the due date, he shall be entitled to charge interest on the unpaid amount, which is payable by the Employer on receipt by him of the relevant invoice for interest, at the Prime overdraft rate plus 2% per annum, compounded monthly and calculated from the due date of payment.
- 14.3 If any item or part of an item in an invoice submitted by the Service Provider is disputed by the Employer, the latter shall, before the due date of payment, give notice thereof with reasons to the Service Provider, but shall not delay payment of the balance of the invoice. Clause 14.2 shall apply to disputed amounts which are finally determined to be payable to the Service Provider.
- 14.4 In respect of Services charged for on a time basis and all other reimbursable expenses the Service Provider shall maintain records in support of such charges and expenses for a period of six months after the completion or termination of the Contract. Within this period the Employer may, on not less than 14 days' notice, require that a reputable and independent firm of accountants, nominated by him at his expense, audit any claims made by the Service Provider for time charges and expenses by attending during normal working hours at the office where the records are maintained.
- 14.5 All accounts presented for payment shall be according to the Employers prescribed format with proof of ITIS data capture and shall be submitted to the Employer electronically and when required, delivered in hard copy to the Employer's relevant regional office.
- 14.6 Payments due shall be subject to the deduction of retention monies as stated in the Contract Data. The retention monies so deducted shall be released in accordance with the phases and conditions stated in the Contract Data.
- 14.7 If applicable, Contract Price Adjustment will be paid according to the method stated in the Contract Data.

## C1.2.2 CONTRACT DATA: INFORMATION PROVIDED BY THE EMPLOYER

Clause No	Contract Data
-----------	---------------

1	The Employer is the South African National Roads Agency SOC Limited (SANRAL)
---	--

The Employer's *domicilium citandi et executandi* (permanent physical business address) is:

48 Tambotie Avenue  
VAL DE GRACE, 0184

The authorised and designated representative of the Employer is:

Name: .....

Telephone: .....

Facsimile: .....

3.4	The address for receipt of communications is:
-----	---

SANRAL Head Office, 48 Tambotie Avenue, Val de Grace, Pretoria, 0184.

3.5	The project is Consulting Engineering Services for The Inspection of Bridges and Major Culverts.
-----	--

The location for the performance of the Project is SANRAL Head Office 48 Tambotie Avenue, Val de Grace, Pretoria, 0184.

3.6	The Service Provider may only release public or media statements or publish material related to the Services or Project subject to the approval of the Employer.
-----	--

3.11.1	The penalty payable for poor performance will be applied over the full-time duration of the Contract. Penalty charges shall be as follows:
--------	--

1. The penalty payable is R2000.00 per day per package exceeding the milestone dates.
25. R500 per structure where an error in the data is discovered
26. R2000 per structure for captured GPS Coordinates exceeding 50m from the actual structure location. (GPs coordinates are to be captured in Geographic coordinates as Degrees, minutes, seconds, and decimal seconds against the WGS84 datum)

The total value of penalties payable are subject to a maximum of 10% of the Contract Value excluding all Prime Costs and Provisional Sums.

3.14	The milestone dates for the inspection packages is given in Part C3.11. the contract duration is longer to allow for any corrections that may be necessary. The duration of the inspection packages contracts is 36 months. The duration of the verification and strategic inspection packages will be 60 months.
------	---

5.1.7

5.4	The Service Provider is required to provide the Service with all reasonable care, diligence, and skill in accordance with generally accepted professional techniques and standards.
-----	---

The Service Provider is required to provide the following insurances:

1. Insurance against Professional indemnity

Cover is: R2 000 000.00 million without a limit on the number of claims (The limit of liability is only provided to cover the Employer's damages and does not allow for the Service Provider's costs for defending any claim.)

Period of cover: 10 years

2. Insurance against general public liability

Cover is: R 5 000 000.00 million

Period of cover: 10 years

3. Third Party Liability

Cover is: R 5 000 000.00 million

Period of cover: Duration of contract only.

5.5 The Service Provider is required to obtain the Employer's prior approval in writing before taking any of the following actions:

1. Appointing Key Personnel not listed by name in the Contract Data.
2. Appointing sub-contractors for the performance of any part of the Service.
3. Expending any Prime Cost and/or Provisional Sum in the Contract or Works Contract.
4. Authorising any work under a Variation (Works Authorisation) for the Works Contract.
5. Authorising any work outside the contract limits.
6. Over-expenditure on the Works Contract.
7. Changing the scope of work for the Works Contract.
8. Acceptance of sub-standard work and/or reduced payments under the Works Contract.
9. All requirements in the relevant documents listed in Clause C3.1.6.
10. Making statements to the media regarding the project.

5.9 The provision of a Performance Security will not be required under this Contract.

7.2 The Key Persons required for this project are:

Project Leader

SANRAL Certified Senior Bridge Inspector/s (only if tendering for strategic/verification ad hoc inspections)

SANRAL Certified Bridge Inspector/s

SANRAL Certified Culvert Inspector/s

The working hours and holiday for site staff are:

Not applicable Inspections may not be undertaken in the time between 30 minutes before sunset and 30 minutes after sunrise. Subject to weather conditions and sufficient light being available to inspect the structure

8.1 The effective date of the contract shall be the date of the Form of Acceptance.

The commencement of the contract will be on award of tender. Performance shall commence immediately following the Calibration workshop

8.2 The Contract for inspection packages is for a period of 36 months. Inspection will be conducted in the first 6 months The contract will remain in place for a further 30 months to allow the employer to perform quality assurance checks, and rectification by the service provider should the need arise. The Strategic and verification packages will be for a duration of 60 months.

9.1 Copyright of documents prepared for the Project shall be vested with the Employer.

11.2 The Service Provider shall not sub-contract more than 25% of the tendered contract value (including value of work allocated to Targeted Enterprise(s) but excluding any services specified in the Scope of Works to be procured under a Provisional Sum through the Employer's Supply Chain Procurement process) to any other enterprise that does not have an equal or higher B-

BBEE status level, unless the intended sub-contractor(s) is an Exempted Micro Enterprise that has the capability and ability to execute the sub-contract.

The Service Provider shall disclose all subcontracting arrangements. If the Service Provider fails to disclose, he shall be given 14 days to make representation as to why:

- (i) the contract shall not be terminated;
- (ii) the Service Provider shall not be penalised up to 10% of the value of the contract.

12. Interim settlement of disputes is to be by mediation.

Final settlement is by litigation.

In the event that the parties fail to agree on a mediator, the mediator is to be nominated by the President of the South African Institution of Civil Engineering.

13.4 Neither the Employer nor the Service Provider is liable for any loss or damage resulting from any occurrence unless a claim is formally made within 36 months from the date of termination or completion of the Contract.

13.5 The maximum amount of compensation payable by either Party to the other in respect of liability under the Contract is limited to R 3.0 million

14.6 Retention monies shall be 10% of the value of completed works (excluding VAT). Such retention monies shall be released by the Employer 12 months after the completion date of the inspections.

14.7 Contract Price Adjustment: refer to pricing instructions in clause C2.1.6 of the pricing schedule.

Base date shall be the date 28 days prior to the latest date for submission of tenders.

**C1.2.3 CONTRACT DATA: INFORMATION PROVIDED BY THE TENDERER****A: CONTACT DETAIL**

The Service Provider is .....

Address: .....

Telephone: .....

Facsimile: .....

The authorised and designated representative of the Service Provider is:

Name: .....

The **postal address** for receipt of communications is: .....

.....

Telephone: .....

Facsimile: .....

E-mail Address: .....

**B: KEY PERSONS**

Key Persons	Name
Project Leader	
SANRAL Cert. Senior Bridge Insp	
SANRAL Cert. Senior Bridge Insp	
SANRAL Cert. Bridge Insp	
SANRAL Cert. Bridge Insp	
SANRAL Cert. Bridge Insp	
SANRAL Cert. Bridge Insp	
SANRAL Cert. Bridge Insp	
SANRAL Cert. Bridge Insp	
SANRAL Cert. Culvert Insp.	
SANRAL Cert. Culvert Insp.	

Key Persons	Name
SANRAL Cert. Culvert Insp.	
SANRAL Cert. Culvert Insp.	
SANRAL Cert. Culvert Insp.	

\* Attach letter confirming permanent or contract employment/signed letter of consent.

**D: INFORMATION REQUIRED FOR THE PUBLICATION OF AWARD AS PER NATIONAL TREASURY NOTE**

Name of Partners, Members or Directors	Appointment Date	Designation

### C1.3 OTHER STANDARD FORMS

#### C1.3.1 FORM OF GUARANTEE

**Note to tenderer:**

**This proforma guarantee is included for information purposes only. Where required in terms of the Contract, a separate form of Guarantee will be issued to the successful tenderer for completion and signature**

TO: The South African National Roads Agency SOC Limited  
PO Box 415  
Pretoria  
0001

CONTRACT SANRAL N..... (Insert contract number and title)

1. I/We, the undersigned,

..... and .....

in our capacity as

..... and .....

and as such duly authorised to represent: .....

.....

.....

(hereinafter referred to as "the Guarantor" (in the case of a company a Resolution to be attached) do hereby hold at your disposal the amount of .....

(R.....) (the "guaranteed amount") for the due fulfilment by (insert the name of Service Provider) (hereinafter referred to as "the Service Provider") of its obligations to The South African National Roads Agency SOC Limited (hereinafter referred to as "SANRAL") in terms of the above stated contract between the Service Provider and SANRAL.

2. We hereby renounce the benefits of the exceptions *non numeratae pecuniae*, *non-causa debiti*, *excussionis* and *divisionis*, the meanings and effect whereof we declare ourselves to be fully conversant.

1. We undertake and agree to pay to SANRAL the said guaranteed amount or such portion as may be demanded on receipt of a written demand from SANRAL, which demand may be made by SANRAL, if in your opinion and at your sole discretion, the said Service Provider fails and/or neglects to commence the work as prescribed in the contract or if he fails and/or neglects to proceed therewith or if, for any reason, he fails and/or neglects to complete the services in accordance with the condition of contract, or if he fails or neglects to refund to SANRAL any amount found to be due and payable to SANRAL, or if his estate is sequestrated or if he surrenders his estate in terms of the Insolvency Law in force within the Republic of South Africa.

4. Subject to the above and without in anyway detracting from your rights to adopt any of the procedures set out in the contract, the said demand can be made by you at any stage.

5. The said guaranteed amount or such portion as may be demanded may be retained by SANRAL on condition that after completion of the service as stipulated in the contract, SANRAL shall account to the Guarantor showing how this amount has been utilised and refund to the Guarantor any balance due.

6. This guarantee is neither negotiable nor transferable and
- (a) must be surrendered to us at the time when SANRAL accounts to the Guarantor in terms of clause 5 above, or
  - (b) shall lapse upon the issue of the Taking-Over Certificate for the construction Works of the project, and
  - (c) shall not be interpreted as extending the Guarantor's liability to anything more than payment of the amount guaranteed.
7. This guarantee shall be governed by South African Law and subject to the jurisdiction of South African Courts.

THUS DONE AND SIGNED AT ..... ON THIS ..... DAY OF  
..... 20 .....

GUARANTOR: .....

NAME (IN CAPITALS) .....

AS WITNESSES: 1 ..... 2 .....

NAMES (IN CAPITALS): 1 ..... 2 .....

ADDRESSES: 1 ..... 2 .....

.....

.....



**C1.3.2 AGREEMENT IN TERMS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT 1993 (ACT NO 85 OF 1993) AND CONSTRUCTION REGULATIONS 2014**

This AGREEMENT made at .....

on this the ..... day of ..... in the year .....

between THE SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LIMITED (hereinafter called "the Employer") on the one part, herein represented by ..... **compiler to insert**

in his capacity as ..... **compiler to insert**

and delegate of the Employer in terms of the Employer's standard powers of delegation pursuant to the provisions of Act No. 7 of 1998, and .....

(hereinafter called "the Mandatary") on the other part, herein represented by .....

.....

in his capacity as .....

WHEREAS the Employer is desirous that certain works be designed, viz CONTRACT SANRAL: .....

..... **Insert contract number** for .....

..... **insert contract title**

**NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. The Mandatary shall execute the work in accordance with the contract documents pertaining to this contract.
27. This Agreement shall hold good from its commencement date, to either :
  - a) the date of the construction contract Performance Certificate issued in terms of sub-clause 11.9 of the Conditions of Contract for Construction for Building and Engineering Works designed by the Employer (1999) published by Federation Internationale des Ingenieurs-Conseils (FIDIC), as contained in Volume 1 of the contract documents pertaining to this contract, or
  - b) the date of termination of this contract in terms of Clause 8 of the CIDB's Standard Conditions of Contract for Professional Services.
28. The Mandatary declares himself to be conversant with the following:
  - a) All the requirements, regulations and standards of the Occupational Health and Safety Act (Act 85 of 1993), hereinafter referred to as "The Act", together with its amendments and with special reference to the following Sections of The Act.
    - i) Section 8: General duties of employers to their employees.
    - ii) Section 9: General duties of employers and self-employed persons to persons other than employees.
    - iii) Section 37: Acts or omissions by employees or mandataries and
    - iv) Sub-section 37(2) relating to the purpose and meaning of this Agreement.
  - b) The procedures and safety rules of the Employer as pertaining to the Mandatary and to all his sub-Service Providers.
29. In addition to the requirements of the agreed contract, the Mandatary further agrees to strictly adhere to his duties and responsibilities as set out in Regulation 6 of the Construction Regulations 2014.

30. The Mandatary is responsible for the compliance with the Act by all his sub-Service Providers, whether or not nominated and/or approved by the Employer.
31. The Mandatary warrants that all his and his sub-Service Provider's' employees are covered in terms of the Compensation for Occupational Injuries and Diseases Act 1993, which cover shall remain in force whilst any such employees are present on site. A letter of good standing from the Compensation Commissioner to this effect must be produced to the Employer upon signature of the agreement.
32. The Mandatary undertakes to ensure that he and/or his sub-Service Providers and/or their respective employees will at all times comply with the following conditions:
- a) The Mandatary shall assume the responsibility in terms of Section 16.1 of The Act. The Mandatary shall not delegate any duty in terms of Section 16.2 of The Act without the prior written approval of the Employer. If the Mandatary obtains such approval and delegates any duty in terms of section 16.2 a copy of such written delegation shall immediately be forwarded to the Employer.
  - b) All incidents referred to in Section 24 of The Act shall be reported by the Mandatary to the Department of Labour as well as to the Employer. The Employer will further be provided with copies of all written documentation relating to any incident.
  - c) The Employer hereby obtains an interest in the issue of any formal enquiry conducted in terms of section 32 of The Act into any incident involving the Mandatary and/or his employees and/or its sub-Service Providers.

In witness thereof the parties hereto have set their signatures hereon in the presence of the subscribing witnesses:

SIGNED FOR AND ON BEHALF OF EMPLOYER: .....

WITNESS 1: .....

NAME (IN CAPITALS) .....

WITNESS 2: .....

NAME (IN CAPITALS) .....

SIGNED FOR AND ON BEHALF OF THE MANDATARY .....

WITNESS 1: .....

NAME (IN CAPITALS): .....

WITNESS 2: .....

NAME (IN CAPITALS) .....

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# PART C2   PRICING DATA

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**PART C2: PRICING DATA**

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## C2.1 PRICING INSTRUCTIONS

C2.1.1 For the purposes of this Pricing Schedule, the following words shall have the meanings hereby assigned to them.

Unit:	The unit of measurement for each item of work as defined in the Scope of Works.
Quantity:	The number of units of work for each item as provided by the Employer or as tendered by the Service Provider.
Rate:	The payment per unit of work for which a rate has been provided by the Employer or for which the Service Provider tenders to do the work.
Amount:	The product of the quantity and the rate tendered for an item.
Lump Sum:	An amount tendered for an item, the extent of which is described in the Pricing Schedule, the Scope of Work or elsewhere, but of which the quantity of work is not measured in units.
Provisional Sum:	An amount allowed for in the Pricing Schedule, for which the quantity of work is not known.
Prime Cost:	Is a specific type of Provisional Sum where payment is made on the production of invoices showing the cost price of the implementation or installation of the service required. Services rendered in this manner carry a cost for which a rate or a lump sum is offered at tender stage to cover all the tenderer's handling, supervision, and liability costs in providing the item or services.

C2.1.2 The quantities provided by the Employer in the Pricing Schedule are only approximate quantities. The quantities of work finally accepted and certified for payment, and not the quantities given in the Pricing Schedule, will be used to determine payments to the Service Provider.

The validity of the Contract shall in no way be affected by differences between the quantities in the Pricing Schedule and the quantities finally certified for payment. Work is valued at the rates or lump sums tendered.

C2.1.3 Rates and lump sums shall include full compensation for overheads, profits, incidentals, tax (other than VAT), etc., and for the completed items of work as specified in the Scope of Works and Contract Data and for all the risks, obligations and responsibilities specified in the General Conditions of Contract, Particular or Special Conditions of Contract, except in so far as the quantities given in the Pricing Schedule are only approximate.

C2.1.4 The tenderer shall fill in a quantity or a rate or a lump sum for each item where provision is made. Items against which no rate or lump sum has been entered in the tender will not be paid for when the work is executed, as payment for such work will be regarded as being covered by other rates or lump sums in the pricing schedule.

The tenderer shall fill in a rate against all items where the words "rate only" appears in the amount column. Although no work is foreseen under such item and no quantities are consequently given in the quantity column, the tendered rate shall apply should work under this item actually be required. Tenders should note the provisions of clause C2.1.10 of this preamble.

The tendered lump sums and rates shall be valid irrespective of any change in the quantities during the execution of the contract.

C2.1.5 The short descriptions of the payment items in the Pricing Schedule are only given to identify the items and to provide specific details. Reference shall, inter alia, be made to the Contract Data, General Conditions of Contract and Particular/Special Conditions of Contract and Scope of Works for more detailed information regarding the extent of work entailed under each item.

C2.1.6 Where so indicated under measurement and payment, prices or rates will be subject to adjustment for escalation as provided for below:

- The prices or rates shall be fixed for the first 12-month period determined from the tender base date and no change during this period will be allowed for escalation.
- On the 12-month anniversary date of the Contract base date the rates or sums shall be adjusted by the 12-month year on year CPI index (as published in the monthly bulletin PO141. of Statistics South Africa under table B) and fixed at this value for the following 12-month period. Subsequent 12-month periods shall be dealt with on the same basis.
- Adjustment of lump sum prices for escalation shall only be applicable to that portion of the relevant Service which is incomplete at the end of the 12-month anniversary date and shall not be applicable to any progress payments already claimed.

Adjustment for escalation shall only be applicable for services or portions thereof, that are still within the prescribed programme and any approved extensions of time.

C2.1.7 Interim payments for lump sum payment items may be permitted. Such interim payments shall however be limited to proven progress achieved for that particular service deliverable. The sum of any progress payments made under a particular lump sum payment item shall be deducted prior to calculating any adjustments for escalation as described in clause C2.1.6 above.

C2.1.8 Provisional and Prime Cost Sums: Each Sum shall only be used, in whole or in part, in accordance with the Employer's instructions and the Contract Price shall be adjusted accordingly. The total sum paid to the Service Provider shall include only such amounts, for the work, supplies or services to which the Sum relates, as the Employer shall have instructed.

For each Sum, the Employer may instruct plant, materials, or services to be procured by the Service Provider in accordance with the Employer's policies, and for which there shall be included in the Contract Price:

- The actual amounts paid (or due to be paid) by the Service Provider under the Sum, and
- An item for compilation and printing of procurement documentation, quotation/tender process and evaluation, and all overhead charges and profit, tendered in the Pricing Schedule. Provided that for Prime Cost Sums only, where a percentage mark-up or lump sum mark-up is tendered, which shall exclude profit.

The Service Provider shall produce all quotations, invoices, vouchers and accounts or receipts in substantiation of any claim under a Sum.

Any percentage adjustment or lump sum mark-up against the Sum for handling fee, profits, etc. shall not be negative.

C2.1.9. Subject to the conditions stated in Clause C2.1.10 below, the rates and lump sums filled in by the tenderer in the pricing schedule shall be final and binding with regard to submitting the tender and may not be adjusted should there be any mistakes in the extensions thereof and in the total sums appearing in the tender. Should there be any discrepancies between the tender sum and the correctly extended and totalled pricing schedule, the rates and the lump sums will be regarded as being correct, and the Employer shall have the right to make adjustments to the tender sum to reconcile the tender sum with the total of the pricing schedule. In such an event the tenderer will be consulted but, failing agreement between the parties, the decision of the Employer shall be final and binding. Adjustment of the tender sum will take place prior to the signing of the contract. In their own interest tenderers must make doubly sure of the correctness of their tendered rates and lump sums, the extensions, and the tender sum.

C2.1.10 A tender shall be deemed non-responsive if the unit rates or lump sums for some of the items in the Pricing Schedule are, in the opinion of the Employer, unreasonable or out of proportion, and if the tenderer fails, within a period of seven (7) days of having been notified in writing by the Employer to adjust the unit rates or lump sums for such items, to make such adjustments.

- C2.1.11 All rates and sums of money quoted in the Pricing Schedule shall be in South African Rand and whole cents
- C2.1.12 The item numbers appearing in the Pricing Schedule refer to the corresponding item numbers in the Scope of Work.
- C2.1.13 The pricing schedules are provided electronically and can be downloaded from the SANRAL website. A printout of the entire completed Bill of Quantities must be signed and attached to the tender as well as an electronic copy of the priced Bill of Quantities. In the event of any discrepancy between the signed printed copy, and the electronically submitted copy, the tender rates in the signed copy will govern. The item numbers and description of the PDF document will govern. The item numbers and description of the PDF document will govern. For all addenda issued relating to the pricing schedule, the item numbers, description and quantities of the issued document will govern.
- C2.1.14 Tenderers are encouraged bid on all available packages. However, the tenderer may choose to only bid on a selection of packages. Packages that are not priced will be considered to have not been Bid on and will not be consider for award to a tenderer. The tenderer may also indicate the maxim limit the number of packages that should be awarded to them. Based on their own capacity constraints. This must be indicated on Form B 2.3. For strategic and verification packages; A tenderer may bid on all regions, or a tenderer may bid on a subset of regions Packages that are not priced will be considered to have not been bid on and will not be consider for award to a tenderer. A tenderer may choose to bid on no strategic and verification packages.

**C2.2 PRICING SCHEDULE (INCORPORATING SBD3)****Note to tenderer:****The tenderer will be declared non-responsive if:**

1. A signed Form of Offer is submitted with an incomplete Pricing Schedule.
33. A signed Form of Offer is submitted without a Pricing Schedule, but only the Summary of Pricing Schedule submitted.

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P01	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	35		
	1003	Major Culverts	No	67		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P02	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	59		
	1003	Major Culverts	No	29		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P03	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	26		
	1003	Major Culverts	No	58		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P04	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	67		
	1003	Major Culverts	No	53		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

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Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P05	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	18		
	1003	Major Culverts	No	21		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P06	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	108		
	1003	Major Culverts	No	21		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P07	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	135		
	1003	Major Culverts	No	23		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P08	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	68		
	1003	Major Culverts	No	11		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P09	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	55		
	1003	Major Culverts	No	27		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P10	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	43		
	1003	Major Culverts	No	30		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P11	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	39		
	1003	Major Culverts	No	33		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P12	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	19		
	1003	Major Culverts	No	52		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P13	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	42		
	1003	Major Culverts	No	20		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P14	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	31		
	1003	Major Culverts	No	60		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P15	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	18		
	1003	Major Culverts	No	44		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P16	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	33		
	1003	Major Culverts	No	60		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
ER-P17	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	37		
	1003	Major Culverts	No	56		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P01	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	38		
	1003	Major Culverts	No	28		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P02	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	115		
	1003	Major Culverts	No	21		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P03	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	61		
	1003	Major Culverts	No	30		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P04	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	38		
	1003	Major Culverts	No	71		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P05	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	55		
	1003	Major Culverts	No	52		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P06	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	34		
	1003	Major Culverts	No	4		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P07	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	72		
	1003	Major Culverts	No	9		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P08	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	99		
	1003	Major Culverts	No	18		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P09	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	93		
	1003	Major Culverts	No	9		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P10	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	36		
	1003	Major Culverts	No	56		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P11	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	57		
	1003	Major Culverts	No	15		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P12	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	31		
	1003	Major Culverts	No	36		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P13	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	39		
	1003	Major Culverts	No	26		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P14	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	52		
	1003	Major Culverts	No	11		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P15	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	33		
	1003	Major Culverts	No	73		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P16	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	28		
	1003	Major Culverts	No	58		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

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Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P17	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	49		
	1003	Major Culverts	No	53		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P18	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	48		
	1003	Major Culverts	No	48		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P19	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	40		
	1003	Major Culverts	No	42		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P20	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	25		
	1003	Major Culverts	No	75		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P21	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	13		
	1003	Major Culverts	No	54		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P22	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	71		
	1003	Major Culverts	No	77		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P23	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	36		
	1003	Major Culverts	No	42		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P24	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	35		
	1003	Major Culverts	No	49		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P25	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	26		
	1003	Major Culverts	No	40		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P26	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	38		
	1003	Major Culverts	No	59		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	



Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P27	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	19		
	1003	Major Culverts	No	58		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P28	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	70		
	1003	Major Culverts	No	72		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P29	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	48		
	1003	Major Culverts	No	60		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P30	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	27		
	1003	Major Culverts	No	53		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P31	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	42		
	1003	Major Culverts	No	21		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
NR-P32	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	19		
	1003	Major Culverts	No	72		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P01	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	19		
	1003	Major Culverts	No	56		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P02	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	55		
	1003	Major Culverts	No	56		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P03	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	98		
	1003	Major Culverts	No	14		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P04	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	42		
	1003	Major Culverts	No	40		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P05	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	65		
	1003	Major Culverts	No	43		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P06	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	40		
	1003	Major Culverts	No	50		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P07	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	60		
	1003	Major Culverts	No	68		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P08	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	36		
	1003	Major Culverts	No	36		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P09	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	26		
	1003	Major Culverts	No	61		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P10	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	38		
	1003	Major Culverts	No	104		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P11	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	23		
	1003	Major Culverts	No	65		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P12	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	6		
	1003	Major Culverts	No	48		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P13	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	12		
	1003	Major Culverts	No	81		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P14	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	28		
	1003	Major Culverts	No	52		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P15	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	16		
	1003	Major Culverts	No	42		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P16	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	20		
	1003	Major Culverts	No	87		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P17	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	8		
	1003	Major Culverts	No	54		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P18	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	23		
	1003	Major Culverts	No	56		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P19	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	29		
	1003	Major Culverts	No	57		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P20	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	20		
	1003	Major Culverts	No	87		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P21	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	11		
	1003	Major Culverts	No	69		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P22	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	8		
	1003	Major Culverts	No	66		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P23	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	14		
	1003	Major Culverts	No	87		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P24	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	25		
	1003	Major Culverts	No	49		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P25	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	13		
	1003	Major Culverts	No	58		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P26	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	20		
	1003	Major Culverts	No	59		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P27	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	16		
	1003	Major Culverts	No	25		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P28	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	28		
	1003	Major Culverts	No	85		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P29	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	63		
	1003	Major Culverts	No	49		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P30	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	28		
	1003	Major Culverts	No	45		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SR-P31	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	17		
	1003	Major Culverts	No	7		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P01	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	46		
	1003	Major Culverts	No	10		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P02	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	40		
	1003	Major Culverts	No	89		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P03	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	19		
	1003	Major Culverts	No	88		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	



Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P04	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	19		
	1003	Major Culverts	No	80		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P05	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	13		
	1003	Major Culverts	No	47		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P06	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	12		
	1003	Major Culverts	No	69		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P07	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	13		
	1003	Major Culverts	No	91		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P08	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	20		
	1003	Major Culverts	No	6		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P09	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	73		
	1003	Major Culverts	No	30		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P10	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	23		
	1003	Major Culverts	No	58		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P11	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	87		
	1003	Major Culverts	No	40		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P12	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	60		
	1003	Major Culverts	No	35		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P13	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	17		
	1003	Major Culverts	No	57		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P14	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	14		
	1003	Major Culverts	No	64		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P15	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	51		
	1003	Major Culverts	No	105		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P16	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	51		
	1003	Major Culverts	No	71		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P17	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	22		
	1003	Major Culverts	No	64		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P18	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	12		
	1003	Major Culverts	No	127		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P19	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	7		
	1003	Major Culverts	No	76		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P20	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	23		
	1003	Major Culverts	No	50		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P21	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	4		
	1003	Major Culverts	No	105		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P22	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	25		
	1003	Major Culverts	No	52		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P23	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	27		
	1003	Major Culverts	No	61		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P24	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	6		
	1003	Major Culverts	No	54		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P25	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	11		
	1003	Major Culverts	No	61		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P26	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	15		
	1003	Major Culverts	No	121		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P27	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	88		
	1003	Major Culverts	No	101		
	1004	Security	Lump Sum	1		
					<b>Total</b>	

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
WR-P28	1001	Establishment and de-establishment of personnel and equipment on site	Lump Sum	1		
	1002	Equivalent Bridge Units	No	32		
	1003	Major Culverts	No	38		
	1004	Security	Lump Sum	1		
SIGNATURE .....					<b>Total</b>	

VERIFICATION INSPECTION  
PACKAGES – EASTERN REGION

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SER	2001	Senior Certified Bridge Inspector Verification Inspections as instructed	Hours	1200		
	2002	General Assistant	Hours	1200		
	2003	Reports & Data Input (at office) by a Senior Certified Bridge Inspector	Hours	450		
	2004	Technician (at Office) (< 5 years post qualification experience)	Hours	450		
	2005	Technician (at Office) (> 5 years post qualification experience)	Hours	450		
	2006	Disbursements & Travel	Prov. Sum	1	R100 000.00	R100 000.00
	2007	Security for Structure inspections	Prov. Sum	1	R150 000.00	R150 000.00
					<b>Total</b>	

VERIFICATION INSPECTION  
PACKAGES – NORTHERN REGION

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SNR	2001	Senior Certified Bridge Inspector Verification Inspections as instructed	Hours	1200		
	2002	General Assistant	Hours	1200		
	2003	Reports & Data Input (at office) by a Senior Certified Bridge Inspector	Hours	450		
	2004	Technician (at Office) (< 5 years post qualification experience)	Hours	450		
	2005	Technician (at Office) (> 5 years post qualification experience)	Hours	450		
	2006	Disbursements & Travel	Prov. Sum	1	R100 000.00	R100 000.00
	2007	Security for Structure inspections	Prov. Sum	1	R150 000.00	R150 000.00
					<b>Total</b>	

VERIFICATION INSPECTION  
PACKAGES – SOUTHERN REGION

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SSR	2001	Senior Certified Bridge Inspector Verification Inspections as instructed	Hours	1200		
	2002	General Assistant	Hours	1200		
	2003	Reports & Data Input (at office) by a Senior Certified Bridge Inspector	Hours	450		
	2004	Technician (at Office) (< 5 years post qualification experience)	Hours	450		
	2005	Technician (at Office) (> 5 years post qualification experience)	Hours	450		
	2006	Disbursements & Travel	Prov. Sum	1	R100 000.00	R100 000.00
	2007	Security for Structure inspections	Prov. Sum	1	R150 000.00	R150 000.00
					<b>Total</b>	

VERIFICATION INSPECTION  
PACKAGES – WESTERN REGION

Group	Item	Item Description	Unit	Qty.	Unit Rate	Total
SWR	2001	Senior Certified Bridge Inspector Verification Inspections as instructed	Hours	1200		
	2002	General Assistant	Hours	1200		
	2003	Reports & Data Input (at office) by a Senior Certified Bridge Inspector	Hours	450		
	2004	Technician (at Office) (< 5 years post qualification experience)	Hours	450		
	2005	Technician (at Office) (> 5 years post qualification experience)	Hours	450		
	2006	Disbursements & Travel	Prov. Sum	1	R100 000.00	R100 000.00
	2007	Security for Structure inspections	Prov. Sum	1	R150 000.00	R150 000.00
					<b>Total</b>	

.....  
SIGNATURE

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## **PART C3    SCOPE OF WORK**

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**PART C3: SCOPE OF WORK**

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### C3.1 GENERAL REQUIREMENTS

#### C3.1.1 DEFINITIONS

**“Certified Bridge Inspector”** means a person issued a certificate by COTO/SANRAL stating that he is a certified bridge inspector. A Certified Bridge Inspector may inspect bridges or culverts.

**“Certified Culvert Inspector”** means a person issued a certificate by COTO/SANRAL stating that he is certified culvert inspector. A Certified Bridge Inspector may inspect culverts but not bridges.

**“Certified Senior Bridge Inspector”** means a person that is a Certified Bridge Inspector who shall be a Professional Engineer with a minimum of 15 years applicable bridge experience (approved by SANRAL). A Certified Senior Bridge Inspector may inspect bridges or culverts.

**“General Assistant”** means a person whose main task is to accompany the inspector mainly to be a safety backup and to provide general assistance. No qualifications are necessary for this post.

**“Package”** means a group of structures that are separately scheduled as such in the Schedule of Quantities. Descriptions of the different packages are given in PART C4: SITE INFORMATION

**“Bridge”** for the purposes of this contract means a structure classified as a bridge if one or more of the following criteria are satisfied:

- The clear single span measure on the skew parallel to centreline of road exceeds 6m
- The overall length of the structure exceeds 20 m between abutment faces.
- Opening height exceeds 6m
- Where the total cross-sectional opening measured perpendicular to abutments exceeds 36m<sup>2</sup>
- The structure crosses a railway line

**“Major Culvert”** for the purposes of this contract means a structure classified as a major culvert if one or more of the following criteria are satisfied:

- A structure with dimensions less than a bridge but with any single span (square with the abutment or walls) 2.1m or greater
- The total cross-sectional opening measured perpendicular to abutments is 5m<sup>2</sup> or larger.

#### C3.1.2 SCOPE OF WORK

Only bridges and major culverts will be inspected. Any other structures that are inspected will not be paid. Both bridges and major culverts must be checked against definitions and reclassified if required. If bridge and culvert inspectors are different persons, they must coordinate the classification of structures as either bridge or major culverts. Lessor or minor culverts must not be inspected.

The details of each package are given in PART C4: SITE INFORMATION inspectors must ensure that they are familiar with the extents of the packages that have been awarded to them. The package is awarded based on Route, section, and km distance limits. The service provider must evaluate the route and ensure that the all the structures that classify as a bridge or major culvert are listed on the software for inspection. The Service provider is to inspect all structures on the route that classify as bridges or major culverts. Only Bridges that are listed as strategic bridges in package should not be inspected as these inspections will be conducted by the senior bridge inspector. Structure records made electronically available through ITIS Desktop to the inspector should be used as a guideline only as this information may not be complete.

Should a structure be missing from the supplied inventory list; SANRAL shall be informed. Should structure records be available in the database the structure will be allocated to the inspection package. If no records exist SANRAL will instruct the inspector to create a new structure record in ITIS.

In order to prevent duplication of structures in the database the following course of action should be taken if the inventor information is incorrect:

- Should a structure be incorrectly classified in the inventory; the structure record should be marked as reclassified, and a new structure created. A comment in the inventory of the old and new structure must be made referencing the old and new record to one another.
- Should a structure smaller than a major culvert be classified in the inventory as a bridge or major culvert; SANRAL shall be informed so SANRAL can remove it from the list.

Should the route covered by the package intersect another SANRAL route; the inspector must check with SANRAL before inspecting this structure.

The workflow envisioned is as follows. Initially the successful tenderer will travel the route and capture the location and classification of structures. Inspections will then commence. Inspectors will verify the current inventory information correcting it where necessary. The inspector will then conduct the condition rating of the structure. Inventory and defect photographs will be taken.

1. Confirmation of the GPS location data (two points on each structure) of the structure. As a guideline:
  - a) Coordinates for bridges be parallel to the road. (Start and end in the sequence of increasing km distance. For dual carriage way roads this is related to the increasing km distance of the primary direction)
  - b) Coordinates for overpasses and underpasses will be across the road (this is done in the sequence of increasing km distance of the route crossing. Where this is unknown then Start and end coordinates are from left to right when facing in the increasing km distance of the primary route)
  - c) Coordinates for culverts will always be across the road. (For drainage or stream culverts, start coordinates will be at the inlet of the culvert and end coordinate are at the outlet of the culvert. For other culverts Start and end coordinates are from left to right when facing in the increasing km distance of the primary route.)
34. Confirmation and Input of inventory data into inventory sheets for all bridges and major culverts into data capture software supplied by SANRAL (see also Clause C3.13.1)
35. Visual inspection of the identified bridges and major culverts in the field.
36. Inventory photographs of all bridges and major culverts. **Camera must be at least 5 Megapixels with, and images must be geo-tagged.**
37. Determination by means of a laser distance measurement device of minimum vertical clearances above each road to the bridge deck soffits to an accuracy of 5mm. This value is captured in the inventory part, and it is important that all values must be verified.
38. Input of the inspection data into data capture program supplied by SANRAL.
39. Input of the inventory and inspection photographic images (5mPix) need not be renamed and are to be copied into a suitable directory. The data capture program supplied by SANRAL will then be used to upload the photos on-line onto the SANRAL server using the capture program supplied.
40. A hardcopy as well as a scanned copy of the field inspection sheets must be kept by the consulting engineer for a period of **7 years**. The Consulting firm is to keep and safeguard a copy of all electronic data for **7 years**. Storage onto CDs only is not recommended as CD can get corrupted in time.

Along some routes no detail is available. Each inspecting team will be responsible for the inspection of bridges and major culverts on one or more packages of structures allocated to them. The route and section definitions may change, and no guarantee is given that the definitions and the start and end kilometre distances in the field agree with blue board markers. The exact number of bridges & major culverts on the various sections of road may also differ from that indicated in the various schedules. The inspector must make use of the supplied GPS co-ordinates to locate the bridges or major culverts. All co-ordinates must be verified in the field.

### Structure definition sketch

In order to assist in the continuity between inspections SANRAL is implementing the following system with regarding structure orientation. The orientation of the structure will be defined based on the compass direction of the structure in the field. A definition sketch will then define the numbering of spans, piers, and abutments. Each structure will need its own Definition sketch.

- Where a structure that is inspected does not have a definition sketch a definition sketch will need to be produced. These sketches must comply with the specification in C3.13.4. These costs of producing this sketch shall be included in the price tendered under Item 1002, Item 1003, and Item 2004.
- Where a structure definition sketch is available the numbering of the inspection elements must be done in line with the definition sketch.
- Where the structure definition sketch is found to be incorrect or requires updating a new sketch must be produced and uploaded. These sketches must comply with the specification in C3.13.4. These costs of producing this sketch shall be included in the price tendered under Item 1002, Item 1003, and Item 2004.

### Verification inspections

Verification inspections may only be undertaken by COTO Certified senior bridge inspectors. Structures to be inspected will be identified by the Employer. Once a structure is identified for inspection by the appointed senior bridge inspector the inspection must be undertaken within two weeks, this time period may be extended at the sole digression of the Employer. The tasks allocated to senior bridge inspectors include, but are not limited to, Principal inspections, partial inspections, emergency inspections, verification inspections, tunnel inspections and ad hoc inspections. Separate to the electronic capture of inspections though the ITIS software, additional written reports may be required when so instructed by the Employer. Inspections may require the use of the Under Bridge Inspection Unit UBIU.

### C3.1.3 PERSONNEL REQUIREMENT

Bridge inspections will be carried out by a minimum of two persons in a team consisting of a Certified Bridge Inspector and a General Assistant. Major Culvert inspections will be carried out by a minimum of two persons in a team consisting of a Certified Culvert Inspector, or bridge inspector, and a General Assistant. The following are the qualification requirements for inspecting staff:

1. **Certified Bridge Inspector:** Shall be a professional engineer or technologist who is a SANRAL certified bridge inspector. Proof of certification by means of a copy of the certificate issued is required.
41. **Certified Culvert Inspector:** Shall be an engineer or technologist who is a SANRAL certified culvert inspector. Proof of certification by means of a copy of the certificate issued is required.
42. **Certified Senior Bridge Inspector:** Shall be a professional engineer who is a SANRAL certified Senior Bridge Inspector. Proof of certification by means of a copy of the certificate issued is required
43. **General Assistant:** This is a person who shall generally assist and be a safety backup for the Certified Bridge Inspector, Certified Culvert Inspector or Senior Certified Bridge Inspector. In order to contribute skills, transfer and development of the industry, the General assistant must be an engineer or technologist who is gaining experience towards becoming a Certified Culvert/Bridge Inspector. The General assistant must hold the relevant academic qualification but does not have to be ECSA registered. The general assistant must have attended the Bridge inspection Course. Or must have attended the course during the inspection period. The details of the General assistants must be submitted to SANRAL before inspections commence along with the proof or attendance of the Bridge inspection Course or an undertaking that the course will be attended. should the requirements for General assistants not be met SANRAL will require that the individual be replaced, and the credentials be submitted for approval. In order to contribute to SANRAL's transformation goals it is an additional requirement that for a certain percentage of the structures inspected the General Assistant come from particular designated groups

	Target Minimum number of structure inspections
Black Female	24%
Black Male	36%

Please note that non-certified personnel will not be allowed to inspect any structures.

Certified Bridge Inspectors or Certified Senior Bridge Inspectors may inspect bridges and culverts. Certified Culvert Inspectors may inspect culverts but not bridges.

SANRAL may provide its Candidate Engineers to join the inspection team for the purpose of gaining exposure and experience. The Employer's Candidate Engineers cannot be used as a replacement to the General Assistant. All travel and accommodation costs for the Candidate Engineers will be covered by SANRAL. The Candidate Engineers must arrange to fit in with the inspection schedule of the inspection team. It is anticipated that a Candidate Engineers would accompany the inspection team for a duration of two weeks or less. Costs for this must be include in tendered rates. No additional payment will be made.

### **C3.1.4 STRUCTURE PACKAGES**

Bridges and Major Culverts along the national road network have been divided into separate packages. The extents of these packages are given in C4.1. Additional structures to be excluded from inspection will be identified to those doing the inspections and input.

Packages for verification inspections to be conducted by Senior bridge inspectors will also be awarded. More than one Senior bridge inspector per region may be appointed at the discretion of the employer. The Employer is however not obliged to use the Consulting Firms for such work although it may fall within the geographic area awarded to the Consulting Firm. The Employer reserves the right to allocate inspections to the inspector of their choice or to allocate inspection work outside the region of original appointment.

### **C3.1.5 EQUIPMENT NEEDED FOR INSPECTIONS**

Although not exhaustive the following equipment is the minimum requirement for inspections.

#### **1. For both bridge and major culvert inspections:**

- a) GPS capable of 3m nominal global accuracy. Will measure Longitude & Latitude in Degrees, Minutes and Seconds (seconds to 1 decimal) i.e. ddd mm ss. s
- b) Flashing amber light to attach to roof of car & safety vests.
- c) Strong Torch for lighting up inside dark areas.
- d) Gum boots or waders for wading purposes (shallow water only).
- e) Laser distance measurement device (ultrasound not acceptable)
- f) Tape measures (metal tapes shall not be used over electrified railway tracks)
- g) Measurement wheel (for confirming span lengths and total length and width of bridge)
- h) Crack gauge
- i) A good quality digital camera (5Mpix minimum capability) with 10 x zoom function. Camera must be geo-tag enabled. All photographic inventory images must be geo-tagged. The camera must be stabilised to ensure that camera shake is eliminated.
- j) Safety Vests and red flags.

#### **44. Additional for Bridge Inspections**

- a) 6m ladder (under no circumstances is the ladder to be used adjacent to electrified railway track)
- b) Binoculars of good quality. Suggest 7 x 42mm or 8 x 42mm.
- c) A mirror mounted on a pole to inspect bearing from deck level where access to bearings is problematic.

### **C3.1.6 COMPUTER EQUIPMENT AND INTERNET CONNECTION NEEDED FOR DATA INPUT**

#### **1. Computer**

- A computer is required to run the software used of data input this computer must be capable of running Windows 8.1 or higher.

#### **2. Internet Connection**

- High speed Internet connection required for data submission. Please note that roughly 30Mb of bandwidth per a structure is required due to the photos.

### **C3.2 CALIBRATION WORKSHOP**

All the Certified Bridge Inspectors and Certified Culvert Inspectors of the appointed Consulting firms that will be doing the inspections will be required to attend a one (1) day calibration workshop prior to commencement of visual inspections on site. This will be held at the SANRAL Head Office in Pretoria or virtually via MS Teams within two weeks of appointment. The costs related to the calibration workshop will be deemed to be included in the rates tendered.

### **C3.3 SAFETY**

The consultant firm shall at all times ensure that the bridge and major culvert inspectors undertake the inspections in a safe and responsible manner to both their own safety and the safety of others including the road users. The latest regulations as regards the Occupational and Health Safety Act shall be adhered to at all times. Specific care must be taken as to where vehicles are parked as well as inspectors and their assistants crossing railway lines and roads, especially those that have heavy traffic. Inspectors are to so plan their work in heavily trafficked areas to undertake inspections at appropriate times of the day.

In certain cases, it may be necessary for security guards to accompany the inspection team to ensure personal security. The currently known high risk areas to SANRAL is indicate for effected inspection packages, and for now seems to be concentrated around metropolitan areas. With the extent and location of each inspection package provided, the relevant risk profile for each inspection package must be evaluated and the required security measures planned for and included in the pricing for that that inspection package.

### **C3.4 ESTABLISHMENT**

Inspectors will be required to establish and de-establish personnel and equipment on site. The cost of this is separated out from the actual bridge and culvert inspections since the number of structures to be inspected per package may vary.

The employer accepts no responsibility for any contingency, including accidents, which may occur during the inspection programme. The consultant/contractor in signing the tender indemnifies SANRAL in this regard. The contractor shall supply the vehicle used during inspections with a rotating amber warning light as well as adequate signs whilst the vehicle is parked in road shoulders or any other position, which may endanger other members of the travelling public. The Inspector carries out all work at his own risk and will be responsible for his own insurance cover including third party cover. He must ensure that the legislated health & safety regulations are adhered to at all times.

It is expected that inspectors verify that all structures (bridges and major culverts) along a particular route are identified and inspected.

### **C3.5 TRAVEL AND ACCOMMODATION**

Inspectors are responsible for their own on-site travel and accommodation arrangements. These costs shall be included in the price tendered under Item 1001 and Item 2006.

Some of the bridges to be inspected are border bridges for which the inspectors will need a valid passport.

### **C3.6 ESCALATION IN FEES**

For the inspection packages; No escalation in fees will be permitted during the contract period.

CPA Escalation will apply to the strategic and verification packages.

### **C3.7 INFORMATION TO BE PROVIDED BY THE EMPLOYER**

The Employer at the calibration workshop will issue the following information:

1. A Visual Assessment Manual. (Draft TMH19)
45. ITIS Desktop will be downloaded from the ITIS website. Further information will be given to the successful tenderers during the calibration workshop.
46. Training course on the SANRAL capturing software

### **C3.8 ACCESSIBILITY**

Where parts of a structure are inaccessible with a 6m ladder, the inspector shall specifically note this on the inspection forms. This provision however will not relieve the consultant to give a rating for these items by observing the relative elements through binoculars. Inspectors are to note that for certain bridges access may be obtained through the decks to the pier tops for bearing and deck soffit inspections.

Inspectors are to contact the relevant Regional SANRAL office who will give the contact details of the Routine Maintenance Contractor for any particular section of the national route. The Routine Maintenance Contractor will be asked to assist the inspector to open any doors or access manholes and provide any traffic accommodation if necessary (such as where an access manhole is in the road surface). No additional payment will be made for such co-ordination.

### **C3.9 PRIORITY ORDER OF BRIDGES AND ROADS AND BRIDGES UNDER CONSTRUCTION**

#### **C3.9.1 PRIORITY ORDER OF REGISTERING BRIDGES ON NATIONAL ROUTES**

All bridges get registered according to the priority order of the road. This applies particularly at Interchanges where two or more of SANRAL's routes meet. The bridges in the whole interchange always get registered under the higher order road. (The road with the lower number always being the higher order road). Thus, the N2 is a higher order road than the N3 and therefore these bridges (in this case the EB Cloete Interchange) will all be registered on the N2. The inspector thus having the route covering the N2 will inspect the bridges of the interchange. The bridges are all pre-populated on the data base. Obviously only the bridge existing in the field must be inspected. Where there is doubt both inspectors must approach SANRAL for clarity. All ramps always form part of an interchange and care must be taken to make sure all bridges and major culverts are inspected. Structures must be added if not on the database. Only bridges and major culverts are to be added.

#### **C3.9.2 BRIDGES & MAJOR CULVERTS UNDER CONSTRUCTION**

Certain new bridges and major culverts may be under construction at the time of carrying out the assessments. Visual assessments shall not be conducted on these bridges unless they are substantially complete (i.e., in the case of new bridges or major culverts they may not have yet been opened to traffic). Some bridges that are new that may have replaced existing bridges on the data base that have since been demolished. Thus, at some locations two bridges may be listed for inspection but only the one existing in the field must be inspected. The status of the demolished bridge must be changed in the data base to "demolished and no payment for inspection may be claimed.

### **C3.10 CONTROL**

Verification assessments may be carried out by independent inspectors appointed by SANRAL and or by qualified SANRAL personal as a measure of control within a two-year period. Where significant difference between the control assessments and those of the consulting firm occur, the consulting firm's inspector shall, at their own cost, reassess these bridges and the other bridges in a group within a time period considered reasonable by the SANRAL and to the satisfaction of the SANRAL

### **C3.11 PROJECT PROGRAMME**

The Consulting Firm shall programme its duties in such a manner so as to complete the various phases of the total project within the milestone dates specified below.

The periods of performance (time periods for the different phases of the project) are as follows:

<b>MILESTONE</b>	<b>DESCRIPTION</b>	<b>TIME PERIODS/ MILESTONES *</b>
1	Appointment of Consulting Firm (One day calibration workshop will be held within 14 days of award)	<b>March 2023</b>
2	Proceed with field inspections for Groups of structures in	<b>From date of calibration workshop mentioned</b>
3	Completion of input of inventory and inspection data and photographic images into the SANRAL data base for 60% of allocated Bridge structures	<b>60 calendar days from date of calibration workshop mentioned</b>
4	Completion of input of inventory and inspection data and photographic images into the SANRAL data base for 80% of allocated Bridge structures, and 20% of allocated Major Culvert Structures.	<b>90 calendar days from date of calibration workshop mentioned</b>
5	Completion of input of inventory and inspection data and photographic images into the SANRAL data base for 95% of allocated Bridge structures, and 60% of allocated Major Culvert Structures.	<b>120 calendar days from date of calibration workshop mentioned</b>
6	Completion of input of inventory and inspection data and photographic images into the SANRAL data base for 100% of allocated structures	<b>180 calendar days from date of calibration workshop mentioned</b>
7	Validation and quality control period. reinspection or correction of work required where issues are found	<b>180 calendar days from date of calibration workshop mentioned to 36 months from contract award</b>
8	Conclusion of duties of Verification Inspectors duties	<b>Ad hoc- to be determined. From Award of contract to 60 from contract award</b>

\* All periods/milestones are inclusive of all public holidays and any shutdown periods over December/January.

### **C3.12 EXTENSION OF TIME AND PENALTIES FOR LATE COMPLETION**

1. The penalties the Employer may impose for late completion of inspections of any package is as stipulated in the Contract Data:
47. Should the Consulting Firm need additional time to complete the project, due to circumstances beyond their control, then application, with full motivation, shall be made to SANRAL for such an extension of time and any such extension of time will be granted at the sole discretion of SANRAL.
48. No extension will be granted for any type of weather condition.



### C3.13 EXECUTION

The work must be carried out in accordance with the documents and instructions provided during the calibration training sessions.

#### C3.13.1 FIELD INVENTORY DATA CAPTURE

Inventory data shall be obtained during field inspections. Every effort should be made to fill in the inventory sheets as comprehensively as possible, based on the information readily available. For bridges where the inventory was previously captured into the BMS the data shall be checked, especially as regards the minimum requirements as given below. Where the drawings are either incomplete or not available the main identification fields and fields which will assist in an understanding of the bridge and its defects should be completed during field inspections.

The absolute minimum requirements are:

1. For all structures:
  - a) Structure number/ other structure number
  - b) Route section and Km distance of Structure
  - c) Region and province of structure
  - d) Classification of Structure
  - e) Start and end GPS coordinates
  - f) Structure status
  - g) Structure ownership
  - h) Structure orientation
  - i) N Route over or under
  - j) Primary Feature Crossed
  - k) Direction of river flow
  - l) Name of feature crossing over or crossed (for rivers take name of board and if none then from 1:50000 topographical map. If no name, then trace nearest name and name as a tributary i.e... Vaal River Tributary). Generally, these field are prepopulated from previous inspections.
  - m) Secondary feature crossed
  - n) Other authority
49. For Bridges:
  - a) Number of Spans
  - b) Number of Piers
  - c) Number of Abutments
  - d) Facility carried
  - e) Bridge type
  - f) Bridge description
  - g) Deck construction method
  - h) Parapet /handrails
  - i) Approach slabs
  - j) Abutment galleries
  - k) Arch bridges: Number of arches Springing thickness crown thickness
  - l) Cable bridges: number of cable groups number of pylons
  - m) For each Deck
    - i) Deck position
    - ii) Deck Type
    - iii) Deck material
    - iv) Min deck depth
    - v) Max deck depth
    - vi) Span length
    - vii) Deck soffit profile
  - n) For each bearing
    - viii) Bearing position
    - ix) Bearing type
    - x) Bearing fixity

- o) For each expansion joint
    - xi) Expansion joint position
    - xii) Expansion joint type
    - xiii) Expansion joint direction of movement
  - p) For each Pier
    - xiv) Pier position
    - xv) Pier type
    - xvi) Pier material
    - xvii) Pier foundation type
    - xviii) Pier founding material
    - xix) Pier height
  - q) For each Abutment
    - xx) Abutment position
    - xxi) Abutment type
    - xxii) Abutment foundation type
    - xxiii) Abutment founding material
    - xxiv) Abutment maximum height
  - r) Wing/Retaining Walls
    - xxv) Wing/Retaining Wall Position
    - xxvi) Wing/Retaining Wall Type
    - xxvii) Wing/Retaining Wall Material
    - xxviii) Wing/Retaining Wall Foundation Type
  - s) Embankment protection
    - xxix) Embankment position
    - xxx) Embankment Protection Type
    - xxxi) Embankment Protection Material
  - t) Overall Structure length
  - u) Overall Structure width
  - v) Minimum width of roadway between kerbs
  - w) Angle of skew
  - x) Width of approach road
  - y) Scour protection
  - z) Risk of scour
  - aa) Access factors: Piers
  - bb) Access factors: Barings
  - cc) Access factors: Box girder
  - dd) Access factors: deck soffit
  - ee) Access factors: Abutment galleries
  - ff) Effective deck area
  - gg) Minimum vertical clearance
  - hh) Position of Minimum vertical clearance
  - ii) Class of road
  - jj) Number of carriageways
  - kk) Surfacing on deck
  - ll) Surfacing on approaches
  - mm) Minimum class of detour
50. For Cellular Bridges and Major Culverts:
- a) Number of cells
  - b) Cell type
  - c) Culvert Description
  - d) Parapet/ Handrail type
  - e) Overall major culvert length in direction of road (normally regarded as width of major culvert but in BMS is the length)
  - f) Overall width of major culvert measured along the barrel from head wall to head wall (normally regarded as the length of a major culvert but in the BMS it is the width)
  - g) Average cell width
  - h) Maximum cell size
  - i) Maximum cell width

- j) Maximum Fill height
- k) Minimum depth of fill over
- l) Minimum width of roadway
- m) Width of approach roadway
- n) Min vertical clearance
- o) For Each Cell:
  - xxxii) Cell position
  - xxxiii) Cell material: Walls
  - xxxiv) Cell material: Top slab
  - xxxv) Cell internal Width
  - xxxvi) Cell internal Height
- p) For Each Apron slab:
  - xxxvii) Apron slab position
  - xxxviii) Apron slab material
- q) For each invert slab
  - xxxix) Invert slab position
  - xl) Invert slab type
  - xli) Invert slab Material
- r) For each Embankment
  - xliv) Embankment position
  - xliv) Embankment Protection material
- s) Risk of scour
- t) Scour protection
- u) Access to structure

### C3.13.2 FIELD INSPECTION DATA CAPTURE

Data shall be captured in the field as per calibration workshops held for Certified Bridge and Culvert Inspectors. Of particular note is that all defects shall have at least one identifying digital photograph. All vertical road clearances shall be measured at the tie points. For a dual highway, the clearance for each carriageway and ramps where applicable must be measured.

### C3.13.3 INVENTORY PHOTOS REQUIRED FOR ALL BRIDGES AND MAJOR CULVERTS

Due to the requirement that all photos be geo-tagged (GPS co-ordinates form part of file properties all inventory photos need to be retaken and captured by the inspectors. This will thus also show any alterations to the bridges as the old photos are retained on SANRAL's archive systems.

Consultants shall note that the data input program of SANRAL does not require renaming of photo file names. However, the input of photo descriptions is provided for in the capture program and it is expected that adequate descriptions of all photos, including defect photos are provided. The photos shall be taken at a minimum resolution of 5Mpix and shall be stored in JPEG format (photo files must be geo-tagged). Care must be taken not to overexpose or underexpose photo as quality is important. For this reason photos taken in the dark are not acceptable. Should unclear or fuzzy photographs be encountered the contractor will at his own expense have to retake the photos even once the project is completed.

#### 1. Inventory Photos for Bridges

The following inventory photos shall be taken for all bridges regardless of whether bridges formed part of previous inspections:

- View 1: Bridge in Elevation (Must show total length of bridge, full pier heights and abutments. If necessary take several photos and combine electronically. For multi-level interchanges more than one bridge may be in photo. Please identify bridge and also describe other bridges in the photo.)
- View 2: Bridge in Elevation from opposite side. (A & B bridges might have to take other bridge elevation or else skew elevation from gap between)
- View 3: Bridge from upper approach (preferably looking along centre line of road or as close as possible to centre line)

- View 4: Bridge from upper approach (opposite end).
- View 5: View taken from the top of the bridge of feature crossed (road, rail, or upstream river view)
- View 6: View taken from the top of the bridge of feature crossed (road, rail, or downstream river view)
- View 7: Deck edge to show profile of deck cantilever soffit (not top of parapet – must see outside edge of deck)
- View 8: Opposite deck edge to show profile of deck cantilever soffit (not top of parapet – must see outside edge of deck)
- View 9: Underside of deck (take photo of each type if they differ)
- View 10: Typical pier (take photo of each type)
- View 11: Typical Abutment (take photo of each type if different)
- View 12: Bridge number as seen from national route on which bridge is defined (This will generally always be from the higher order route). If there is no number, then take photo of parapet or pier where it should have been.
- View 13: Other bridge number adjacent to other road or rail.
- View 14: Typical parapet elevation
- View 15: Typical roadway joint
- View 16: Any other salient feature
- View 17: Photo of inspector at bridge/major culvert number position.

## **2. Inventory Photos for Major Culverts**

The following inventory photos shall be taken for all major culverts:

- View 1: Culvert Inlet in Elevation (Must show total number of barrels)
- View 2: Culvert Outlet in Elevation (Must show total number of barrels & approach slab if possible)
- View 3: Culvert from upper approach (in direction of increasing chainage)
- View 4: Culvert from opposite end of approach (in direction of decreasing chainage).
- View 5: View taken from the top of fill of feature crossed (road, rail, or upstream river view)
- View 6: View taken from the top of fill of feature crossed (road, rail, or downstream river view)
- View 7: Inside of typical barrel (use flash if necessary)
- View 8: Culvert Number
- View 9: Any other salient feature
- View 10: Photo of inspector

### **C3.13.4 STRUCTURE DEFINITION SKETCH**

Structure definition sketch must be drawn in landscape orientation. The sketch is drawn in plan view and north is indicated clearly by means of an arrow. The sketch is a schematic representation of the structure and is not necessarily to scale

And should be A4 in size however the lines and text should still be legible when reduced to a block of 74mm in width and 52mm in height

Abutments will be numbered starting from 1 and be prefixed with the capital letter U. the text should be placed adjacent to the abutment it labels

Piers will be numbered consecutively starting from 1 and prefixed with the capital letter P. the text identifying the pier group should be next to the outside edge of the bridge deck. The text should be enclosed by a circle. A line drawn across the location of the pier group connecting to the circle.

Spans will be numbered consecutively starting from 1 and prefixed with the capital letter S. the text identifying the span should be drawn between the lines defining the edge of the bridge deck. The text should be enclosed by a square.

An elevation view may be included if necessary to further define the numbering of the structural elements

Additional future information may be also included to improve the description of orientation of the structure. This could include an arrow indicating the direction of river flow or an arrow pointing along the road towards the direction of the next major town.

As far as possible the convention for numbering is as follows.

- Where the national road passes over the structure numbering is in the order of increasing km distance.
- Where the national road passes under a structure numbering is from left to right when facing in the direction of increasing km distance.

### **C3.13.5 DATA CAPTURING ON COMPUTER & VERIFICATION OF DATA**

Stand-alone software of the inventory and inspection input data and internet uploading capture programs will be made available to the inspector for installation on a personal computer. The Inspector will be responsible for entering the data from the inventory and inspection sheets into the computer and thereafter transferring this information by internet on-line onto the SANRAL database. This procedure may be done at any time and should be done as soon as possible after an inspection. This will eliminate the problem of lost data if computer failures occur, or equipment is stolen as what is saved on the SANRAL data base is backed up. The inspector is also to verify that the electronic data corresponds with the data captured in the field. To this end he must use the data capture program to print out both inventory and inspection sheets and keep these together with the field data sheets for a period of 7 years in case there are queries as to the data on the SANRAL system. It is compulsory to submit scanned copies of the inventory and inspection forms after the completion of all inspections.

### **C3.13.6 CASH FLOW**

Consultants will at the beginning of the project submit to SANRAL the envisaged cash flow for fees. This cash flow shall be updated monthly and submitted with the monthly reports as well as any fee claims. No fee claim will be processed without the cash flow.

## **C3.14 PAYMENT AND MONTHLY REPORTING**

The work is divided into a number of different packages. Details of each package is given in part C4: Site Information. Payment will be made monthly.

When submitting interim certificates for payment the Service Provider shall use the Employer's standard forms and formats. No payment can be made before the Service Provider is registered as a vendor on the Employer's system.

The Service Provider shall submit payment certificates for all work rendered in the Employer's financial year within that specific year.

The Service Provider shall submit and update on a monthly basis a cash flow forecast for the remuneration of the full service to be rendered.

The Service Provider shall complete monthly reports regarding training, empowerment, capacity building, small contractor development, labour and staff returns and any such aspects on the Employer's Integrated Transportation Information System (ITIS).

The Employer has developed a comprehensive information management system to address all facets of its strategic and tactical planning, design, construction, and maintenance of the entire road network. This provides support for the management tasks of the Employer and to make technical decisions more quickly and efficiently.

ITIS is an integrated approach to the sharing and inter-relating of technical performance information for the Employer and relies on the Service Provider following procedures to populate the system with data. ITIS currently consist of the following platforms applicable to this project:

- ITIS Web – Web enabled portal providing online access to various functions, workflows, and reports.
- ITIS Desktop – Offline data capture tool enabling the capture of information offline, validation and then synchronisation of data with ITIS database.

The Employer then has several ITIS modules running on any of the above ITIS platforms which affect the Service Provider, who will need to use some of these modules to provide required information. The current module applicable to this project are the Structures module and the Project Information Module

The Structures module will be used for capturing and submitting the Structures inspection information

Project Information Module is used for capturing employment and training data on a monthly basis. Allowance has been made for this requirement in the Pricing Schedule under Payment item 1001 and item 2004. Failure to comply may result in payments being withheld.

### C3.14.1 PAYMENT MEASUREMENT ITEMS AS LISTED IN INSPECTION PACKAGES

#### Establishment

Item	Description	Unit
1001	Establishment and de-establishment of personnel and equipment on site	Sum

The unit of measurement shall be a Lump Sum. The rate tendered must include for establishment and shall include for establishing inspection personnel and needed equipment (including the purchase or hire of any equipment such as the geo-tagged camera. If purchased this equipment shall remain the property of the contractor when the work is complete). The rate shall also cover travelling costs and travelling time to the package of bridges and major culverts to be inspected. The rate shall also include all costs and profits related to verification of the exact number of bridges and major culverts along routes forming part of the package of structures to be inspected. The rate shall also include the attendance of the calibration workshop. The rate tendered shall remain fixed regardless of the actual number of bridges and major culverts inspected.

The rate tendered must include full compensation for registering on the Employer's project information module, compiling, and capturing, monthly for the full duration of the Contract, the required information regarding training, empowerment, capacity building, targeted enterprise development, labour and staff returns. It shall further include for all personnel and other costs, disbursements, overheads, and profit.

The rate tendered must also include for the cost of the General assistants attending the Bridge inspection course, if it has not yet been attended.

The amount tendered will be paid in the following manner: 25% on submission of 25% of the structure inspections, 50% on submission of 50% of the structure inspections, 75% on submission of 75% of the structure inspections, and the balance on completion of the inspections

#### INSPECTIONS

Item	Description	Unit
1002	Equivalent Bridge Units	No

The unit of measurement shall be the number (No) of equivalent bridge units inspected. The rate shall include for undertaking the inspection, taking of photographs for both inventory and defects. The rate shall also include for the relevant data capture into the SANRAL data base by internet of a particular bridge. All bridges less than 80m in length shall be measured as one unit. For bridges where the length or width of a bridge exceeds 80 m the number of bridge units shall be calculated by the formula: Equivalent Bridge Units (No) =  $0,7 \times L/80 + 0,3$  where L is the length or width of a bridge with dimension greater than 80m. Payment may be claimed once a bridge data has been successfully uploaded onto the SANRAL data base and locked against further changes (committed). The rate shall include for producing the structure definition sketch, if required. The rate tendered shall remain fixed regardless of how much the actual quantities may differ from what is stated in the schedule. Payment will only be for actual bridges inspected.

Item	Description	Unit
1003	Major Culverts	No

The unit of measurement shall be the number of major culverts inspected. The rate shall include for the field inspection, taking of photographs for both inventory and defects of a major culvert regardless of its length or the number of barrels. The rate shall also include for the relevant data capture into the SANRAL data base by internet of a particular culvert. The rate shall include for producing the structure definition sketch. Payment may be claimed once a major culvert data has been successfully uploaded onto the SANRAL data base and locked against further changes (committed). The rate shall include for producing the structure definition sketch, if required. The rate tendered shall remain fixed regardless of how much the actual quantities may differ from what is stated in the schedule. Payment will only be for actual major culverts inspected. Culverts that are not major culverts shall not be inspected and will not be paid for.

Item	Description	Unit
1004	Security	Sum

The unit of measurement shall be a Lump Sum. The rate tendered must include for all costs related to Security required to complete Structure Inspections. It is envisioned that security is not required in many cases, however there are areas where structures that require inspection are situated in high crime areas and presence of security personnel or measures are required in order to complete the inspections safely. It is the prerogative of the tenderer to decide what measures are required and necessary. It is recommended that the location of the inspection package be considered when pricing this item.

The rate tendered must include full compensation for accompaniment to structure inspections by security guards, including any travel, transport, meal, or accommodation costs for said personnel, or any other security measure required to complete inspections safely.

SANRAL will not allow for non-completion, or extension of time of inspections due to security related issues. The amount tendered will be paid in the following manner: 25% on submission of 25% of the structure inspections, 50% on submission of 50% of the structure inspections, 75% on submission of 75% of the structure inspections, and the balance on completion of the inspections

### C3.14.2 PAYMENT MEASUREMENT ITEMS AS LISTED VERIFICATION INSPECTION PACKAGES

Item	Description	Unit
2001	Senior Certified Bridge Inspector Verification Inspections as instructed	Hours

The unit of measurement shall be hours or part thereof for actual on-site work undertaken by the Senior Certified Bridge Inspector. The rate shall include all costs (including all profit), related to the inspection. Travelling time shall be measured from the SANRAL regional office or the office of the consulting firm whichever is the lesser. Paper, Photostats, report covers, plan prints for reports and other in-house disbursements shall not be paid for and shall be deemed to be included in the hourly rates tendered. The rate tendered shall remain fixed regardless of how much the actual hours may differ from what is stated in the schedule.

Item	Description	Unit
2002	General Assistant	Hours

The unit of measurement shall be hours or part there for actual on-site time by the General Assistant. The rate shall include all costs (including all profit), related to the inspection. Travelling time shall be measured from the SANRAL regional office or the office of the consulting firm whichever is the lesser. The rate tendered shall remain fixed regardless of how much the actual hours may differ from what is stated in the schedule.

Item	Description	Unit
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2003	Reports & Data Input (at office) by a Senior Certified Bridge Inspector	Hours
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The unit of measurement shall be hours or part there of actual office work (excluding admin) of the Senior Certified Bridge Inspector. The rate shall include all costs (including all profit). The rate tendered shall remain fixed regardless of how much the actual hours may differ from what is stated in the schedule. Office disbursements as described in Item 2001 above shall be included in rates tendered.

Item	Description	Unit
2004	Technician (at Office) (< 5 years post qualification experience)	Hours

The unit of measurement shall be hours or part there of actual office work (excluding admin) of the Technician. The cost of the relevant data capture into software and producing any required reports on the condition of the bridge shall be paid for on a time basis. The rate shall include all costs (including all profit). The rate tendered shall remain fixed regardless of how much the actual hours may differ from what is stated in the schedule. The rate shall include for producing the structure definition sketch. The rate tendered must include full compensation for registering on the Employer's project information module, compiling, and capturing, monthly for the full duration of the Contract, the required information regarding training, empowerment, capacity building, targeted enterprise development, labour and staff returns. It shall further include for all personnel and other costs, disbursements, overheads, and profit.

The rate tendered shall remain fixed regardless of how much the actual hours may differ from what is stated in the schedule.

Item	Description	Unit
2005	Technician (at Office) (> 5 years post qualification experience)	Hours

The unit of measurement shall be hours or part there of actual office work (excluding admin) of the Technician. The cost of the relevant data capture into software and producing any required reports on the condition of the bridge shall be paid for on a time basis. The rate shall include all costs (including all profit).

Item	Description	Unit
2006	Disbursements & Travel	Provisional Sum

Actual disbursements will be paid for accommodation, meal & refreshment expenses, and car hire (maximum 1600cc capacity for a car or 2000cc capacity for a light delivery van) will be refunded on an actual cost basis. Should the inspector or assistant prefer to stay privately then an allowance of R 286,00 per day is claimable for accommodation and meals. A hotel of three-star grading will be allowed for the inspector and assistant. A ten percent (10%) mark-up will be allowed on disbursements. For travel by company vehicles or private vehicles the standard km rates payable by SANRAL (see table below) shall apply subject to a maximum capacity of 1800cc in the case of Sedans, Station Wagons & double cab (4x2) and 2000cc in the case of light delivery vehicles 4 x 4 rates will not be allowed. Rates shall however only be adjusted on the 12 months anniversary of the start of the Contract regardless if the standard rate changes in the interim. Photostats, report covers and other office disbursements shall not be paid for and shall be deemed to be included in the hourly rates tendered. Payment of airfares from outside the applicable region will be only considered if approved in writing by SANRAL.

#### Schedule of Travel Tariffs (cents per kilometre)

ENGINE VOL (cc)	A	B	C	D
Up to 1400	279 + 7.24 x PP	204 + 9.8 x PP	-	-
1401-1600	314 + 7.88 x PP	230 + 9.8 x PP	-	-



<b>1601 – 1800</b>	363 + 7.88 x PP	230 + 9.8 x PP	-	363 + 7.88 x PP
<b>1801 – 2000</b>	421 + 8.77 x PP	311 + 9.8 x PP	311 + 9.8 x PP	372 + 8.77 x PP
<b>2001 – 2501</b>	469 + 10.56 x PP	315 + 13.1 x PP	413 + 13.1 x PP	469 + 10.56 x PP
<b>Over 2501</b>	482 + 10.98 x PP	415 + 13.8 x PP	456 + 13.8 x PP	482 + 10.98 x PP

**NOTE:**

- The formulas in this table are fixed for 1 (one) year only (April-March of each year) regardless of the Stage of the Project. The Employer will publish revised formulas on a yearly basis.
- “PP” is the lowest octane rating petrol price in Rand, for the month, in the city of the respective Regional Office. The “PP” rate can be downloaded from the AA website [www.aa.co.za](http://www.aa.co.za) on a monthly basis.

**Vehicle Classes**

- A Passenger motor cars and station wagons and 4x2 Double Cabs
- B Two-wheel drive light delivery vehicle, panel vans and other similar goods vehicles with a carrying capacity up to one metric ton
- C Four-wheel drive light delivery vehicle (single and double cab)
- D Minibuses (up to 15-seater)

Item	Description	Unit
2007	Security for Structure inspections	Provisional Sum

Actual disbursements will be paid for security accompaniment while performing Structure inspections. Not all Structures are in locations that require security while inspections are performed. Before performing structure inspections, the Inspector must assess the risk and if whether Security is needed. If it is deemed that security is required for a structure inspection this must be motivated in writing to SANRAL before the inspection is undertaken. Security accompaniment will generally consist of two security guards, however this may be different depending on the specific circumstances. A ten percent (10%) mark-up will be allowed on disbursements.

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## **PART C4    SITE INFORMATION**

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**PART C4: SITE INFORMATION**

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**C4.1 PACKAGES**

- Notes on package information tables: Inspection is based on route and section. Km Distances, GPS coordinates and number of structures are given for indication purposes only. Please seek clarification from SANRAL should any discrepancy be found. Routes with potential high risk are marked, however the this is only an indication the location of the route and there extent that they are in the proximity of potential risk areas, and the level of the risk should be taken into account when evaluating the security needed for a package.

Package	Route	Section	Start km	End km	Section km	Package Total km	Region	Funding	GPS Start Latitude	GPS Start Longitude	GPS End Latitude	GPS End Longitude	Number of Major Culverts	Number of Bridges (EBU)	Total Number of Structures	Package Total	Potential High Risk	Comments
ER-P01	N001	13S	0	55.59	55.59	186.3	East	Non Toll	-30.5853896	25.4179362	-30.2044547	25.7228872	31	15	46	102		
	N001	14S	0	90.12	90.12			Non Toll	-30.2044547	25.7228872	-29.4689876	26.1036268	24	16	40			
	N001	15S	0	28.5	28.5			Non Toll	-29.46899	26.1036268	-29.2227198	26.1848844	12	4	16			
	N001	15N	16.27	28.4	12.13			Non Toll	-29.32999	26.1559004	-29.2227198	26.1848844	0	0	0			
ER-P02	N001	15N	28.4	69.752	41.352	240.3	East	Toll	-29.2237027	26.1844793	-28.962163	26.3586029	14	18	32	88		
	N001	15S	28.5	68.891	40.391			Toll	-29.2227198	26.1848844	-28.962163	26.3586029	0	18	18			
	R030	01N	0	34.249	34.249			Toll	-28.9776636	26.2887638	-28.708688	26.440212	2	5	7			
	R030	02N	0	45.588	45.588			Toll	-28.708688	26.440212	-28.3932537	26.7144357	2	6	8			
	R030	03N	0	21.86	21.86			Toll	-28.3932537	26.7144357	-28.2060047	26.7735302	1	0	1			
	R730	01N	0	18.13	18.13			Toll	-28.2060047	26.7735302	-28.0702513	26.8268525	3	4	7			
	R730	02N	0	10.569	10.569			Toll	-28.0700052	26.8269919	-27.9800752	26.8042897	1	3	4			
	R730	02S	0	10.206	10.206			Toll	-28.0700052	26.8269919	-27.9800752	26.8042897	1	1	2			
	R730	03N	0	12.898	12.898			Toll	-27.9800752	26.8042897	-27.8696806	26.7991694	5	4	9		Y	
	R730	03S	3.26	8.325	5.065			Toll	-27.9513013	26.7981823	-27.9092804	26.7952534	0	0	0			

## SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LIMITED

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CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS

Package	Route	Section	Start km	End km	Section km	Package Total km	Region	Funding	GPS Start Latitude	GPS Start Longitude	GPS End Latitude	GPS End Longitude	Number of Major Culverts	Number of Bridges (EBU)	Total Number of Structures	Package Total	Potential High Risk	Comments
ER-P03	N001	16N	0	35.858	35.858	180.9	East	Toll	-28.962163	26.3586029	28.8082133	26.6780648	1	3	4	84		
	N001	16S	0	84.965	84.965			Toll	-28.962163	26.3586029	28.4858125	27.0021239	36	19	55			
	N001	16NX	85.3	133.53	48.23			Toll	28.4858125	27.0021239	28.0884839	27.1411374	21	3	24			
	N001	16NA	77.63	89.484	11.854			Toll	-28.547995	26.9796346	28.4586488	27.0328946	0	1	1			
ER-P04	N001	17NX	0	44.779	44.779	362.8	East	Toll	28.0884839	27.1411374	27.6986489	27.2369821	11	13	24	120		
	N001	17SX	0	44.777	44.777			Toll	-28.092516	27.1371604	27.6986519	27.2371853	0	0	0			
	N001	17N	67.2	101.62	34.421			Toll	27.6986489	27.2369821	27.4231586	27.3765697	7	23	30			
	N001	17S	67.2	78.11	10.91			Toll	27.6986489	27.2369821	27.6076309	27.2610845	0	3	3			
	N001	18N	0	78.07	78.07			Toll	27.4231586	27.3765697	26.7746195	27.6662161	17	24	41			
	N001	18S	27	78.051	51.055			Toll	27.2093607	27.4989052	26.7746195	27.6662161	0	1	1			
	R034	06W	0	48.008	48.008			Toll	27.6929491	27.2381784	27.8695412	26.7993797	0	0	0			
	R034	06E	0	50.797	50.797			Toll	27.6929491	27.2381784	27.8695412	26.7993797	18	3	21			
ER-P05	N002	21N	0	69.351	69.351	220.7	East	Non Toll	30.6245375	29.4727713	30.7829052	30.1785355	0	0	0	39		
	N002	22N	0	29.4	29.4			Non Toll	30.7829052	30.1785355	30.7525582	30.4318745	16	13	29		Y	
	N002	22SX	18.27	29.851	11.581			Non Toll	30.7266527	30.3375301	30.7533347	30.4359165	0	0	0			
	N002	22NX	0	29.852	29.852			Non Toll	30.7837491	30.1785313	30.7531677	30.4359475	5	5	10			
	R061	11E	0	80.536	80.536			Non Toll	31.0756292	30.1915523	30.7542144	30.4324254	0	0	0			

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CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS

Package	Route	Section	Start km	End km	Section km	Package Total km	Region	Funding	GPS Start Latitude	GPS Start Longitude	GPS End Latitude	GPS End Longitude	Number of Major Culverts	Number of Bridges (EBU)	Total Number of Structures	Package Total	Potential High Risk	Comments
ER-P06	N002	23N	5.3	54.088	48.788	154.0	East	Non Toll	- 30.5628972	- 30.5749864	- 30.1917883	- 30.7833281	16	43	59	129		
	N002	23S	5.28	53.985	48.705			Non Toll	- 30.5628245	- 30.5750975	- 30.1917883	- 30.7833281	0	22	22			
	N002	24N	0	28.253	28.253			Non Toll	- 30.1917883	- 30.7833281	- 29.9850224	- 30.9341085	5	30	35			
	N002	24S	0	28.275	28.275			Non Toll	- 30.1917883	- 30.7833281	- 29.9850224	- 30.9341085	0	13	13			
ER-P07	N002	25N	0	30.751	30.751	100.7	East	Non Toll	- 29.9850224	- 30.9341085	- 29.7475152	- 31.0352787	15	47	62	158		
	N002	25S	0	30.735	30.735			Non Toll	- 29.9850224	- 30.9341085	- 29.7475152	- 31.0352787	0	34	34			
	N002	26N	0	11.6	11.6			Non Toll	- 29.7475152	- 31.0352787	- 29.6630554	- 31.10058	7	27	34			
	N002	26S	0	11.6	11.6			Non Toll	- 29.7475152	- 31.0352787	- 29.6630554	- 31.10058	1	9	10			
	N003	01N	8.454	16.1	7.646			Non Toll	- 29.8398293	- 30.9733867	- 29.8339372	- 30.8943289	0	10	10			
	N003	01S	8.665	17	8.335			Non Toll	- 29.8398293	- 30.9733867	- 29.8337604	- 30.8883637	0	8	8			
ER-P08	N002	22N	29.4	65.71	36.31	92.6	East	Toll	- 30.7525582	- 30.4318745	- 30.6032856	- 30.5467546	6	24	30	79	Y	
	N002	22S	43.74	52.189	8.454			Toll	- 30.7527876	- 30.4338175	- 30.6901012	- 30.4528585	0	0	0			
	N002	23N	0	5.3	5.3			Toll	- 30.6032856	- 30.5467546	- 30.5628972	- 30.5749864	2	4	6			
	N003	01N	16.1	32.743	16.643			Toll	- 29.8339372	- 30.8943289	- 29.8011258	- 30.7387954	1	32	33			
	N003	01S	17	32.943	15.943			Toll	- 29.8337604	- 30.8883637	- 29.8011258	- 30.7387954	0	4	4			
	N003	02N	0	4.91	4.91			Toll	- 29.8011258	- 30.7387954	- 29.7781358	- 30.7016014	2	3	5			
	N003	02S	0	5	5			Toll	- 29.8011258	- 30.7387954	- 29.7778192	- 30.7011186	0	1	1			

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ER-P09	N002	26N	11.6	24.264	12.664	123.2	East	Toll	29.6630554	31.10058	29.5644253	31.1606693	3	13	16	82		
	N002	26S	11.6	24.259	12.659			Toll	29.6630554	31.10058	29.5644253	31.1606693	1	7	8			
	N002	27N	0	48.952	48.952			Toll	29.5644253	31.1606693	-29.210604	31.4371031	23	30	53			
	N002	27S	0	48.942	48.942			Toll	29.5644253	31.1606693	-29.210604	31.4371031	0	5	5			
ER-P10	N002	28N	0	63.415	63.415	152.2	East	Toll	-29.210604	31.4371031	28.8385509	31.9033287	15	36	51	73		
	N002	28S	0	63.388	63.388			Toll	-29.210604	31.4371031	28.9483129	31.7436447	0	0	0			
	N002	29N	0	13	13			Toll	28.8385509	31.9033287	28.7090644	31.962009	15	4	19			
	N002	29S	0	12.417	12.417			Toll	28.8386998	31.903283	28.7324475	31.9432123	0	3	3			
ER-P11	N002	29N	13	53.644	40.644	283.9	East	Non Toll	28.7090644	31.962009	28.4551138	32.1456287	7	16	23	72		
	N002	30N	0	74.256	74.256			Non Toll	28.4551138	32.1456287	-27.851717	32.1680922	22	17	39			
	R022	01N	0	12.489	12.489			Non Toll	28.0113867	32.2404308	27.9763417	32.3161897	0	1	1			
	R022	02N	0	43.814	43.814			Non Toll	27.9763417	32.3161897	27.6631787	32.4196399	1	3	4			
	R022	03N	0	41.131	41.131			Non Toll	27.6631787	32.4196399	27.3636596	32.5261853	1	2	3			
	R022	04N	0	31.276	31.276			Non Toll	27.3636596	32.5261853	27.0831723	32.5545684	1	0	1			
	R022	05N	0	40.321	40.321			Non Toll	27.0831723	32.5545684	26.8649945	32.8293285	1	0	1			
ER-P12	N002	31N	0	62.82	62.82	142.6	East	Non Toll	-27.851717	32.1680922	27.3952892	31.8284126	27	7	34	71		
	N002	32N	0	70.159	70.159			Non Toll	27.3952892	31.8284126	27.2498541	31.268413	20	9	29			

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Package	Route	Section	Start km	End km	Section km	Package Total km	Region	Funding	GPS Start Latitude	GPS Start Longitude	GPS End Latitude	GPS End Longitude	Number of Major Culverts	Number of Bridges (EBU)	Total Number of Structures	Package Total	Potential High Risk	Comments
	R069	05N	0	9.632	9.632			Non Toll	- 27.3716941	31.8162059	- 27.3188244	31.8881829	5	3	8			
ER-P13	N003	02N	4.91	34.308	29.398	114.4	East	Non Toll	- 29.7781358	30.7016014	- 29.6724487	30.4659021	7	11	18	62		
	N003	02S	5	34.39	29.39			Non Toll	- 29.7778192	30.7011186	- 29.6724487	30.4659021	3	1	4			
	N003	03N	0	26.258	26.258			Non Toll	- 29.6724487	30.4659021	- 29.5407459	30.2958715	8	22	30			
	N003	03S	0	26.156	26.156			Non Toll	- 29.6724487	30.4659021	- 29.5407459	30.2958715	1	8	9			
	N003	04N	0	1.6	1.6			Non Toll	- 29.5407459	30.2958715	- 29.5384651	30.2797865	1	0	1		Y	
	N003	04S	0	1.6	1.6			Non Toll	- 29.5407459	30.2958715	- 29.5384651	30.2797865	0	0	0			
ER-P14	N005	01E	0	64.966	64.966	235.7	East	Non Toll	- -28.286878	29.1329354	- 28.3054564	28.7088138	13	4	17	91		
	N005	02E	0	69.972	69.972			Non Toll	- 28.3239943	27.6076746	- 28.2366323	28.2931221	22	8	30			
	N005	03E	0	47.473	47.473			Non Toll	- 28.2366824	28.2931271	- 28.3057509	28.7091732	12	9	21			
	N005	03W	0	2.566	2.566			Non Toll	- 28.2333034	28.3160358	- 28.2330358	28.3187481	0	1	1			
	N005	04W	40.16	45.318	5.158			Non Toll	- 28.3240333	27.6076496	- 28.4991712	26.997431	0	0	0			
	N005	04E	0	45.604	45.604			Non Toll	- 28.7091732	28.7091732	- 28.2874781	29.1335613	13	9	22			
ER-P15	N006	06N	0	71.693	71.693	196.3	East	Non Toll	- 30.6864897	26.7058587	- 30.2117491	26.530563	18	10	28	62		
	N006	07N	0	71.696	71.696			Non Toll	- 30.2117491	26.530563	- 29.6642937	26.1751703	21	3	24			
	N006	08N	0	50.415	50.415			Non Toll	- 29.6642937	26.1751703	- 29.2110541	26.2139979	4	5	9			
	N006	09E	0	2.486	2.486			Non Toll	- 29.2110541	26.2139979	- 29.2011601	26.1913333	1	0	1			



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Package	Route	Section	Start km	End km	Section km	Package Total km	Region	Funding	GPS Start Latitude	GPS Start Longitude	GPS End Latitude	GPS End Longitude	Number of Major Culverts	Number of Bridges (EBU)	Total Number of Structures	Package Total	Potential High Risk	Comments
ER-P16	N008	09E	0	70.196	70.196	296.3	East	Non Toll	- 28.8100121	- 24.8119966	- 29.1202035	- 25.4077045	0	2	2	93		
	N008	10E	0	75.512	75.512			Non Toll	- 29.1202035	- 25.4077045	- 29.1269939	- 26.1628831	24	3	27			
	N008	10W	67.66	75.41	7.752			Non Toll	- 29.1445088	- 26.0862256	- 29.1269939	- 26.1628831	0	0	0			
	N008	11E	7.45	59.839	52.389			Non Toll	- 29.1110132	- 26.3122607	- 29.2315941	- 26.8327648	21	14	35			
	N008	11W	7.44	11.319	3.879			Non Toll	- 29.1112391	- 26.3121284	- 29.1213724	- 26.3501919	0	2	2			
	N008	11W	13.39	14.957	1.571			Non Toll	- -29.124528	- 26.3710494	- 29.1270626	- 26.386978	0	0	0			
	N008	11W	31.53	37.566	6.034			Non Toll	- 29.1582938	- 26.5534423	- 29.1715075	- 26.613335	0	1	1			
	N008	11W	57.89	59.841	1.948			Non Toll	- 29.2264839	- 26.812463	- -29.231583	- 26.8316826	0	0	0			
	N008	12E	0	65.762	65.762			Non Toll	- 29.2315941	- 26.8327648	- 29.2132138	- 27.4531812	12	9	21			
	N008	13E	0	11.27	11.27			Non Toll	- 29.2132138	- 27.4531812	- 29.2978583	- 27.4505972	3	2	5			
ER-P17	N011	01E	0	12.228	12.228	168.4	East	Non Toll	- 28.5869453	- 29.6113556	- 28.5885233	- 29.7350269	6	3	9	93		
	N011	01N	13.55	16.142	2.594			Non Toll	- 28.6121432	- 29.7238153	- 28.5711782	- 29.7496611	3	0	3			
	N011	02N	0	47.867	47.867			Non Toll	- 28.5711782	- 29.7496611	- 28.2349386	- 29.9671346	13	15	28			
	N011	03N	0	57.164	57.164			Non Toll	- 28.2349386	- 29.9671346	- 27.7443345	- 29.968583	24	7	31			
	N011	04N	0	48.593	48.593			Non Toll	- 27.7443345	- 29.968583	- 27.3763357	- 29.8841417	10	12	22			
NR-P01	N001	19N	0	53.628	53.628	107.2	North	Toll	- 26.7746195	- 27.6662161	- -26.359104	- 27.9112358	28	29	57	66	Y	
	N001	19S	0	53.596	53.596			Toll	- 26.7746195	- 27.6662161	- -26.359104	- 27.9112358	0	9	9			

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Package	Route	Section	Start km	End km	Section km	Package Total km	Region	Funding	GPS Start Latitude	GPS Start Longitude	GPS End Latitude	GPS End Longitude	Number of Major Culverts	Number of Bridges (EBU)	Total Number of Structures	Package Total	Potential High Risk	Comments
NR-P02	N001	20N	0	57.228	57.228	114.9	North	Toll	-26.359104	27.9112358	-25.986876	28.1242301	21	84	105	136	Y	
	N001	20S	0	57.68	57.68			Toll	-26.359104	27.9112358	-25.986876	28.1242301	0	31	31			
NR-P03	N001	21N	0	33.4	33.4	92.2	North	Toll	-25.986876	28.1242301	25.7437295	28.2661297	18	46	64	91	Y	concession portion excluded
	N001	21S	0	33.4	33.4			Toll	-25.986876	28.1242301	25.7437295	28.2661297	8	14	22			
	N001	23N	42.2	54.914	12.714			Toll	-24.92152	28.3717754	25.2939256	28.298014	4	1	5			
	N001	23S	42.2	54.893	12.693			Toll	-24.92152	28.3717754	25.2939256	28.298014	0	0	0			
NR-P04	N001	24N	0	25.003	25.003	228.1	North	Toll	25.2939256	28.298014	24.6531549	28.586448	34	6	40	109		
	N001	24S	0	25.011	25.011			Toll	25.2939256	28.298014	24.6531549	28.586448	0	0	0			
	N001	25N	0	89.035	89.035			Toll	24.6531549	28.586448	24.0831935	29.1868256	37	32	69			
	N001	25S	0	89.037	89.037			Toll	24.6531549	28.586448	24.0831935	29.1868256	0	0	0			
NR-P05	N001	26N	0	30.131	30.131	296.8	North	Toll	-24.180939	29.0138124	23.9496262	29.424324	7	11	18	107		
	N001	26S	0	30.105	30.105			Toll	24.0831935	29.1868256	23.9498992	29.4242264	0	0	0			
	N001	27NX	0	20.294	20.294			Toll	23.8202887	29.424324	23.8202687	29.4964562	4	16	20			
	N001	27SX	0	11.162	11.162			Toll	23.9498992	29.4242264	23.9005981	29.5097802	4	3	7			
	N001	28NX	0	98.528	98.528			Toll	23.8263389	29.4926813	23.0437677	29.9175861	17	14	31			
	N001	29NX	0	106.57	106.57			Toll	23.0437677	29.9175861	22.2332821	29.9836328	20	11	31			

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Package	Route	Section	Start km	End km	Section km	Package Total km	Region	Funding	GPS Start Latitude	GPS Start Longitude	GPS End Latitude	GPS End Longitude	Number of Major Culverts	Number of Bridges (EBU)	Total Number of Structures	Package Total	Potential High Risk	Comments
NR-P06	N004	01E	8.4	25.53	17.13	75.9	North	Toll	25.7425997	28.2500487	25.7599405	28.3625728	0	11	11	38		
	N004	01W	8.4	25.534	17.134			Toll	25.7425997	28.2500487	25.7599405	28.3625728	0	4	4			
	N004	11W	10	19.51	9.51			Toll	25.7439321	28.1542885	25.7603077	28.0626106	0	0	0			
	N004	11E	10	19.517	9.517			Toll	25.7439321	28.1542885	25.7603077	28.0626106	2	8	10			
	N004	12W	0	11.305	11.305			Toll	25.7603077	28.0626106	25.7790976	27.9530611	1	9	10			
	N004	12E	0	11.279	11.279			Toll	25.7603077	28.0626106	25.7790976	27.9530611	1	2	3			
NR-P07	N003	12N	13.2	43.317	30.117	60.1	North	Toll	-26.376525	28.2445073	-26.048149	28.0987399	9	58	67	81	Y	
	N003	12S	13.2	43.217	30.017			Toll	-26.376525	28.2445073	-26.048149	28.0987399	0	14	14			
NR-P08	N012	18E	0	16.815	16.815	115.7	North	Toll	-26.262003	27.9725313	26.2426623	28.125031	10	31	41	117	Y	
	N012	18W	0	16.895	16.895			Toll	-26.262003	27.9725313	26.2426623	28.125031	1	14	15			
	N012	19E	0	41	41			Toll	26.1679446	28.136838	26.1560073	28.5232615	7	40	47		Y	
	N012	19W	0	40.98	40.98			Toll	26.1679446	28.136838	26.1560073	28.5232615	0	14	14			
NR-P09	N017	01E	54.14	60.893	6.753	126.0	North	Toll	26.2258804	28.054185	26.2432415	28.120693	2	7	9	102		
	N017	01W	54.14	60.931	6.791			Toll	26.2258804	28.054185	26.2432415	28.120693	0	1	1			
	N017	02E	0	79.015	79.015			Toll	26.2432415	28.120693	26.3972966	28.8606877	7	69	76		Y	
	N017	02W	0	33.448	33.448			Toll	26.2432415	28.120693	26.2830666	28.4408549	0	16	16			
NR-P10	N017	03E	0	65.46	65.46	240.2	North	Toll	26.2830666	28.4408549	26.4513603	29.4651181	39	23	62	92		

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	N017	04E	0	54.064	54.064			Toll	26.4513603	29.4651181	26.5214555	29.9853433	13	8	21			
	N017	05E	1.931	122.64	120.71			Toll	26.5150193	29.9836516	26.2125165	30.9874308	4	5	9			
NR-P11	R021	01N	0	25.935	25.935	89.9	North	Toll	26.1780536	28.2345174	25.9756445	28.2531748	4	36	40	72	Y	
	R021	01S	0	25.914	25.914			Toll	26.1780536	28.2345174	25.9756445	28.2531748	0	10	10			
	R021	02N	0	19.009	19.009			Toll	25.9756445	28.2531748	25.8103289	28.2314597	10	9	19			
	R021	02S	0	19.023	19.023			Toll	25.9756445	28.2531748	25.8103289	28.2314597	1	2	3			
NR-P12	N001	24NX	20.87	25.62	4.75	360.2	North	Non Toll	24.6820008	28.5526093	24.6522469	28.585984	1	1	2	67		
	N001	25NX	0	71.286	71.286			Non Toll	24.6522469	28.585984	-24.180939	29.0138124	7	8	15			
	N001	26NX	0	52.602	52.602			Non Toll	24.1808356	29.0138372	23.9483733	29.4036963	14	6	20			
	R521	01N	4.037	62.327	58.29			Non Toll	23.8984895	29.4490793	23.3567135	29.3156984	1	4	5			
	R521	02N	0	36.049	36.049			Non Toll	23.3567135	29.3156984	23.0468825	29.2761305	0	0	0			
	R521	03N	0	6.53	6.53			Non Toll	23.0468825	29.2761305	22.9922024	29.2575562	0	0	0			
	R523	01E	0	66.709	66.709			Non Toll	22.9922024	29.2575562	22.8873473	29.8739493	3	4	7			
	R567	01E	0	63.943	63.943			Non Toll	23.6953021	28.8816795	23.8536284	29.3774966	10	8	18			
NR-P13	N002	33N	0	63.322	63.322	290.0	North	Non Toll	27.2498541	31.268413	26.9715755	30.7918495	5	5	10	65		
	N002	34N	0	98.498	98.498			Non Toll	26.9715755	30.7918495	26.5359605	30.0031727	8	15	23			
	N002	34S	0	7.598	7.598			Non Toll	26.9715755	30.7918495	26.9092339	30.7308668	0	0	0			

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	R033	05N	16.13	48.218	32.088			Non Toll	- 27.3096844	30.898301	- 27.0404907	30.8129853	1	4	5			
	R033	06N	0	35.977	35.977			Non Toll	-26.914644	30.7567662	- 26.6215624	30.6643909	5	8	13			
	R033	07N	0	52.542	52.542			Non Toll	- 26.6215624	30.6643909	- 26.2214705	30.5422914	7	7	14			
NR-P14	N003	11N	0	38.214	38.214	102.8	North	Non Toll	- 26.5583156	28.3888691	-26.376525	28.2445073	10	18	28	63		
	N003	11S	0	38.228	38.228			Non Toll	- 26.5583156	28.3888691	-26.376525	28.2445073	0	6	6			
	N003	12N	0	13.2	13.2			Non Toll	-26.376525	28.2445073	-26.048149	28.0987399	1	17	18		Y	
	N003	12S	0	13.2	13.2			Non Toll	-26.376525	28.2445073	-26.048149	28.0987399	0	11	11			
NR-P15	R035	01N	0	76.525	76.525	381.1	North	Non Toll	- 27.0078277	29.8709524	- 26.4730239	29.4795859	22	7	29	106		
	R035	02N	0	74.637	74.637		0	Non Toll	- 26.4504334	29.4647533	- 25.8332132	29.4598234	22	4	26			
	N011	07N	0	29.792	29.792		0	Non Toll	- 26.7777908	29.9205607	- 26.5257855	29.9867147	0	2	2			
	N011	08N	0	51.101	51.101		0	Non Toll	- 26.5257855	29.9867147	- 26.1591769	29.7164768	9	5	14			
	N011	09N	0	41.968	41.968		0	Non Toll	- 26.1591769	29.7164768	- 25.8299438	29.5290011	3	7	10			
	N011	10N	3.483	81.029	77.546		0	Non Toll	- 25.7336755	29.4633533	- 25.1916738	29.4116618	14	7	21			
	N011	11N	0	29.514	29.514		0	Non Toll	- 25.1916738	29.4116618	-24.909701	29.1773815	3	1	4			
			0	0	0													
NR-P16	N011	05N	0	42.192	42.192	270.2	North	Non Toll	- 27.3763357	29.8841417	-27.006232	29.8705858	7	6	13	86		
0	N011	06N	0	27.668	27.668		0	Non Toll	-27.006232	29.8705858	- 26.7777908	29.9205607	8	4	12			
0	R023	01N	0	78.27	78.27		0	Non Toll	- 27.3676346	29.8857563	- 26.9561033	29.2361468	14	10	24			

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0	R023	02N	0	86.5	86.5		0	Non Toll	26.9490454	29.2356211	26.5593163	28.3898884	22	6	28			
0	S027	01N	0.01	35.584	35.574		0	Non Toll	26.9938264	28.5836764	26.6925962	28.3948918	7	2	9			
NR-P17	N011	12N	0	89.425	89.425	756.6	North	Non Toll	-24.909701	29.1773815	24.2757298	28.9775033	0	1	1	102		
	N011	13N	0	188.11	188.11			Non Toll	24.1808463	29.013638	23.0058717	27.9454858	2	6	8			
	R572	02N	0	47.952	47.952			Non Toll	23.3670561	27.6786919	23.0739857	27.9943342	6	3	9			
	R555	01E	0	21.09	21.09			Non Toll	25.8377194	29.2481597	25.7845399	29.4394763	1	4	5			
	R510	03N	0	128.38	128.38			Non Toll	24.5919366	27.3981872	23.6682939	27.7442136	3	13	16			
	R510	04N	0	36.077	36.077			Non Toll	23.6682939	27.7442136	23.3673874	27.6781929	7	0	7			
	R518	01E	0	70.732	70.732			Non Toll	23.6488416	27.7495684	23.5908346	28.389919	2	5	7			
	R518	02E	0	102.21	102.21			Non Toll	23.5908346	28.389919	-24.132844	28.9623668	32	8	40			
	R518	03E	0	47.281	47.281			Non Toll	24.1861946	29.0120949	24.3220348	29.3343033	0	6	6			
	R518	04E	0	25.382	25.382			Non Toll	24.3220348	29.3343033	24.2662813	29.5506288	0	3	3			
NR-P18	N012	11N	0	28.843	28.843	523.2	North	Non Toll	28.0681108	24.9208802	27.9078074	25.1441312	1	0	1	96		
	N012	12N	0	55.394	55.394			Non Toll	27.9078074	25.1441312	27.6522854	25.5967164	5	5	10			
	N012	14N	0	62.304	62.304			Non Toll	27.6488285	25.6165406	27.2198377	25.9730866	1	3	4			
	N012	14S	0	1.326	1.326			Non Toll	27.6525289	25.5963039	27.6519679	25.6099685	0	0	0			
	N012	15N	2.115	76.34	74.225			Non Toll	27.1981305	25.9880426	26.8722173	26.6091081	6	7	13			
	N012	16N	0	39.401	39.401			Non Toll	26.8491529	26.6967225	26.7297336	27.0641744	7	9	16			

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	N012	16S	0	39.412	39.412			Non Toll	- 26.8491529	26.6967225	- 26.7297336	27.0641744	3	0	3			
	N012	17N	4.38	57.463	53.083			Non Toll	- 26.6953182	27.1346521	- 26.4169051	27.5415244	15	2	17			
	N012	17S	4.36	9.988	5.628			Non Toll	- 26.6953182	27.1346521	-26.661789	27.1777284	1	0	1			
	R034	01E	0	60.903	60.903			Non Toll	- 26.9708727	24.7706416	- 27.1928342	25.32882	0	2	2			
	R034	02E	0	57.698	57.698			Non Toll	- 27.1928342	25.32882	- 27.6522403	25.5964803	3	2	5			
	R034	03E	0	6.379	6.379			Non Toll	- 27.6491136	25.6164682	- 27.6385023	25.6811845	1	7	8			
	R030	07N	0	14.493	14.493			Non Toll	- 27.0164838	26.6945857	- 26.9081484	26.6681605	3	5	8			
	R030	07S	1.5	14.505	13.005			Non Toll	- 27.0048702	26.6873437	- 26.9081484	26.6681605	0	1	1			
	N017	01E	40.3	45.84	5.54			Non Toll	-26.224302	27.9293228	- 26.2221509	27.9809017	2	5	7			
	N017	01W	40.39	45.91	5.52			Non Toll	-26.224302	27.9293228	- 26.2221509	27.9809017	0	0	0			
NR-P19	N012	19E	41	54.495	13.495	164.7	North	Non Toll	- 26.1560073	28.5232615	- 26.1012916	28.6425042	8	3	11	82	Y	
	N012	19W	40.98	54.479	13.502			Non Toll	- 26.1560073	28.5232615	- 26.1012916	28.6425042	0	2	2			
	N012	20E	0	68.878	68.878			Non Toll	- 26.1012916	28.6425042	- 25.8987113	29.2535382	34	25	59			
	N012	20W	0	68.835	68.835			Non Toll	- 26.1012916	28.6425042	- 25.8987113	29.2535382	0	10	10			
NR-P20	N014	08E	0	141.05	141.05	655.9	North	Non Toll	-27.463483	23.4339346	- 26.9587595	24.7321774	5	0	5	100		
	N014	09E	0	83.789	83.789			Non Toll	- 26.9587595	24.7321774	- 26.6905543	25.4570819	4	4	8			
	N014	10E	0	39.818	39.818			Non Toll	- 26.6905543	25.4570819	- 26.5308995	25.813687	0	1	1			
	N014	11E	0	62.377	62.377			Non Toll	- 26.5308995	25.813687	- 26.3265182	26.2912972	20	1	21			

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	N014	12E	0	58.477	58.477			Non Toll	- 26.3265182	26.2912972	- 26.3281013	26.8367673	13	4	17			
	N014	13E	0	67.959	67.959			Non Toll	- 26.3281013	26.8367673	- 26.1860448	27.4407538	0	2	2			
	R030	08N	0	68.634	68.634			Non Toll	- 26.8402196	26.6487092	- 26.3160631	26.8260676	14	6	20			
	R030	09N	0	76.477	76.477			Non Toll	- 26.3160631	26.8260676	- 25.8010676	27.2378403	9	3	12			
	R024	01E	0	44.963	44.963			Non Toll	- 25.6708664	27.2713143	- 25.9205602	27.4561614	10	4	14			
	R024	01W	0	12.336	12.336			Non Toll	- 25.6709461	27.2709949	- 25.7715871	27.2703037	0	0	0			
NR-P21	N018	02N	0	27.539	27.539	228.3	North	Non Toll	- 27.6333601	24.7613236	- 27.3912592	24.7099673	13	4	17	67		
	N018	03N	0	49.011	49.011			Non Toll	- 27.3912592	24.7099673	- 26.9624136	24.7316114	17	1	18			
	N018	04N	0	46.556	46.556			Non Toll	- 26.9433632	24.7350017	- 26.5583219	24.8719017	4	1	5			
	N018	05N	0	64.995	64.995			Non Toll	- 26.5583219	24.8719017	- 26.1033859	25.2929602	11	4	15			
	N018	06N	0	38.389	38.389			Non Toll	- 26.1033859	25.2929602	- 25.8917995	25.5850689	8	3	11			
	N018	07N	8.242	10.087	1.845			Non Toll	- 25.7922999	25.62991	- 25.6504499	25.5754934	1	0	1			
NR-P22	R510	01N	2.805	92.571	89.766	470.8	North	Non Toll	- 25.6471676	27.2555178	- 24.8730194	27.2966709	9	6	15	148		
	R510	02N	0	37.164	37.164			Non Toll	- 24.8730194	27.2966709	- 24.5919366	27.3981872	3	10	13			
	R511	02N	0	25.418	25.418			Non Toll	- -25.716441	27.9009941	- 25.6318223	27.7827838	4	7	11			
	R511	03N	0	133.06	133.06			Non Toll	- 25.6318223	27.7827838	- 24.6574093	27.3798462	26	14	40			
	R556	01E	0	29.659	29.659			Non Toll	- 25.3783364	27.0605721	- 25.4531178	27.3134937	17	3	20			
	R565	01N	0.24	34.826	34.586			Non Toll	- 25.6456455	27.161733	- 25.3783785	27.0607505	3	5	8			



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	R565	01S	25	34.924	9.924			Non Toll	-25.564548	27.1426572	25.5230782	27.1081103	0	0	0			
	R565	01S	25	34.924	9.924			Non Toll	25.4615247	27.087468	25.3783785	27.0607505	0	0	0			
	N004	12W	24.51	39.2	14.69			Non Toll	25.7769335	27.8293067	25.7454336	27.7997595	7	10	17			Includes bridge at Lat - 25.781609417412994 Long 27.943287160396643 and Lat - 25.775083319678973 Long 27.831626799106665
	N004	12E	28.66	33.3	4.687			Non Toll	25.7144015	27.7800949	25.6947143	27.7366189	3	3	6			
	R104	01E	15.59	58.013	42.423			Non Toll	25.7377095	28.3295266	-25.805636	28.7353582	3	5	8		Y	
	R104	02E	0	21.202	21.202			Non Toll	-25.804984	28.7465591	25.8602614	28.9449031	1	3	4			
	R512	02N	15.86	23.49	7.63			Non Toll	-25.861753	27.8828369	25.7970078	27.8920959	1	2	3			
	R512	03N	0	10.711	10.711			Non Toll	25.7206627	27.7803658	25.6296821	27.7808593	0	3	3			
NR-P23	R033	08N	62.95	100.62	37.666	323.1	North	Non Toll	26.2306488	30.4429874	26.0740068	30.1252261	2	0	2	78		
	R033	09N	0	49.146	49.146			Non Toll	26.0740068	30.1252261	-25.706278	30.0472972	3	4	7		Y	
	R038	02E	1.3	43.561	42.261			Non Toll	26.4302327	29.4925252	26.1591157	29.7162321	5	5	10			
	R038	03E	0	42.908	42.908			Non Toll	26.1591157	29.7162321	26.0680486	30.1133868	4	8	12			
	R038	04E	0	52.711	52.711			Non Toll	26.0740465	30.1252811	25.9352204	30.5882223	9	9	18			

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	R038	05E	0	66.049	66.049			Non Toll	- 25.9352204	30.5882223	- 25.7365874	30.9913905	12	4	16			
	R040	02N	0	32.333	32.333			Non Toll	- 25.7365874	30.9913905	- 25.4754271	30.9692676	7	6	13			
NR-P24	R049	01N	3.815	61.639	57.824	557.6	North	Non Toll	- 25.8642893	25.6469678	- 25.5605007	26.0625063	5	6	11	84		
	R049	02N	0	101.41	101.41			Non Toll	- 25.5451104	26.0789858	- 24.7077116	26.0956799	9	9	18			
	R049	02S	0	0.907	0.907			Non Toll	- 25.5451104	26.0789858	- 25.5369982	26.0772263	0	0	0			
	R052	01N	0	36.609	36.609			Non Toll	- 26.3801439	25.9025422	- 26.153425	26.1607961	8	2	10			
	R052	03N	0	38.706	38.706			Non Toll	- 25.8679941	26.8967727	- 25.6367044	27.1293632	4	3	7			
	R503	01N	0	74.562	74.562			Non Toll	- 26.8720423	26.6088001	- 26.3417007	26.3050774	9	1	10			
	R503	02N	0	21.896	21.896			Non Toll	- 26.3264506	26.2912694	- 26.1698388	26.1634997	2	1	3			
	R504	03E	0	28.892	28.892			Non Toll	- 27.1982709	25.9880064	- 27.2347699	26.2548486	2	1	3			
	R504	04E	0	24.118	24.118			Non Toll	- 27.2347699	26.2548486	- 27.3314576	26.4578811	1	4	5			
	R505	04N	0	93.506	93.506			Non Toll	- 27.1913285	25.9666721	- 26.4122901	26.1086843	8	6	14			
	R505	05N	0	27.043	27.043			Non Toll	- 26.4108776	26.1087433	- 26.1744293	26.1641122	1	1	2			
	R505	06N	0	52.144	52.144			Non Toll	- 26.1534947	26.1607782	- 25.7539057	25.9664039	0	1	1			
NR-P25	R053	01N	0.34	45.112	44.772	321.0	North	Non Toll	- 26.9017489	27.4476149	- 26.726271	27.1173974	9	7	16	66		
	R053	02N	0	47.786	47.786			Non Toll	- 26.6772957	27.0738464	- 26.3161315	26.8262892	6	0	6			
	R054	01E	0	41.665	41.665			Non Toll	- 26.6650336	27.1715646	- 26.6264459	27.5746148	4	5	9			
	R500	01N	0	65.099	65.099			Non Toll	- 26.8844011	27.44309	- 26.37453	27.4066603	15	5	20			

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	R500	01S	45.93	65.265	19.335			Non Toll	- 26.5039414	27.505446	-26.37453	27.4066603	0	2	2			
	R501	02N	0	21.238	21.238			Non Toll	- 26.9388324	27.0571309	- 26.7551087	27.1052712	2	4	6			
	R501	03N	3.98	68.615	64.635			Non Toll	-26.664396	27.1051853	- 26.3640956	27.5497883	4	3	7			
	R501	03S	52.37	68.878	16.508			Non Toll	- 26.3779374	27.390272	- 26.3640956	27.5497883	0	0	0			
NR-P26	R036	08N	0	46.433	46.433	330.3	North	Non Toll	- 23.6960658	30.1405354	- 23.4640515	29.9083527	8	8	16	97		
	R036	09N	0	17.848	17.848			Non Toll	- 23.4640515	29.9083527	- 23.3576596	29.7829272	1	0	1			
	R071	01E	4.88	88.016	83.136			Non Toll	- 23.8986927	29.5101085	- 23.8012921	30.1250424	9	8	17			
	R071	01W	4.89	39.23	34.34			Non Toll	- 23.8986927	29.5101085	- 23.9138074	29.7862151	0	0	0			
	R071	02E	0	55.918	55.918			Non Toll	- 23.8350245	30.1368755	- 23.9501677	30.6061655	13	9	22			
	R071	03E	0	59.984	59.984			Non Toll	- 23.9501677	30.6061655	- 23.9457357	31.164301	16	11	27			
	R526	02N	0	32.67	32.67			Non Toll	- 24.1195466	30.846706	- 23.9526777	30.6102425	12	2	14			
NR-P27	R081	01N	76.86	150.29	73.427	224.3	North	Non Toll	- 23.8788933	29.5058534	-23.601707	30.0800071	13	5	18	77		
	R081	01N	76.86	150.29	73.427			Non Toll	- 23.6018249	30.0940189	- 23.3084352	30.6859288	31	6	37			
	R529	02N	0	77.489	77.489			Non Toll	- 23.8590537	30.3824012	- 23.3353306	30.6708942	14	8	22			
NR-P28	R037	01E	0	142.87	142.87	699.7	North	Non Toll	- 23.9416918	29.4491311	- 24.6623146	30.3089722	24	17	41	142		
	R037	01W	0	11.533	11.533			Non Toll	- 23.9416918	29.4491311	- 24.0136653	29.4594629	0	0	0			
	R037	02E	0	60.004	60.004			Non Toll	- 24.6623146	30.3089722	- 25.1027896	30.474389	12	6	18			

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	R037	03E	0	43.941	43.941			Non Toll	25.1027896	30.474389	25.1486089	30.7564608	0	0	0			
	R037	04E	0	50.748	50.748			Non Toll	25.1486089	30.7564608	25.4485259	30.9622238	9	11	20			
	R573	01N	2.4	48.568	46.168			Non Toll	25.6857325	28.2923954	25.4598138	28.6285835	5	9	14			
	R573	02N	0	48.652	48.652			Non Toll	25.4594858	28.6292683	25.2489113	29.0307306	3	3	6			
	R573	03N	0	43.741	43.741			Non Toll	25.2489113	29.0307306	24.9763853	29.290626	0	0	0			
	R574	01E	0	38.882	38.882			Non Toll	25.1470842	29.4374401	25.0091763	29.7438911	4	3	7			
	R579	02N	0	26.046	26.046			Non Toll	25.0090781	29.7436933	24.8017402	29.8238324	3	0	3			
	R579	03N	0	78.906	78.906			Non Toll	24.8017402	29.8238324	24.2341162	29.5007925	6	5	11			
	R555	03E	2.03	72.86	70.83			Non Toll	25.3830896	29.8375284	24.8715777	30.0446861	4	9	13			
	R555	04E	0	37.402	37.402			Non Toll	24.8715777	30.0446861	24.6624077	30.308873	2	7	9			
NR-P29	R570	01N	0	40.891	40.891	414.4	North	Non Toll	25.4814332	31.5486262	25.7500892	31.4695385	26	6	32	108		
	R570	02N	0	3.653	3.653			Non Toll	25.4840869	31.5521694	25.4610633	31.533939	2	4	6			
	R571	01N	0	60.537	60.537			Non Toll	25.4499825	31.9634117	-25.931537	31.7618866	8	3	11			
	R571	02N	4.226	13.162	8.936			Non Toll	25.4276939	31.9473882	25.3634353	31.8958898	0	0	0			
	R582	01E	0	21.062	21.062			Non Toll	25.4387707	31.7828758	-25.560858	31.9238715	3	4	7			
	R581	02E	0	10.196	10.196			Non Toll	25.6881088	31.7898249	25.7645135	31.8405669	1	0	1			
	R581	01E	0	26.761	26.761			Non Toll	25.5557761	31.6189521	25.6879957	31.7897847	0	5	5			
	R040	04N	1.753	46.753	45			Non Toll	25.3154493	31.0250361	25.0396407	31.1269601	1	3	4			

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	R040	05N	0	93.795	93.795			Non Toll	- 25.0396407	31.1269601	- 24.3507831	30.9560926	6	10	16			
	R040	06N	0	32.02	32.02			Non Toll	- 24.3507831	30.9560926	- 24.1193301	30.8471306	1	6	7			
	R040	07N	0	36.647	36.647			Non Toll	- 24.1193301	30.8471306	- 23.9241413	31.0832508	8	3	11			
	R531	02E	0	34.932	34.932			Non Toll	- 24.5548914	31.0384453	- 24.5420924	31.3720049	4	4	8			
NR-P30	R033	12N	0	88.527	88.527	417.5	North	Non Toll	- 24.8928974	29.1716448	- 24.7000581	28.4057481	0	3	3	80		
	R033	13N	0	62.87	62.87			Non Toll	- 24.7000581	28.4057481	- -24.285545	28.1017376	5	1	6			
	R033	14N	0	85.168	85.168			Non Toll	- -24.285545	28.1017376	- 23.6871999	27.7411101	6	4	10			
	R101	08N	0	26.814	26.814			Non Toll	- 24.8847955	28.2990692	- 24.7000828	28.4057675	2	0	2			
	R101	09N	0	16.368	16.368			Non Toll	- 24.7000828	28.4057675	- 24.6822416	28.5530234	15	3	18			
	R516	01E	0	83.863	83.863			Non Toll	- 24.8877802	27.5299635	- 24.8847534	28.299103	14	9	23			
	R520	01E	0	53.878	53.878			Non Toll	- 24.0978491	27.6306696	- 24.2856053	28.1016334	11	7	18			
NR-P31	R036	07N	0	20.025	20.025	201.2	North	Non Toll	- 23.8378416	30.1536112	- 23.6960658	30.1405354	4	11	15	63		
	R036	07S	1.3	7.461	6.161			Non Toll	- 23.8421987	30.1431827	- 23.7953319	30.1218082	0	4	4			
	R036	04N	25.9	102.16	76.258			Non Toll	- 24.9002779	30.5484122	- 24.3878138	30.6714826	8	11	19			
	R036	05N	0	53.692	53.692			Non Toll	- 24.3878138	30.6714826	- 24.0183488	30.3647935	6	8	14			
	R036	06N	0	33.438	33.438			Non Toll	- 24.0183488	30.3647935	- 23.8379735	30.1535535	3	7	10			
	R532	03N	61.08	72.673	11.592			Non Toll	- 24.5538509	30.7320934	- 24.5653558	30.6330662	0	1	1			

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NR-P32	R524	01E	0	96.637	96.637	222.0	North	Non Toll	- 23.0436999	29.9176517	- 22.9072192	30.7381502	42	11	53	91		
	R524	02E	0	34.594	34.594			Non Toll	- 22.9072192	30.7381502	- 22.7374961	31.0102013	15	1	16			
	R578	01E	0	90.764	90.764			Non Toll	- 23.0782688	29.9088997	- 23.3368701	30.6654704	15	7	22			
SR-P01	N002	09E	11.7	80.883	69.183	69.2	South	Non Toll	- 33.9764293	23.7707905	- 34.0545893	24.5015148	56	19	75	75		toll section with Er package
SR-P02	N002	10E	0	80.014	80.014	208.8	South	Non Toll	- 34.0545893	24.5015148	- 33.9130403	25.2671192	30	40	70	111		
	N002	10W	69.22	80.066	10.842			Non Toll	- 33.8955627	25.1540587	- 33.9130403	25.2671192	0	0	0			
	R062	06E	36.75	79.033	42.283			Non Toll	- 33.7404391	23.4350309	- 33.8243422	23.8663355	11	4	15			
	R062	07E	0	42.525	42.525			Non Toll	- 33.8243422	23.8663355	- 33.9498157	24.2817024	7	6	13			
	R062	08E	0	33.179	33.179			Non Toll	- 33.9498157	24.2817024	- 34.0331088	24.6057454	8	5	13			
SR-P03	N002	11E	0	71.978	71.978	140.3	South	Non Toll	- 33.9130403	25.2671192	- 33.6713183	25.8549521	10	66	76	112		
	N002	11W	0	68.328	68.328			Non Toll	- 33.9130403	25.2671192	- 33.6907576	25.8250294	4	32	36			
SR-P04	N002	12EX	0	30.574	30.574	283.5	South	Non Toll	- 33.6713183	25.8549521	- 33.5242201	26.1004668	10	3	13	82		
	N002	13EX	0	103.46	103.46			Non Toll	- 33.5242201	26.1004668	- 33.2375533	26.9958096	23	13	36			
	N002	14E	0	65.619	65.619			Non Toll	- 33.2375533	26.9958096	- 32.8802729	27.3518728	3	6	9			
	N002	15E	0	44.992	44.992			Non Toll	- 32.8802729	27.3518728	- 32.9315258	27.7873724	4	16	20			

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	N002	15W	6.143	44.956	38.813			Non Toll	- 32.8912556	27.4056833	- 32.9315258	27.7873724	0	4	4			
SR-P05	N002	16E	0	80.615	80.615	102.5	South	Non Toll	- 32.9315258	27.7873724	- 32.5062159	27.9801481	14	36	50	108		
	N002	16W	0	21.876	21.876			Non Toll	- 32.9315258	27.7873724	- 32.9272934	27.9622792	0	7	7			
SR-P06	N002	17E	0	69.3	69.3	229.8	South	Non Toll	- 32.5062159	27.9801481	-32.094315	28.30837	8	10	18	90	Y	
	N002	18E	0	85.118	85.118			Non Toll	-32.094315	28.30837	31.5571062	28.7991774	21	12	33			
	R411	01E	0	75.404	75.404			Non Toll	- 31.7207635	28.6902667	- 31.9860955	29.1482402	21	18	39			new Ec route
SR-P07	N002	19E	0	78.45	78.45	305.6	South	Non Toll	- 31.5571062	28.7991774	- 30.8900239	28.9966684	17	13	30	128	Y	
	N002	19W	0	7.567	7.567			Non Toll	- 31.5571062	28.7991774	- 31.5822494	28.8599919	0	4	4			
	R061	08E	0	11.797	11.797			Non Toll	-31.605892	29.4453894	- 31.6195064	29.5453391	4	3	7			new Ec route
	R061	8EX	0	17.262	17.262			Non Toll	- 31.5963748	29.5259793	- 31.4909353	29.5248974	5	4	9			new Ec route
	R061	09E	0	73.99	73.99			Non Toll	- 31.3773911	29.5765903	- 30.8680604	29.608127	20	17	37			new Ec route
	R061	10E	0	80.536	80.536			Non Toll	- 30.8680604	29.608127	- 31.0756586	30.191526	22	19	41			
	N002	20E	0	35.982	35.982			Non Toll	- 31.4909353	29.5248974	-31.341747	29.7443019	0	0	0			
SR-P08	N002	19EX	0	98.198	98.198	274.5	South	Non Toll	- 31.5884105	28.7901062	- 30.8901651	28.9967277	7	8	15	72		
	N002	20EX	0	69.351	69.351			Non Toll	- 30.8901651	28.9967277	- 30.6245275	29.4727937	19	16	35			
	N002	21NX	0	106.93	106.93			Non Toll	- 30.6245275	29.4727937	- 30.7828622	30.1785426	10	12	22		Y	

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SR-P09	N006	01N	0	70.418	70.418	250.9	South	Non Toll	-32.9499105	27.9199446	-32.570075	27.4288321	12	7	19	87		
	N006	01NX	0	2.031	2.031			Non Toll	-32.9633465	27.9197675	-32.9499105	27.9199446	0	0	0			
	N006	02N	0	48.222	48.222			Non Toll	-32.570075	27.4288321	-32.2978567	27.1415568	20	5	25			
	R063	14E	0	58.564	58.564			Non Toll	-32.7915086	26.8371904	-32.879661	27.3777494	19	9	28			
	R063	15E	0.47	28.51	28.04			Non Toll	-32.8836141	27.3958946	-32.6946307	27.5693852	5	1	6			
	R063	16E	0	43.635	43.635			Non Toll	-32.6946307	27.5693852	-32.5785624	27.9554704	5	4	9			
SR-P10	N006	03N	0	58.856	58.856	280.4	South	Non Toll	-32.2978567	27.1415568	-31.8958928	26.8709407	33	10	43	142		
	N006	04N	0	107.08	107.08			Non Toll	-31.8958928	26.8709407	-31.1211612	26.8084318	34	13	47			
	R410	01E	0	37.736	37.736			Non Toll	-31.868426	26.9313246	-31.704389	27.2220369	8	2	10			
	R410	02E	0	51.021	51.021			Non Toll	-31.704389	27.2220369	-31.5322195	27.670944	21	9	30			
	R410	03E	0	16.851	16.851			Non Toll	-31.5322195	27.670944	-31.5269834	27.693768	7	2	9			
	R392	01N	0	8.54	8.54			Non Toll	-31.8985964	26.8786245	-31.868426	26.9313246	1	2	3			
	R392	01S	0	0.339	0.339			Non Toll	-31.8986984	26.8786746	-31.8958783	26.8801171	0	0	0			
SR-P11	N009	03N	37.9	59.997	22.097	138.8	South	Non Toll	-33.4107186	23.3216199	-33.2951384	23.4797147	10	4	14	88		
	N009	04N	0	116.74	116.74			Non Toll	-33.2951384	23.4797147	-32.4723316	24.0517494	55	19	74			
SR-P12	N009	05N	0	56.259	56.259	56.3	South	Non Toll	-32.4723316	24.0517494	-32.2489318	24.5352337	48	6	54	54		
SR-P13	N009	06N	0	103.29	103.29	103.3	South	Non Toll	-32.2489318	24.5352337	-31.5168999	25.0180823	81	12	93	93		



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SR-P14	N009	07N	0	26.66	26.66	209.5	South	Non Toll	-31.5168999	25.0180823	-31.2957142	24.9513231	8	8	16	80		
	R056	01E	1.11	86.943	85.833			Non Toll	31.4929883	25.0161959	-31.293714	25.8238787	29	12	41		Y	
	R390	01N	0	62.504	62.504			Non Toll	32.1651042	25.6156831	-31.654015	25.8010399	15	8	23			
	R390	02N	0	34.461	34.461			Non Toll	-31.654015	25.8010399	31.3516011	25.7597407	0	0	0			
SR-P15	N010	01N	0	89.015	89.015	113.1	South	Non Toll	-33.6115376	25.9141466	-32.9533825	25.8111712	29	11	40	58		
	N010	02N	0	24.09	24.09			Non Toll	32.9533825	25.8111712	32.7471517	25.8107635	13	5	18			
SR-P16	N010	03N	0	81.585	81.585	176.9	South	Non Toll	-32.7471517	25.8107635	-32.1696469	25.6171778	35	14	49	107		
	N010	04N	0	95.331	95.331			Non Toll	32.1696469	25.6171778	-31.517108	25.01816	52	6	58		Y	
SR-P17	R056	02E	0	57.867	57.867	130.0	South	Non Toll	-31.293714	25.8238787	31.3957256	26.3627104	25	3	28	62	Y	
	R056	03E	0	35.037	35.037			Non Toll	31.3957256	26.3627104	31.3800366	26.7025785	29	2	31			
	R391	02N	0	37.089	37.089			Non Toll	31.2679229	26.1331555	30.9965954	26.3305661	0	3	3			
SR-P18	R056	04E	0	35.331	35.331	198.5	South	Non Toll	-31.3800366	26.7025785	31.3776058	27.0471216	20	0	20	79		
	R056	05E	0	36.676	36.676			Non Toll	31.3776058	27.0471216	31.4695605	27.3404695	8	5	13			
	R056	06E	0	58.144	58.144			Non Toll	31.4695605	27.3404695	31.3345484	27.8478683	18	8	26			
	R056	07E	0	68.36	68.36			Non Toll	31.3345484	27.8478683	31.0696909	28.352719	10	10	20			

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SR-P19	R056	08E	0	168.71	168.71	261.9	South	Non Toll	- 31.0696909	- 28.352719	- 30.4442321	- 29.1973359	39	15	54	86		
0	R396	06E	0	61.179	61.179			Non Toll	- 31.3224542	- 28.8055852	- 31.0696986	- 28.3526888	9	6	15			
0	R415	01N	0	32.045	32.045			Non Toll	- 30.3412517	- 28.800323	- 30.1327663	- 28.6831649	9	8	17			new EC Route
SR-P20	R058	04E	0	49.793	49.793	116.2	South	Non Toll	- 30.6934356	- 26.7090422	- 30.7163775	- 27.1829188	25	4	29	107		
	R058	05E	0	66.107	66.107			Non Toll	- 30.7163775	- 27.1829188	- 30.9674905	- 27.5943321	62	16	78			
	R058	05W	66.32	66.606	0.286			Non Toll	- 30.9674629	- 27.5912154	- 30.9674905	- 27.5943321	0	0	0			
SR-P21	R058	06E	0	62.405	62.405	108.8	South	Non Toll	- 30.9674905	- 27.5943321	- 31.3345369	- 27.8478008	56	0	56	80		
	R058	06W	0	0.752	0.752			Non Toll	- 30.9674905	- 27.5943321	- 30.9688566	- 27.6009089	0	0	0			
	R058	07E	0	45.605	45.605			Non Toll	- 31.3886281	- 27.7913199	- 31.6752704	- 28.0021362	13	11	24			
SR-P22	R061	01E	74.4	147.82	73.424	159.2	South	Non Toll	- 32.5777131	- 23.2970708	- 32.4723443	- 24.0516942	47	3	50	74		
	R061	02E	0	85.732	85.732			Non Toll	- 31.9149518	- 24.7607845	- 32.1466187	- 25.580092	19	5	24			
SR-P23	R061	03E	0	75.384	75.384	138.5	South	Non Toll	- 32.1748497	- 25.6332829	- 32.0068137	- 26.2610083	32	9	41	101		
	R061	04E	0	63.106	63.106			Non Toll	- 32.0068137	- 26.2610083	- 31.8929945	- 26.8630033	55	5	60			
SR-P24	R061	05E	0	60.006	60.006	204.5	South	Non Toll	- 32.0063997	- 27.0046159	- 32.0146716	- 27.5950801	14	8	22	74		
	R061	06E	0	92.992	92.992			Non Toll	- 32.0146716	- 27.5950801	- 31.6521439	- 28.3042642	25	13	38			
	R061	07E	0	51.486	51.486			Non Toll	- 31.6521439	- 28.3042642	- 31.5883971	- 28.7899854	10	4	14			

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SR-P25	R063	07E	40	90.109	50.109	123.8	South	Non Toll	-32.0257221	24.1335105	-32.2492104	24.5342862	38	4	42	71		
	R063	08E	0	23.03	23.03			Non Toll	-32.2714112	24.5453691	-32.4567693	24.6373716	7	4	11			
	R063	09E	0	50.645	50.645			Non Toll	-32.4567693	24.6373716	-32.5824847	25.1391364	13	5	18			
SR-P26	R063	10E	0	48.362	48.362	114.6	South	Non Toll	-32.5824847	25.1391364	-32.7187944	25.5900158	20	6	26	79		
	R063	11E	0	23.965	23.965			Non Toll	-32.7187944	25.5900158	-32.7486762	25.807854	18	7	25			
	R063	12E	0	42.307	42.307			Non Toll	-32.6655671	25.8869363	-32.7132971	26.2899972	21	7	28			
SR-P27	R063	13E	0	59.492	59.492	259.5	South	Non Toll	-32.7132971	26.2899972	-32.7915682	26.8372215	13	7	20	41		
	R067	02N	0	70.587	70.587			Non Toll	-33.2810245	26.5958582	-32.7801725	26.613196	12	9	21			
	R067	03N	0	41.753	41.753			Non Toll	-32.7781023	26.619923	-32.5433391	26.7706846	28	13	41	94		
	R067	04N	0	54.436	54.436			Non Toll	-32.5433391	26.7706846	-32.1780678	26.8252568	37	4	41			
	R067	05N	0	33.206	33.206			Non Toll	-32.1780678	26.8252568	-31.90059	26.8476479	9	3	12			
SR-P28	R072	01E	0	49.846	49.846	228.1	South	Non Toll	-33.6061106	25.9163939	-33.653385	26.410843	39	0	39	113		
	R072	02E	0	49.668	49.668			Non Toll	-33.653385	26.410843	-33.5957625	26.8881475	10	5	15			
	R072	03E	0	66.763	66.763			Non Toll	-33.5957625	26.8881475	-33.2236801	27.3354434	17	14	31			
	R072	04E	0	61.782	61.782			Non Toll	-33.2236801	27.3354434	-33.0384364	27.8326579	19	9	28			
SR-P29	R075	01N	0	29.052	29.052	252.2	South	Non Toll	-33.9158048	25.5859866	-33.7285657	25.4312875	1	15	16	112		

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	R075	01S	0	27.882	27.882			Non Toll	33.9158048	25.5859866	-33.740245	25.4291632	3	16	19			
	R075	02N	5.34	91.978	86.638			Non Toll	33.7285657	25.4312875	33.2966652	24.8314866	12	13	25			
	R075	03N	0	49.529	49.529			Non Toll	33.2966652	24.8314866	32.9458762	24.6671691	12	12	24			
	R075	04N	0	59.084	59.084			Non Toll	32.9458762	24.6671691	32.4567709	24.6373778	21	7	28			
SR-P30	R058	01E	36.96	76.628	39.668	210.8	South	Non Toll	30.6371306	25.4565604	30.7777373	25.7988854	3	5	8	73		
	R058	02E	0	58.364	58.364			Non Toll	30.7777373	25.7988854	30.9965434	26.3304992	15	5	20			
	R058	03E	0	55.732	55.732			Non Toll	30.9965434	26.3304992	30.6901056	26.7088061	10	13	23			
	N006	05N	0	57.067	57.067			Non Toll	31.1211612	26.8084318	30.6864897	26.7058587	17	5	22			
SR-P31	R335	01N	0	49.484	49.484	122.1	South	Non Toll	33.8232617	25.6467878	-33.455397	25.7211816	3	4	7	24		
	R336	01E	0	48.048	48.048		0	Non Toll	33.5384716	25.6904931	-33.43897	25.2729094	3	11	14			
	R342	01E	0	24.528	24.528		0	Non Toll	-33.455397	25.7211816	33.4377524	25.9622639	1	2	3			
WR-P01	N001	01N	65.91	72.748	6.84	71.0	West	Toll	33.8760208	18.6610335	33.7205271	19.1853517	9	37	46	56		
	N001	01S	18.9	72.725	53.825			Toll	33.8760208	18.6610335	33.7205271	19.1853517	0	8	8			
	N001	02N	0	6.62	6.62			Toll	33.7205271	19.1853517	33.6297213	19.4325978	0	1	1			
	N001	02S	24.92	28.61	3.686			Toll	33.7205271	19.1853517	33.6297213	19.4325978	1	0	1			
WR-P02	N001	02N	6.62	28.597	21.977	104.2	West	Non Toll	33.7204358	19.1853403	33.6297596	19.4316055	6	17	23	129		
	N001	03N	0	74.348	74.348	248.3	0	Non Toll	33.5179581	19.5613315	33.3295393	20.0300343	22	13	35			

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	N001	03S	0	3.56	3.56			Non Toll	- 33.4104169	19.757762	- 33.3968835	19.786011	0	0	0			
	N001	03S	44.29	48.609	4.32			Non Toll	- 33.4104169	19.757762	- 33.3968835	19.786011	0	0	0			
	N001	04N	0	81.678	81.678			Non Toll	- 33.3295393	20.0300343	- 33.1965482	20.8579678	26	4	30			
	N001	05N	0	84.408	84.408			Non Toll	- 33.1965482	20.8579678	- 32.9869957	21.6826785	35	6	41			
WR-P03	N001	06N	0	39.432	39.432	114.6	West	Non Toll	- 32.9869957	21.6826785	- 32.7730154	21.9756213	30	5	35	107		
	N001	07N	0	75.206	75.206			Non Toll	- 32.7730154	21.9756213	- 32.3540372	22.5833669	58	14	72			
WR-P04	N001	08N	0	74.744	74.744	135.0	West	Non Toll	- 32.3540372	22.5833669	- -31.884848	23.0831698	54	15	69	99		
	N012	05N	0	60.267	60.267			Non Toll	- 31.8846199	23.0830597	- -31.403939	23.1173919	26	4	30			
WR-P05	N001	09N	0	104.63	104.63	104.6	West	Non Toll	- -31.884848	23.0831698	- 31.4111138	23.9467606	47	13	60	60		
WR-P06	N001	10N	0	60.872	60.872	133.5	West	Non Toll	- 31.4111138	23.9467606	- 31.0718499	24.4403622	19	1	20	81		
	N001	11N	0	72.613	72.613		0	Non Toll	- 31.0718499	24.4403622	- 30.7333147	25.0856695	50	11	61			
WR-P07	N001	12S	0	37.438	37.438	148.8	West	Non Toll	- 30.7333147	25.0856695	- 30.5853896	25.4179362	44	7	51	104		
	N009	07N	26.66	94.331	67.671			Non Toll	- 31.2957142	24.9513231	- 30.7334172	25.0856712	47	6	53			
	N009	07S	26.66	33.435	6.775			Non Toll	- 31.3125358	24.9565353	- 31.2588224	24.9409124	0	0	0			
	R058	01E	0	36.96	36.96			Non Toll	- 30.7105961	25.1042191	- 30.6370616	25.4565139	10	9	19			New NC route

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	N002	08E	31.6	96.931	65.331			Toll	33.9349652	23.492871	33.9668617	23.6477355	4	15	19	26		
	N002	09E	0	11.7	11.7		South	Toll	33.9668617	23.6477355	33.9764293	23.7707905	2	5	7			toll
WR-P09	N002	01E	17.47	39.531	22.061	192.1	West	Non Toll	33.9959338	18.6193607	-34.090702	18.8408951	4	28	32	103		
	N002	01W	17.47	39.579	22.109			Non Toll	33.9959338	18.6193607	-34.090702	18.8408951	0	2	2			
	N002	02E	8.618	67.7	59.082			Non Toll	34.2301914	19.1878612	34.2273598	19.4290284	4	14	18			
	N002	02W	38.39	43.547	5.155			Non Toll	34.2116482	19.1614083	34.2290186	19.1877369	0	0	0			
	N002	03E	0	48.673	48.673			Non Toll	34.2273598	19.4290284	34.1503089	19.9137357	20	5	25			
	R300	01N	14.76	30.916	16.158			Non Toll	34.0077812	18.626254	33.8745546	18.6719159	2	21	23			
	R300	01S	14.77	30.932	16.159			Non Toll	34.0077812	18.626254	33.8745546	18.6719159	0	3	3			
	R043	01E	0	2.744	2.744			Non Toll	34.2497764	19.1880639	34.2287025	19.1874846	0	0	0			
WR-P10	N002	04E	0	56.92	56.92	138.9	West	Non Toll	34.1503089	19.9137706	34.0282156	20.4448104	24	12	36	81		
	N002	05E	0	81.968	81.968			Non Toll	34.0282156	20.4448104	34.0934752	21.251057	34	11	45			
WR-P11	N002	06E	0	105.44	105.44	303.9	West	Non Toll	34.0934752	21.251057	-34.050364	22.2317155	23	21	44	127		
	N002	06W	0	3.219	3.219			Non Toll	34.0934752	21.251057	34.1207738	21.2577893	0	2	2			
	N002	06W	80.94	105.69	24.745			Non Toll	34.1816553	22.0484509	-34.050364	22.2317155	0	8	8			
	N002	07E	0	54.419	54.419			Non Toll	-34.050364	22.2317155	34.0093005	22.7675723	13	40	53			
	N002	07W	0	28.444	28.444			Non Toll	-34.050364	22.2317155	33.9869683	22.5137391	0	7	7			

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	N002	08EX	0	22.295	22.295			Non Toll	- 34.0093005	22.7675723	- 34.0321057	22.9908913	1	3	4			
	N002	08E	31.6	96.931	65.331			Non Toll	- 34.0420928	23.0799065	- 33.9349652	23.492871	3	6	9			
WR-P12	N007	01N	17.4	52.294	34.894	238.5	West	Non Toll	- 33.7284862	18.5445002	- 33.4656462	18.7173284	2	22	24	95		
	N007	01S	17.4	52.272	34.872			Non Toll	- 33.7306834	18.5449813	- 33.4656556	18.7176578	0	11	11			
	N007	02N	0	33.993	33.993			Non Toll	- 33.4656462	18.7173284	-33.167197	18.6810702	5	12	17			
	N007	02S	0	7.995	7.995			Non Toll	- 33.4656556	18.7176578	- 33.3952673	18.7098217	0	4	4			
	N007	03N	0	126.8	126.8			Non Toll	-33.167197	18.6810702	- 32.1725572	18.8677627	28	11	39			
WR-P13	N007	04N	0	75.507	75.507	159.2	West	Non Toll	- 32.1725572	18.8677627	- 31.6096416	18.7291435	23	8	31	74		
	N007	04S	47.38	48.658	1.278			Non Toll	-31.838033	18.6186096	- 31.8273679	18.6192539	0	2	2			
	N007	05N	0	82.412	82.412			Non Toll	- 31.6096416	18.7291435	-31.040537	18.26926	34	7	41			
WR-P14	N007	06N	0	63.303	63.303	176.9	West	Non Toll	-31.040537	18.26926	- 30.5513643	17.9922682	18	4	22	78		
	N007	07N	0	113.56	113.56		0	Non Toll	- 30.5513643	17.9922682	- 29.6618908	17.8929045	46	10	56			
WR-P15	N007	08N	0	116.23	116.23	295.6	West	Non Toll	- 29.6618908	17.8929045	- 28.7642446	17.6269795	56	9	65	156		
	R382	01E	0	87.956	87.956			Non Toll	- 28.5697425	16.5155489	- 29.2550105	16.8689236	24	21	45			New NC routes
	R382	02E	0	91.374	91.374			Non Toll	- 29.2550697	16.8684437	- 29.2554116	17.7418236	25	21	46			
WR-P16	N008	06E	0	135.36	135.36	417.2	West	Non Toll	- 28.8878936	21.9778122	- 28.8474266	23.2480957	25	12	37	122		

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	N008	07E	0	45.663	45.663			Non Toll	- 28.8492873	23.2595541	- 28.8011021	23.7220407	4	1	5			
	N008	08E	0	99.497	99.497			Non Toll	- 28.8011021	23.7220407	- 28.7432941	24.708238	11	3	14			
	N008	09EX	2.36	8.911	6.551			Non Toll	- 28.7721293	24.7647708	- 28.810016	24.8120076	0	1	1			
	N012	10N	5	80.573	75.573			Non Toll	- 28.6916364	24.7782399	- 28.0681504	24.9206545	16	9	25			
	N018	01N	0	54.6	54.6			Non Toll	- 28.1128709	24.8533636	- 27.6333601	24.7613236	15	25	40			
WR-P17	N010	05N	0	62.17	62.17	174.3	West	Non Toll	- 31.3317149	24.975765	- 31.0757242	24.4322583	31	12	43	86		
	N010	06N	0	63.909	63.909			Non Toll	- 31.0755841	24.4320598	- 30.6569387	23.9801049	32	8	40			
	N010	07N	0	48.216	48.216			Non Toll	- 30.6569387	23.9801049	- 30.5791504	23.5105145	1	2	3			
WR-P18	N010	08N	0	126.92	126.92	126.9	West	Non Toll	- 30.5633265	23.5153317	- 29.6857503	22.73269	127	12	139	139		
WR-P19	N010	09N	0	72.939	72.939	128.5	West	Non Toll	- 29.6857503	22.73269	- 29.3915324	22.1128288	47	3	50	83		
	N010	10N	0	55.594	55.594			Non Toll	- 29.3915324	22.1128288	- 28.9015751	21.9946077	29	4	33			
WR-P20	N010	11N	0	116.71	116.71	116.7	West	Non Toll	- 28.9015751	21.9946077	- 28.4629188	21.2410357	50	23	73	73		
WR-P21	N010	12N	0	130.31	130.31	388.6	West	Non Toll	- 28.435921	21.252301	- 28.0946597	19.9997041	104	4	108	109		
	R360	01N	0	172.03	172.03			Non Toll	- 28.4156839	21.2062413	- 26.9873577	20.7735359	0	0	0			
	R031	01E	0.15	86.445	86.295			Non Toll	- 26.7561581	20.0007017	- 26.9873577	20.7735359	1	0	1			



## SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LIMITED

CONTRACT SANRAL 57000/1002/2022/1

CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS

Package	Route	Section	Start km	End km	Section km	Package Total km	Region	Funding	GPS Start Latitude	GPS Start Longitude	GPS End Latitude	GPS End Longitude	Number of Major Culverts	Number of Bridges (EBU)	Total Number of Structures	Package Total	Potential High Risk	Comments
WR-P22	N012	06N	0.78	104.1	103.32	350.3	West	Non Toll	-31.403939	23.1173919	30.5874986	23.5057704	20	10	30	77		
	N012	07N	0	77.392	77.392			Non Toll	-	23.5057704	29.9297651	23.6920767	17	6	23			
	N012	08N	0	52.092	52.092			Non Toll	-	23.6920767	-29.622412	24.0933351	5	1	6			
	N012	09N	0	117.47	117.47			Non Toll	-29.622412	24.0933351	28.7700049	24.7505273	10	8	18		Y	
WR-P23	N014	01E	0	162.71	162.71	369.5	West	Non Toll	29.6616047	17.8961426	29.1251704	19.3966239	10	3	13	88		
	N014	02E	0	129.43	129.43			Non Toll	29.1251704	19.3966239	28.7689217	20.6153017	27	9	36			
	N014	03E	0	41.915	41.915			Non Toll	28.7689217	20.6153017	28.7116699	20.9807795	13	8	21			
	N014	04E	0	35.47	35.47			Non Toll	28.7116699	20.9807795	28.4753144	21.2038374	11	7	18			
WR-P24	N014	05E	7.37	166.04	158.67	255.3	West	Non Toll	28.4337726	21.3058257	-27.934574	22.7396595	32	1	33	60		
	N014	06E	0	49.335	49.335			Non Toll	-27.934574	22.7396595	27.6961894	23.0727563	20	5	25			
	N014	07E	0	47.299	47.299			Non Toll	27.6961894	23.0727563	-27.463483	23.4339346	2	0	2			
WR-P25	R027	07E	41.12	52.029	10.911	225.6	West	Non Toll	31.3742883	19.0162122	31.3695341	19.1187048	2	0	2	72		
	R027	08E	0	67.062	67.062			Non Toll	31.3695341	19.1187048	-31.465799	19.783206	24	4	28			
	R027	09N	0.123	147.75	147.63			Non Toll	-31.465799	19.783206	-30.464597	20.4787403	35	7	42			
WR-P26	R027	10N	0	141.96	141.96	216.6	West	Non Toll	-30.464597	20.4787403	29.3452431	21.1527741	71	4	75	136		
	R027	11N	0	74.614	74.614			Non Toll	29.3452431	21.1527741	28.7117168	20.9809196	50	11	61			

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CONTRACT SANRAL 57000/1002/2022/1

CONSULTING ENGINEERING SERVICES FOR THE INSPECTION OF BRIDGES AND MAJOR CULVERTS

Package	Route	Section	Start km	End km	Section km	Package Total km	Region	Funding	GPS Start Latitude	GPS Start Longitude	GPS End Latitude	GPS End Longitude	Number of Major Culverts	Number of Bridges (EBU)	Total Number of Structures	Package Total	Potential High Risk	Comments
WR-P27	R380	02N	0	118.46	118.46	534.8	West	Non Toll	- 27.1553953	- 22.8500555	- 26.2041313	- 22.5698569	22	19	41	189		New NC routes
	R385	03N	0	48.902	48.902			Non Toll	- 28.2625787	- 23.5595469	- 28.3310799	- 23.0832014	9	8	17			New NC routes
	R325	02N	0	52.762	52.762			Non Toll	- 28.3310799	- 23.0832014	- 27.8989285	- 22.9626389	10	9	19			New NC routes
	R031	04E	0	73.213	73.213			Non Toll	- 27.1553082	- 22.8499404	- 27.4635108	- 23.4339099	14	12	26			New NC routes
	R031	05E	0	92.413	92.413			Non Toll	- 27.4635108	- 23.4339099	- 28.2625787	- 23.5595469	17	15	32			New NC routes
	R031	06E	0	78.786	78.786			Non Toll	- 28.2625787	- 23.5595469	- 28.3669201	- 24.2904308	15	13	28			New NC routes
	R031	07E	0	30.67	30.67			Non Toll	- 28.3669201	- 24.2904308	- 28.5369631	- 24.5265159	6	5	11			New NC routes
	R031	08E	0	39.594	39.594			Non Toll	- 28.5369631	- 24.5265159	- 28.7721342	- 24.7647018	8	7	15			New NC routes
WR-P28	R048	03N	0	44.954	44.954	200.1	West	Non Toll	- 30.4364797	- 24.4730228	- 30.0818688	- 24.6582153	9	7	16	70		New NC routes
	R048	04N	0	15.1	15.1		0	Non Toll	- 30.0818688	- 24.6582153	- 29.9702536	- 24.6040942	3	3	6			New NC routes
	R369	02E	0	67.951	67.951		0	Non Toll	- 29.6220322	- 24.0937925	- 29.9702536	- 24.6040942	13	11	24			New NC routes
	R389	02N	0	72.134	72.134		0	Non Toll	- -31.062327	- 24.4658738	- 30.4364797	- 24.4730228	13	11	24			New NC routes

## **C4.2 VERIFICATION INSPECTION PACKAGE INFORMATION**

### **Package SNR**

Northern region is the area within the provincial boundaries of the following provinces: Gauteng, North West, Limpopo and Mpumalanga.

### **Package SSR**

Southern region is the area within the provincial boundaries of the Eastern Cape Province

### **Package SER**

Eastern region is the area within the provincial boundaries of the following provinces: Kwa-Zulu Natal and Free-state.

### **Package SWR**

Western region is the area within the provincial boundaries of the following provinces: Western Cape and Northern Cape