

REQUEST FOR QUOTE - Geotechnical Investigation Theodore Moura Road Rehabilitation

RFQ # Q-2223-INF-21 – Geotechnical Investigation

Annexure 1

Section 1 Scope of Works

1.1 Overview of Project Objectives

Banana Shire Council is planning to undertake pavement rehabilitation works on the Theodore Moura Road located approximately 3.5Km south-east of the Dawson Highway in Moura. The subject section of Road extends from the entrance of the Moura Gin in a north-westerly direction for approximately 1,000 metres.

The objective of the project is to improve the stability of the existing road pavement and to accommodate the increased heavy vehicle movements now transiting this section of the roadway.

1.2 Brief Description of the Works

Pavement geotechnical testing of Theodore Moura Road, Moura over a 1,000m section of roadway.

1.3 Background

The geotechnical investigation is to determine the underlying pavement and subgrade conditions of this section of the Theodore Moura Road and to provide inputs into the pavement rehabilitation design of the roadway.

1.4 Function to be performed

- Obtain all necessary approvals from BSC and arrange an accredited Traffic Controller contractor to develop a Traffic Management Plan and Traffic Guidance Scheme for the proposed site works.
- Undertake drilling and sampling of ten boreholes (at generally 100m intervals) within the existing road shoulder to approximately 2.0m depth to determine subgrade depth.
- Recover sufficient samples from each bore for testing of the existing pavement and subgrade materials in accordance with the proposed sampling and testing methodology.
- Dynamic Cone Penetrometer (DCP) testing shall be performed at each bore hole and extend to a minimum 1 metre (or prior refusal) below the existing subgrade level.
- Reinstatement of all bore holes and excavations. To typically comprise of subtype 2.3 pavement material and surfaced with cold-mix (asphalt0 where appropriate).

1.5 Performance Specifications

All works to be completed as per the relevant Australian Standards.

All laboratory testing to be undertaken in a NATA Accredited Laboratory.

1.6 Specification of Goods to be supplied

Geotechnical testing and a subsequent factual report.

1.7 Technical Requirements

- When in existing pavement bore hole depth will be a minimum 400mm below the existing subgrade level.
- When not in existing pavement please have borehole depth a minimum of 1m below subgrade level.
- Provide results for:
 - Gradings for each pavement level (also a subgrade level)
 - CBR for defined layers and samples.
- Boreholes are to be strategically located in areas of obvious pavement failure.
- All geotechnical works and reports must be overseen and certified by an RPEQ.

1.8 Pricing/Fee Proposal

Bill of Quantities to be provided (with separate provisional items) and variation hourly rates.

1.9 Resources Supplied by Banana Shire Council

BSC can assist with meetings and stakeholder coordination (if required).

1.10 Site Preparation

N/A

1.11 Deliverables

The final deliverable is a factual geotechnical report providing the information of all pavement layers and subgrade detected to support the engineering design of the pavement.

1.12 Site Possession Deliverables

Prior to site possession, the Contractor/Service Provider must have completed the following online activities:

- Site specific safety management plan and other WHS documents (eg. Traffic Management etc.)

1.13 Defect Period/Warranty

N/A

1.14 Delivery Dates or Delivery Period

The factual Geotechnical report is to be provided within 21 days after the purchase order is issued – unless negotiations with BSC staff approve otherwise.

1.15 Delivery Address or Work Location

Banana Shire Council email to:

Paul Meredith (A/Manager of Technical Services) – paul.meredith@banana.qld.gov.au

Enquiries – enquiries@banana.qld.gov.au

1.16 Key Personnel

The following Key Personnel are required for delivery of the work/services.

| Role | Name | Qualifications & Experience | Allocation to Project (FTE %) | Time on Site (% or hours) |
|------------------------------|------|-----------------------------|-------------------------------|---------------------------|
| Senior Geotechnical Engineer | | | | |
| Site Supervisor | | | | |
| Team Leader | | | | |
| RPEQ | | | | |
| | | | | |
| | | | | |

1.17 Environmental Requirements

Must comply with relevant environmental acts whilst conducting works. EMP is to address all environmental requirements.

1.18 Reporting Requirements

Must provide a final report.

1.19 Site Meeting Requirements

N/A

1.20 Other Work

N/A

1.21 Post Completion Support

N/A

1.22 Attachments

The following attachments form part of the Scope of Works:

Location plan.

1.23 BSC Policies

The Contractor must comply with the following BSC Policies in the completion of the works:

- Code of Conduct;
- Drug and Alcohol Policy;
- Procurement Policy; and
- Work Health and Safety Policy.
- Complete copies of these policies are available to the public on the BSC website at the following address: <https://www.banana.qld.gov.au>

1.24 Standards

The Contractor must comply with the following standards in the completion of the works: Workplace Health and Safety Regulations 2011;

- This Specification
- Council Policies (specific to the job)
- Main Road Specific Contract Requirements for MRTS05 Supply of Unbound Pavement and MRTS22.1 Supply of Cover Aggregate
- Capricorn Municipal Development Guidelines (CDMG)

Section 2 Work Health & Safety Requirements

2.1 Project Safety Management Plan

Prior to Site Possession/commencement of the works, the Contractor shall be required to provide a Project Safety Management Plan to BSC. The Project Safety Management Plan shall, at a minimum, include the following components:

- Site induction process for sub-contractors and other personnel nominated by the Principal or Superintendent throughout completion of the work;

2.2 BSC Inductions

N/A





