



Bulloo
Shire

SCOPE AND SPECIFICATION

FLOOD DAMAGED ROADS RESTORATION

South Western Region – Unsealed Road Repairs

VOLUME 3 OF 4

Rainfall and Flooding March – May 2024

CONTRACT No.
T2025-2026-202 – Orientos Road
T2025-2026-203 – Epsilon Road
T2025-2026-204 – Bransby Santos Road
T2025-2026-205 – Omicron Road & Toona Gate Road
T2025-2026-206 – Cameron Corner Road

CONTRACT SERVICES

Bulloo Shire Council is seeking tenders from appropriately qualified contractors to complete works associated with Contracts within Bulloo Shire:

- T2025-2026-202 – Orientos Road
- T2025-2026-203 – Epsilon Road
- T2025-2026-204 – Bransby Santos Road
- T2025-2026-205 – Omicron Road & Toona Gate Road
- T2025-2026-206 – Cameron Corner Road

The Contract works will be provided in accordance with the tendered Schedule of Rates as submitted in the relevant *Schedule K1 Contract Works Pricing Schedule and Schedule K2 Additional Works Pricing Schedule*.

SCOPE AND SPECIFICATION DOCUMENTS

This Volume 3 Scope and Specification document comprises of and is to be read in conjunction with the following documents:

- Volume 3 Scope and Specification.
- Applicable Main Roads Technical Specifications.
- Applicable AUS-SPEC Specifications
- Applicable South West Regional Road Group Specifications.
- Full treatment meanings as required under QRA legislation.
- Bulloo Shire Council detailed maps.

CONTRACT SPECIFIC CLAUSES

SECTION 1 – PRELIMINARIES

1.1 SCHEDULE OF RATES CONTRACT

The Contractor shall note that the basis of the Contract is a schedule of rates, tendered to complete a defined body of work as detailed in Schedule K1 Contract Pricing Schedule and Schedule K2 Additional Works Pricing Schedule.

1.2 EXTENT OF WORKS

The works to be completed under the contract are specifically designed to address damaged caused to road infrastructure as a result of natural disasters. The extent of work is based on approvals provided by Bulloo Shire Council and the Queensland Reconstruction Authority.

1.3 SITE LOCATION MAPS

Maps are provided detailing the Contract worksite locations, along with Principal owned and/or managed gravel pits. The Contractor shall note that the maps are provided for information, planning and visual reference purposes only. Due to changes to the specified works, which may occur throughout the contract period and the lead up to it, the maps must not be relied upon by the Contractor as the sole source of information beyond the tender period.

The Contractor shall ensure that only the infield application program is used to determine and confirm the current extent of approved works during the Contract Period.

The maps are provided in Appendix A.

1.4 SCOPE OF WORK

General

General works across all sites include but are not limited to the following works.

- Development, implementation and management of site specific Temporary Traffic Management Plans.
- Development, implementation and management of site specific Safe Work Method Statements.
- Development, implementation and management of site specific environmental controls.
- Development, implementation and management of site specific Fatigue Management Plan.
- Development, implementation and management of site specific Chain of Responsibility Management Plan.
- Development, implementation and management of site specific Quality Management Plan.
- Site establishment.
- Management and maintenance of the worksite.
- Site disestablishment and clean up.

Treatment Schedule

All works associated with this Contract relate to the approved standard road maintenance and reconstruction treatments detailed in the Queensland Government's Queensland Reconstruction Authority Treatment Guide 2021-21 (QRA Treatment Guide). The QRA Treatment Guide is provided as a reference in Appendix B.

Contractors shall note the inclusion of the Contract Treatment Code reference in the table below. The Contract Treatment Code is also referenced in the contract pricing schedules. For all work delivery purposes and on site the Contract Treatment Code will be used rather than the standard QRA Treatment Code.

The treatment list provided below details the type of works approved for delivery across the three contract packages. It must be noted that not all treatments detailed below have been approved for completion across the three contract packages. The Contract Bill of Quantities details the approved treatments and their extent at each site.

Contract Treatment Code	QRA Treatment Code	QRA Treatment Guide Page	Standard Treatment
BFI	BKF_IMP	23	Bulk fill - imported
BFL	BKF_LOC	23	Bulk fill - local
RRC	CON_RCN	26	Reconstruct reinforced concrete
RFC	CON_RFC	26	Repair with flowable concrete
DDS	CUL_SIL	27	Desilt drainage structure - removal of silt and debris
CMD	EXC_HVC	24	Clear mixed debris and remove from site
BER	EXC_RSOS	24	Bulk excavate surplus material and remove from site
BES	EXC_RSS	24	Bulk excavate surplus material to spoil
RCS	RFD_RCS	32	Replace sign (complete) - standard road sign, includes post
RGP	RFD_RP	32	Replace guide posts or markers
RSF	RFD_RSF	32	Replace sign face only - standard road sign
HSG	SPR_HSG	21	Heavy shoulder grading - incorporating 50mm of imported material
ER	SPR_PER	16	Edge Repair
POT	SPR_POT	15	Pothole repair <1m ²
PRP	SPR_PRL	14	Pavement repair - patch local unbound pavement failure (<20m ²). Includes 2 coat bitumen seal
RUGB	SPR_RB	19	Reconstruct unbound granular base. Excludes seal
RUGP	SPR_RR	19	Reconstruct unbound granular pavement. Excludes seal
BSS	SPR_RSSR	22	Bitumen spray seal, 2-coat
ISS	SPR_STB	17	In-situ stabilisation - including 50mm corrector. Excludes seal
GMS	USP_GMS	11	Gravel/material supply
GR100	USP_GR100	12	Gravel Resheeting 100mm
GR150	USP_GR150	12	Gravel Resheeting 150mm
HFG	USP_HFG	10	Heavy formation grading
HFG50	USP_HFG50	10	Heavy formation grading incorporating 50mm of imported material
HFG75	USP_HFG75	10	Heavy formation grading incorporating 75mm of imported material
MFG	USP_MFG	9	Medium formation grading
RTD	USP_RSTD	13	Reshape table drain (1 side)
RDS	CUL_RP	28	Repair drainage structure - excavate, repair and reinstate
RCP	CUL_RCP<375	29	Replace concrete pipe <375mm dia.

1.5 COUNCIL INDUCTIONS

The Contractor shall note that all personnel working on site to deliver the Contract Works, along with all approved subcontractor personnel must complete a Bulloo Shire Council induction prior to establishing the worksite or commencing works.

1.6 RESTRICTIONS ON WORKS

The Contractor shall be restricted in the works to be performed under this Contract as follows:

- Roads shall be returned to normal traffic operation outside of working hours and/or during any time that the Contractor is not undertaking works at the site;
- Access to properties shall be maintained at all times throughout the period of the Contract.
- The Contractor shall provide a minimum of 48 hours notice to landowners of any works that will affect the owner's access. Work on the notified owner's access shall not commence prior to the 48 hours notice period, unless the Contractor has written permission from the owner;
- No works on the roads shall occur between Saturday 20 December 2025 and Sunday 11 January 2026 inclusive. All sealed road works shall be sealed and safe to use for the travelling public during the Christmas/New Year holiday period without the need for ongoing monitoring by Council or the Contractor's personnel.
- No works on the roads shall occur over the Easter period between Thursday 2 April 2026 and Tuesday 7 April 2026 inclusive. All sealed road works shall be sealed and safe to use for the travelling public during the holiday period without the need for ongoing monitoring by Council or the Contractor's personnel.
- Claims for extra payment arising from these restrictions and any other restriction outlined in the Specification will not be considered.

1.7 DAYS AND HOURS OF WORK

The Contractor shall only undertake works associated with this Contract during the following days and hours:

Monday to Friday	6.00am to 6.00pm
Saturday	6.00am to 6.00pm
Sunday	6.00am to 6.00pm
Public Holidays (national, state and local)	No work permitted

The Contractor shall adjust the hours noted above as required to account for seasons of the year or local weather conditions where low visibility may impact on the safety of site personnel and/or road users. No work on site shall be undertaken in low visibility conditions. Low visibility conditions include but are not limited to hours of darkness, including dawn and dusk and atmospheric and/or weather conditions.

The hours noted above shall not be changed or extended beyond the Contract limits without the prior written approval from the Superintendent. In the case of emergency situations the need for extended work hours shall be notified to the Superintendent at the earliest possible opportunity.

1.8 AFTER HOURS WORKS

If the Contractor wishes to undertake programmed works outside of the hours nominated in Clause 1.7 Days and Hours of Work, then advance approval of the proposed work period shall be sought from the Superintendent and confirmed in writing.

The Contractor must seek written approval at least 48 hours prior to the proposed additional working time.

1.9 CONTRACTORS REPRESENTATIVE

The Contractor shall nominate, in writing, an authorised representative for the Contract. The nominated representative shall be a person an experienced delivering similar Contract works.

The Contractor's nominated representative shall act as the primary contact for the Superintendent's Representative and be responsible for administering the Contract.

The Contractor's nominated representative shall supervise all subcontractors during delivery of the Contract Works. All queries from sub-contractors shall be directed to the Superintendent's Representative via the Contractor's representative.

1.10 CONTRACTOR CONTACTS

The Contractor shall provide phone and email contact details to enable the Contractor's nominated representative to be reliably contacted both within and outside of business hours.

The Contractor shall also supply the Superintendent's Representative with all key personnel's contact details to enable efficient contract management in addition to alternative contact options should the nominated representative be unavailable.

1.11 QLEAVE LEVY PAYMENT

The ~~contractor~~ Principal shall will be responsible for meeting all requirements and payment of the QLeave Levy for the personnel it employs for works associated with this Contract.

1.12 CONTRACT MANGEMENT PLAN SUBMISSION, REVIEW AND ENDORSEMENT

Management Plan Submission

The Contractor shall prepare and submit the following management plan documents to the Superintendent's Representative for review and endorsement, prior to the commencement of work on site:

- Work Health and Safety Management Plan
- Fatigue Management Plan
- NHVR Chain of Responsibility Management Plan
- Environmental Management Plan
- Quality Management Plan
- Temporary Traffic Management Plan

Each management plan shall comply with all relevant legislative and regulatory requirements and industry best practice standards. Each management plan shall as a minimum meet the requirements detailed in the Contract and be specific to the requirements of the Works Under Contract, work locations and scope of work. For the avoidance of doubt, each management plan document shall be contract specific and relate exclusively to the Works Under Contract and the location and circumstances within which the works will be undertaken.

Superintendent Endorsement

The Superintendent's endorsement of the submitted management plans shall signify that the plans have been reviewed to ensure they meet the general requirements of the Contract. The endorsement does not imply approval or acceptance of responsibility for the content or implementation of the plans.

The Contractor shall remain fully responsible for the adequacy, implementation, and management of all endorsed plans, and shall ensure that all construction activities are conducted in accordance with the endorsed plans.

Revisions and Updates

The Contractor shall promptly revise and update the management plans as necessary to address any changes in scope, site conditions, or regulatory requirements. All revisions and updates shall be submitted to the Superintendent's Representative for review and endorsement prior to implementation on site.

The Contractor shall maintain records of all revisions and provide the Superintendent's Representative with updated copies of the endorsed plans.

Non-Compliance

Failure by the Contractor to submit the required management plans for review and endorsement or to implement the endorsed plans in accordance with the requirements of the Contract may result in the

suspension of work, withholding of payments, or other remedies available to the Superintendent under the Contract.

Contractor's Responsibility

The Contractor acknowledges that the preparation, submission, and implementation of the management plans are solely the responsibility of the Contractor. The Superintendent's endorsement of the management plans does not relieve the Contractor of any responsibilities or liabilities under this Contract.

The Contractor is responsible for undertaking all training, workshopping, toolbox meetings and personnel engagement required to develop, document and maintain its management systems and documentation. All personnel present on site shall be inducted into the requirements of the Contractor's management systems in addition to routine site specific inductions.

The Contractor shall record and maintain all records associated with its implementation and compliance with the Contract Management Plans. The Contractor shall make all information and records available for audit and inspection if requested.

If the Contractor becomes aware of a non-conformance in the implementation of its management systems and/or a non-conformance is identified via third-party audit, the non-conformance shall be reported to the Superintendent at the earliest opportunity. The Contractor shall report the non-conformance to the Superintendent along with proposed remedial actions. The Contractor shall also report to the Superintendent when the non-conformance has been closed out and the measures implemented to prevent a reoccurrence.

General Management Plan Requirements

The Contractor shall comply with any reasonable direction given by the Superintendent or their representatives relating to the effective and appropriate implementation of management plan requirements.

The Contractor shall comply with the requirements of all local, state and federal legislation and regulations associated with the management and delivery of the Contract Works. All costs associated with the Contractor's compliance with these obligations shall be included in the tendered Contract rates.

1.13 NHVR CHAIN OF RESPONSIBILITY

The Principal considers the National Heavy Vehicle Regulator (NHVR) Chain of Responsibility regulations to be an important aspect of road safety for heavy vehicles and other road users. The Principal requires its contractors to implement, operate and maintain a comprehensive NHVR Chain of Responsibility Management Plan which helps to keep all road users safe.

Notwithstanding the requirements of Clause 1.12 Contract Management Plan Submission, Review and Endorsement the Contractor shall supply its Chain of Responsibility Management Plan to the Superintendent's Representative for review and endorsement prior to the commencement of work on site. The Contractor's Chain of Responsibility Management Plan shall ensure all personnel having Chain of Responsibility duties are identified and their roles and obligations clearly defined.

The Contractor shall ensure the Chain of Responsibility Management Plan and all work associated with delivery of Works Under Contract involving the use of heavy vehicles is undertaken in accordance with the requirements of the management plan and NHVR law.

The Contractor shall record and maintain all records associated with its implementation and compliance with the NHVR Chain of Responsibility Plan. The Contractor shall make all information and records available for audit and inspection if requested.

1.14 FATIGUE MANAGEMENT

The Principal recognises that fatigue is an important consideration within the overall management of work health and safety. This is particularly the case with the type of work being undertaken and the long distances within the Bulloo region. This means fatigue can be a significant factor when ensuring that the Works Under Contract are completed in a safe and efficient manner, while ensuring that all personnel arrive home safely.

Notwithstanding the requirements of Clause 1.12 Contract Management Plan Submission, Review and Endorsement the Contractor shall supply its Fatigue Management Plan to the Superintendent's Representative for review and endorsement prior to the commencement of work on site. The Fatigue Management Plan shall apply to all workers associated with the delivery of the Works Under Contract, regardless of their role.

The Contractor shall ensure that all work associated with the delivery of the Works Under Contract and any works requiring the use of heavy vehicles is undertaken in accordance with the requirements of Work Health and Safety legislation and the Fatigue Management Plan. The Fatigue Management Plan shall ensure it meets the requirements of, and addresses the work vs rest hours required under NHVR law.

The Contractor shall record and maintain all records associated with its implementation and compliance with the Fatigue Management Plan. The Contractor shall make all information and records available for audit and inspection if requested.

1.15 BIOSECURITY MANGEMENT

The Contractor shall take reasonable and practical steps to address and/or mitigate biosecurity risks. The Contractor shall manage and implement its biosecurity obligations under the Biosecurity Act 2014 (QLD) and the Bulloo Shire Council Biosecurity Plan 2022 Onwards.

The Contractor shall be aware of the potential risks associated with carriers and the movement and sourcing of materials, vehicles and machinery and the disturbance, import or export of soils. The Contractor shall ensure that where necessary appropriate measures are implemented that reduce or eliminate, where practicable, the chance of biosecurity risks being exacerbated or a contravention occurring.

1.16 TEMPORARY TRAFFIC MANAGEMENT

The Contractor shall supply, install and maintain all temporary traffic management (TTM) required to complete the Contract Works safely, in accordance with the adopted Temporary Traffic Management Plan (TTMP). The Contractor shall ensure that the endorsed TTMP and installed TTM meets the requirements of the Australian Standard AS 1742 "Manual of Uniform Traffic Control Devices" and the Queensland Department of Transport and Main Roads "Manual of Uniform Traffic Control Devices, MUTCD, Part 3 – Work on Roads.

The Contractor shall ensure that the worksite shall be left safe for traffic overnight and when the site is unattended. Any hazards shall be clearly signposted and appropriate traffic management provided.

The Contractor shall ensure that all excess materials from its works are removed from the road surface and disposed of in a suitable manner to the satisfaction of the Superintendent's Representative while the site is unattended and at the completion of work on site.

1.17 ACCOMMODATION CAMPS

Accommodation camps supplied by Contractor to house personnel delivering Contract works are to be fully self-contained and managed by contractor. The Contractor shall provide a standard of accommodation which allows all personnel to take care of themselves, rest and recover in a manner that helps to prevent and/or mitigate fatigue.

The Contractor shall only use approved locations for camps. The Contractor shall seek approval from the Superintendent for all proposed camp locations prior to the commencement of work on site. The Contractor shall ensure that the camp extent does not encroach or impact on previously uncleared or unused areas of land. In particular the Contractor shall ensure that no damage to the environment or disturbance to cultural heritage sites and/or artifacts occurs.

The Contractor shall ensure that all sites used for camps are left in a clean and tidy manner. All litter and waste produced by the Contractor's personnel in a camp shall be collected and managed by the Contractor and disposed of in an approved manner in accordance with BSC guidelines.

1.18 COMPLAINTS

The Principal will pass on to the Contractor the details of all complaints received, which are associated with the works. The Contractor shall maintain a record of all complaints received via the Principal or from members of the public. The Superintendent's Representative must be advised of all complaints received by the Contractor at the earliest possible opportunity.

The Contractor shall, if the complaint is genuine and with basis, respond to and address the cause of the complaint at the earliest possible opportunity. The Contractor shall notify the Superintendent's Representative when the cause of the complaint has been resolved and the details of the resolution.

1.19 APPROVALS AND OTHER LAW

Definitions

In this clause:

Approvals means *certificates, licenses, accreditations, clearances, authorisations, consents, permits, approvals, determinations and permissions from any Authority and any related fees and charges; and*

Authority means *any Federal, State, or local government authority, administrative or judicial body or tribunal, department, commission, agency, government owned corporation, statutory body or instrumentality or any other person having jurisdiction.*

Identifying, obtaining and maintaining Approvals

The Contractor shall identify and notify the Principal of all Approvals which are necessary for the completion of Contract Works (other than Approvals which the Principal has advised the Contractor it has already obtained). The Contractor must obtain and maintain all such Approvals until all of the Contractor's other obligations under the Contract are complete. The cost of obtaining and maintaining all such Approvals shall be borne by the Contractor.

Compliance

The Contractor shall and must ensure that its Personnel comply with all Approvals and other laws which are in anyway applicable to the delivery of the Contract Works, including, unless the Contract expressly provides otherwise, by paying all fees, royalties, levies, charges, costs, expenses, taxes or duties.

Obtaining or Granting of Approvals by Principal

The Principal gives no warranty and makes no representation that it will be able to obtain, or obtain within any particular timeframe; or where the principal is the relevant Authority, that it will grant, any Approval required for the Contractor to perform the Services.

No fetter

Nothing in the Contract shall be taken to fetter the power, rights or authority of the Principal as the sublessor under the *Land Act 1994 (Qld)* or an Authority under the *Local Government Act 2009 (Qld)*, the Local Government.

1.20 POSSESSION OF SITE

Granting of Possession of Site will be in accordance with the requirement of Volume 2 Conditions of Contract Annexure A Item 22 Time for Giving Possession. The Contractor shall not commence physical works on site until the Superintendent has granted Possession of Site in writing.

The Superintendent may negotiate and agree alternative Possession of Site arrangements with the Contractor if site conditions and the progress of other works facilitate alternative arrangements. The Superintendent will not consider claims by the Contractor due to a change to the Possession of Site date.

SECTION 2 – SERVICE LEVELS AND QUALITY

2.1 SERVICE LEVEL, SCOPE AND QUALITY

The Contractor shall ensure that the specified Contract Works are delivered in accordance with the requirements of the Contract, within the required timeframe and to the required quality standards. The table below details the requirements and standards, against which the Contractor will be assessed.

The Superintendent’s Representative will review the Contractor’s delivery performance of the Contract Works against the following Service Levels at the frequency stated in the table below. The Superintendent may seek a written explanation and proposed solution from the Contractor if any Service Levels detailed below are breached or the completed work does not meet the specified standards.

Service Level	Requirement	Review Period
Delivery of program accepted by superintendent	As per contractor program supplied at time of tender award	Reviewed at progress meetings held at start of each agreed day of roster commencement.
Scope of works delivery	In accordance with scope “long form” of each treatment type. Refer Appendix B QRA Treatment Guide	Review at daily inspections with Superintendent Representative
Quality of works	In accordance with SWRRG and MRTS Specifications	Review at daily inspections with Superintendent Representative

2.2 QUALITY AND CONFORMANCE

The Works Under Contract will be supervised by the nominated Superintendent’s Representative(s).

The Contractor shall report to Superintendent’s Representative daily regarding the progress and completion of works on site. The Contractor shall submit for review on a weekly basis, on the first working day of the week, as a minimum, the previous weeks tip and load sheets, and water usage records.

The Superintendent’s Representative will be required to sign off Hold Points and complete Inspections of the Contractor’s works at the times and work stages detailed below. The Contractor shall provide 48 hours notice when the works are ready for hold point or final inspection.

Work	Work Stage	Inspection / Hold Point
All works	Lot Identification	Hold Point
	Set out of works	Hold Point
Subgrade / Embankment	Subgrade preparation (shape, level and density)	Hold Point
Material Quality (All Works)	Use of quarry or material source	Hold Point
	Compliance of all materials prior to their haulage to the works	Hold Point
	Pavement density (proof roll)	Inspection

Work	Work Stage	Inspection / Hold Point
Pavement (in addition to Subgrade)	Geometry (finished surface shape, alignment and level)	Inspection
	Depth of granular pavement material	Inspection
All Works	Non-conformance to any specified criteria	Hold Point
	Final Inspection prior to practical completion	Hold Point
	Practical Completion prior to leaving the site	Inspection

SECTION 3 – SITE WORKS

3.1 ORDER OF WORK

The Contractor shall ensure the Works Under Contract are undertaken in accordance with the following work order requirements.

- The Contractor shall undertake all material haulage works as the first site based activity associated with the delivery of the Works Under Contract.
- All material haulage works shall be completed within five weeks of the commencement of work on site.
- The Contractor shall ensure the completion of Contract roadworks does not adversely impact on material haulage operations.
- Where required material haulage operations shall take precedence over roadworks to ensure their completion within the four week timeframe.

The requirements of this clause apply only to the following Contract work packages:

- Toona Gate Road & Omicron Road
- Orientos Road
- Epsilon Road

3.2 WORKS PROGRAM AND PROGRESS

Works Program

The Contractor shall submit to the Superintendent's Representative for review, a detailed works program within ten days of the date of contract award. The works program shall include the following information:

- Detailed activities for all construction works.
- Activity dependencies.
- Critical path activities identified for the Works and any Separable Portion of the Works.
- Activity duration indicating the start and finish dates for each activity.
- Milestones which identify significant events including completion of Separable Portions.
- Allowance for adverse weather.
- Non-work periods.

The Contractor's works program should reflect delivery from furthest site to the closest, where possible, to avoid cartage over recently completed work.

The Contractor shall ensure that all works are complete on each road and have been approved by the Superintendent's Representative prior to work commencing on a new road.

The submitted construction program will be reviewed by the Superintendent's Representative. If the Superintendent's Representative considers that the submitted works program or any subsequent revision does not show sufficient details, or is impractical, or does not comply with the requirements of the Contract, or will not result in completion of the Contract Works by the Date for Practical Completion, the Superintendent may direct the Contractor to revise and resubmit to the Superintendent an amended works program within five business days for further review.

Works Progress

The Superintendent's Representative will monitor the Contractor's progress against the agreed works program throughout the contract period.

The Contractor shall note that if the Principal or Superintendent is not satisfied with the Contractor's progress compared to the agreed works program, the Contractor will be requested to demonstrate how the works will be brought back onto schedule.

If the Contractor is unable or unwilling to bring the works back onto schedule in accordance with the agreed works program to the satisfaction of the Principal or Superintendent, or if it is considered that the work cannot be completed by the Date for Practical Completion, additional resources may be procured by the Principal,

and a separable portion of the Contract Works may be awarded to a third party to meet works delivery time constraints.

3.3 ADVERSE WEATHER

Notwithstanding the requirements of Clause 34A Delay Costs the Contractor shall make allowance in the submitted works program for adverse weather and the effects of the adverse weather. The Contractor shall make the following allowances for adverse weather in the submitted works program.

Work Zone	Adverse Weather Allowance
Orientos Road	10 Working Days
Epsilon Road	10 Working Days
Bransby Santos Road	10 Working Days
Omicron Road & Toona Gate Road	10 Working Days
Cameron Corner Road	10 Working Days

The adverse weather allowance does not include allowance for periods when works are suspended due to adverse weather. This allowance is included in the Contract duration and is not to be construed as the actual time lost due to adverse weather conditions likely to be encountered during the Contract.

The Contractor's representative shall notify the Superintendent's Representative immediately of any time lost due to adverse weather conditions and shall confirm such notification in writing within five business days. The confirmation shall provide details of the nature and extent of delays and the construction activities affected. The Superintendent, if satisfied that the Contractor has taken reasonable steps to minimise the period of delay, will certify at the end of each month an appropriate period of time lost and will issue to the Contractor a monthly summary of certified time lost. The maximum period of time which will be certified on any working day will be ten hours.

Where the Contractor is required to provide a construction program, only delays affecting critical activities will be considered as time lost due to adverse weather conditions.

If the total period of time certified exceeds the total allowance for the Contract Works specified above, the Superintendent's Representative will, in accordance with the General Conditions of Contract, grant an extension of time for completion of the Contract Works on the basis of one working day for each ten hours of certified time in excess of the allowance. No extension of time will be granted until the total excess period equals ten hours or a multiple thereof. Periods of less than ten hours' duration shall accrue to form part of any subsequent extension of time.

No additional payment for costs arising from extensions of time granted due to excess adverse weather will be made.

3.4 COMMENCEMENT OF WORK

The Contractor shall provide 72 hours' notice of the intention to commence work on a new site. Notification shall be provided to the Superintendent's Representative in writing.

3.5 WORK TIMEFRAMES

Notwithstanding the requirements of Clause 39.2 Contractor's Default Parts c) and d) the Contractor shall ensure that all works are completed in a timely and efficient manner to enable overall Contract timeframes to be met.

3.6 WORK TO BE DONE BY OTHERS

The Contractor shall note that amongst other activities, the Principal has routine maintenance contractors for road work. The Principal also employs its own maintenance crews who also maintain the road network. The Contractor may from time to time be required to share use of the worksite and stockpile sites with other contractors and/or Council work crews.

The Principal has in place or will award other roadworks contracts to construct, upgrade and/or repair its road network. The Contractor may from time to time be required to share use of the worksite and stockpile sites with other contractors and/or Council work crews. In addition the Contractor's worksite may be impacted by other parties transporting plant, equipment, materials and personnel required to complete works not associated with this Contract.

The Contractor shall ensure it does not delay or hinder the works of others and works collaboratively with other contractors and Council personnel to enable all works to be delivered in a safe, efficient and timely manner. The Contractor shall ensure that sufficient documentary photos and records are taken and kept throughout the Contract Period. This is to ensure that any abnormal damage or degradation of completed works can be identified, quantified and substantiated.

3.7 UTILITY SERVICES

The Contractor shall be responsible for identifying utility services on site and any special requirements the various utility service authorities have concerning works in the vicinity of their assets.

The Contractor shall take account of any identified restrictions to the works when pricing work packages. Any costs associated with complying with the identified restrictions shall be included in the quotes for the relevant work package and identified as a separate cost.

The Contractor shall also note and account for the presence of private utilities within the road reserve, such as water supply pipes for stock or irrigation purposes. The Contractor shall note that private utilities of this nature are unlikely to be present on Before You Dig plans. The Contractor shall ensure that appropriate measures are taken to ensure that any such utility services are not damaged as a result of the Contract Works.

3.8 ELECTRONIC RECORDS AND INFIELD APP

The Principal, via the Superintendent's Representative, uses an infield data capture and works management application. The data collected by the application program is used to provide reports internally, and externally to other agencies, on the progress of Contract works. The Contractor and its personnel shall be required to use the application program daily as part of works delivery.

The app is used to provide and confirm information about the approved works along with recording the completed works, materials used and problems encountered. The app will also be used by the Superintendent's Representative to record inspections completed and final approval of completed works for payment claims.

The Contractor shall supply suitable Android phones or tablets to site personnel to enable the application program to be installed and appropriate login details provided.

The Superintendent's Representative will provide training to the contractor's personnel on the usage and Principal's expectations of application program. Additional training relating to the usage and expectations for the application program will be provided as required by the Superintendent's Representative.

The application used by Bulloo Shire Council is Fulcrum App.

3.9 WORK SET OUT AND LOT IDENTIFICATION

The initial identification and set out of work sites will be undertaken by the Superintendent's Representative. The set out will include the following:

- Queensland Reconstruction Authority site Identification number
- Chainage start and end.
- Direction of works.
- Treatment type – (QRA) Contract Treatment Code.

Appendix C contains an example template depicting the standard manner in which pegs are set out and the detail contained on them.

The Contractor shall check and confirm all work details at each site, prior to the commencement of work at a site. If discrepancies are identified, they shall be immediately communicated to the Superintendent's Representative and direction sought.

3.10 GRANULAR PAVEMENT MATERIAL SOURCES AND ACCESS

Granular pavement material shall be sourced from Principal nominated gravel pits, unless directed otherwise by the Superintendent's Representative. The nominated source of granular pavement material for each worksite is detailed in the Pricing Schedule. Granular pavement material shall be loaded and supplied to worksites by the Contractor.

Granular Pavement Material Procurement

All pavement material required to complete the Contract will be stockpiled at the nominated gravel pit sites, ready for loading and haulage by the Contractor.

The Contractors shall provide at least 72 hours notice to the Superintendent's Representative of the intention to procure material from a nominated gravel pit.

Granular Pavement Material Records

The Contractor shall record the quantity of all material sourced from each gravel pit. The quantity measure shall be recorded via the weight of material removed from the pit.

The Contractor shall keep records of all granular pavement material used for the delivery of the Contract works. All records shall be supplied to the Superintendent's Representative on a weekly basis. The records supplied shall detail the following information as a minimum:

- Quantity of material loaded and delivered to site.
- Source of the materials.
- Location that the material is being delivered to.
- Roads used for carting materials.

Gravel Pit Access

The Contractor shall be responsible for facilitating access to the nominated pit. The Contractor shall maintain the access road to the pit and ensure no damage occurs from the extraction operations to support the Contract works. The Contractor shall undertake any required maintenance to the access road before, during and upon completion of the extraction operations to ensure safe access to the pit is maintained.

3.11 MATERIAL BULK DENSITY AND BULKING FACTOR

The Contractor shall complete work associated with the Contract using a nominated bulk density material rate and bulking factor as detailed below.

Material Bulk Density	2.2T/m ³
Material Bulking Factor	30%

3.12 PAVEMENT AND MATERIALS TESTING

The Principal may elect to undertake material and/or pavement testing throughout the Contract Period on any of the worksites. The Principal will pay the costs associated with completion of the testing work.

The Contractor shall ensure the Principal is afforded the time and safe worksite area to undertake the required material sampling and/or testing. The Contractor shall not be entitled to costs or an extension of time to provide the assistance and/or worksite area required to facilitate the testing work to be completed.

The Contractor shall be responsible for all costs associated with the rework or replacement of sub-standard materials and/or completed work where test results do not meet the specified limits.

The Contractor shall ensure that only fit-for-purpose materials which meet the specification requirements are utilised to deliver the Contract works. If materials are identified, without testing occurring, that appear to not meet the required quality or specification requirements, the Contractor will be required to provide test results to prove suitability or replace the materials at its expense with mutually agreed suitable materials.

3.13 WATER PROCUREMENT

The Contractor shall be responsible for sourcing and supplying all water required for completion of the Contract works.

Creeks and Rivers

Extraction of water from creeks and rivers will require a written permit from the relevant authority. The Contractor is responsible for applying and obtaining any permit(s) to extract the water required to complete the Contract works. The Contractor shall pay all costs associated with obtaining and meeting the ongoing compliance requirements of the permit(s). The Contractor shall supply a copy of the permit to the Superintendent's Representative within ten working days of its receipt and prior to the extraction of any water.

Private Sources

If the Contractor wishes to obtain water from private property, the Contractor shall negotiate the use and extraction of the water with the property owner. The Contractor shall pay all costs sought by the property owner for the extraction and use of the water. The Contractor shall ensure the details of the agreement with the private property owner are documented in writing. The Contractor shall supply a copy of the written agreement to the Superintendent's Representative within ten working days of the agreement's finalisation and prior to the extraction of any water.

3.14 HAUL ROADS

The Contractor shall be responsible for the condition and maintenance of haul roads used for the delivery of the Contract works. Maintenance works shall include, but not be limited to:

- The use of water carts to maintain the road surface and for dust suppression.
- Grading of the road surface to remove potholes, corrugations and reinstate shape.

The Contractor shall complete prior to the use of all haul roads an existing condition report to identify the current condition. The Contractor shall repair, at its cost, any damage caused by haulage operations.

Haulage of materials shall not occur during the following periods or situations:

- On closed roads as defined by the BSC Road Report.
- During periods of wet weather.
- On roads affected or damaged by wet weather.
- Between the hours of 6pm and 6am during delivery of the Contract works.

The Contractor's Tendered rates shall allow for maintenance works to be undertaken on all haul roads utilised in the delivery of the Works Under Contract.

3.15 TURN AROUND FACILITIES

Contractors shall only utilise existing turnaround facilities across the Principal's road network. The Contractor shall not form new turnaround facilities unless specific approval for each facility is provided in writing by the Superintendent's Representative.

The Contractor's Tendered rates shall include all costs associated with material haulage and trafficking between turnaround areas. The Contractor shall make allowance for any impact on production rates and the Contract program of the need to account for any extra distance and inefficiencies introduced by the location of approved turn around facilities.

3.16 BRANSBY SANTOS ROAD MAINTENANCE

It is anticipated that Bransby Santos Road will be used by the Contractors delivering the Orientos Road and Epsilon Road works at the same time. To ensure there is a fair split between maintenance responsibilities for the road, the Contractors shall share maintenance responsibility in the following manner:

- Epsilon Road Contract – Responsible for maintenance for chainages 0.0 to 30.0km
- Orientos Road Contract – Responsible for maintenance for chainage 30.0 to 60.0km

The works undertaken on Bransby Santos Road shall be in accordance with the requirements of Clause 3.14 Haul Roads. The Superintendent reserves the right to ensure a consistent standard is maintained between the two Contractors and may request additional works to be undertaken to address any inconsistency identified.

If the Contractor or the Superintendent identifies another similar situation to that of Bransby Santos Road, a similar sharing arrangement will be implemented.

SECTION 4 – FORMATION CONSTRUCTION

4.1 UNSUITABLE SUBGRADE MATERIAL

The Contractor may encounter patches where the road subgrade material is unsuitable for pavement restoration works to occur upon. Where directed by the Superintendent's Representative the Contractor shall remove unsuitable subgrade material to an agreed depth. The Contractor shall seek approval from the Superintendent's Representative prior to replacement of subgrade material as to the suitability of the excavation subgrade.

The Contractor shall supply and place approved geotextile material prior to back filling the removed subgrade material with approved granular pavement material. The Contractor shall place and compact, at optimum moisture level, all materials in layers not greater than 100mm compacted depth.

The Contractor shall capture photos and document all details of unsuitable subgrade materials, its removal and the replacement with suitable material to ensure that the work can be claimed via QRA variation processes and meets their requirements. Photos and documentation shall include all parts of the process from site identification, through removal, to the replacement and completion of the work.

4.2 SUBGRADE MATERIAL REHABILITATION

The Contractor may encounter patches where the road subgrade material is initially unsuitable for rehabilitation works to occur upon but does not require removal. Where directed by the Superintendent's Representative the Contractor shall rehabilitate unsuitable subgrade material to an agreed depth.

The Contractor shall treat identified subgrade areas with the specified 70/30 cement/fly ash treatment at a rate of 2% by mass of stabilised material, approved by the Superintendent's Representative. Following treatment the subgrade shall be compacted in accordance with the requirements of the Specification, to the satisfaction of the Superintendent's Representative.

The Contractor shall seek approval from the Superintendent's Representative prior to replacement of pavement material as to the suitability of the treated subgrade for construction to occur upon.

Payment for work associated with treatment of unsuitable subgrade material will be made in accordance with the requirements of the Contract using tendered Provisional Quantity rates.

4.3 BULK FILL

The Contractor shall undertake bulk fill works along the sections of road specified in the Contract. The work shall be completed in accordance with the requirements of QRA treatment type Bulk Fill. The Contractor shall complete the following works.

- Supplying and hauling bulk fill material to the site.
- Preparing the underlying subgrade material to receive the fill material.
- Placement, compaction, and trimming of the fill material to the specified level.

Bulk fill shall be used to reinstate roads in the following manner.

- To a road's natural surface level for unformed roads
- To the top of formation for formed roads.
- To the top of the road subgrade for gravel and sealed roads or table drains.

The Contractor shall obtain approval from the Superintendent for the intended material source to ensure that the fill material used is consistent with the displaced or scoured material. The Contractor shall note the intended source of bulk fill material as specified in the Works Schedule, local or imported.

Locally sourced bulk fill material shall be obtained from the road reserve in accordance with the requirements of Standard Drawing SSD-001 provided in Appendix D Standard Drawing and as agreed with the Superintendent.

Finished road surface crossfall shall be 5% on straight sections to allow for effective drainage of the road surface.

Finished road surface superelevation within bends, shall ideally be constructed with a grade of 6% and not be greater than 7% in any location. The Contractor shall ensure that transitions to and from superelevated road cross sections are shaped in a manner that does not cause adverse stability issues for vehicles with high centres of mass.

The Contractor shall also ensure that filled areas match the adjacent table drain or allow the finished pavement surface to match the adjacent table drain which allows effective drainage of the road and shoulder areas.

Payment for bulk filling work will be made in accordance with the applicable tendered rate in Schedule K1.

SECTION 5 – PAVEMENT CONSTRUCTION

5.1 MEDIUM FORMATION GRADING

The Contractor shall undertake medium formation grading works along the sections of road specified in the Contract. The work shall be completed in accordance with the requirements of the QRA treatment type Medium Formation Grading. The Contractor shall complete the following works.

- Scarify the road surface to a depth of 50mm using a grader.
- Clear and grub the site to enable recovery of suitable material from table drains for incorporation into the road pavement.
- Shape and compact the material to restore the road surface to its pre-disaster profile and condition.

Medium formation grading does not include the importation of additional material. All grading works shall ensure the finished surface is free from significant deviations in longitudinal and horizontal geometry, providing a smooth and safe wearing course.

The Contractor shall also ensure that completed grading areas match the adjacent table drain and allow effective drainage of the road and shoulder areas.

Finished road surface crossfall shall be 5% on straight sections to allow for effective drainage of the road surface.

Finished road surface superelevation within bends, shall ideally be constructed with a grade of 6% and not be greater than 7% in any location. The Contractor shall ensure that transitions to and from superelevated road cross sections are shaped in a manner that does not cause adverse stability issues for vehicles with high centres of mass.

Payment for medium formation grading will be made in accordance with the applicable tendered rate in Schedule K1.

5.2 HEAVY FORMATION GRADING

The Contractor shall undertake heavy formation grading works along the sections of road specified in the Contract. The work shall be completed in accordance with the requirements of QRA treatment type Heavy Formation Grading. The Contractor shall complete the following works.

- Scarify the road surface to a depth of 150mm using a grader to reinstate the road formation and longitudinal and horizontal geometry.
- Clear and grub the site to enable recovery of suitable material from table drains for incorporation into the road pavement.
- Where specified, additional granular pavement material shall be incorporated into the road surface to achieve the specified profile.
- Shape and compact the material to restore the road surface to its pre-disaster profile and condition.

All grading works shall ensure the finished surface is free from significant deviations in longitudinal and horizontal geometry, providing a smooth and safe wearing course.

Finished road surface crossfall shall be 5% on straight sections to allow for effective drainage of the road surface.

Finished road surface superelevation within bends, shall ideally be constructed with a grade of 6% and not be greater than 7% in any location. The Contractor shall ensure that transitions to and from superelevated road cross sections are shaped in a manner that does not cause adverse stability issues for vehicles with high centres of mass.

The Contractor shall also ensure that completed grading areas match the adjacent table drain and allow effective drainage of the road and shoulder areas.

Payment for heavy formation grading will be made in accordance with the applicable tendered rate in Schedule K1.

5.3 GRAVEL RESHEETING

The Contractor shall undertake gravel resheeting works along the sections of road specified in the Contract. The work shall be completed in accordance with the requirements of QRA treatment type Gravel Resheeting. The Contractor shall complete the following works.

- Preparation of the existing road formation through heavy formation grading.
- Supply and spread imported granular pavement material to reinstate the road surface and correct profile to the specified compacted depth.
- Shape and compact the material to restore the road surface to its pre-disaster profile and condition.

All grading works shall ensure the finished surface is free from significant deviations in longitudinal and horizontal geometry, providing a smooth and safe wearing course.

Finished road surface crossfall shall be 5% on straight sections to allow for effective drainage of the road surface.

Finished road surface superelevation within bends, shall ideally be constructed with a grade of 6% and not be greater than 7% in any location. The Contractor shall ensure that transitions to and from superelevated road cross sections are shaped in a manner that does not cause adverse stability issues for vehicles with high centres of mass.

The Contractor shall also ensure that resheeted areas match the adjacent table drain and allow effective drainage of the road and shoulder areas.

Payment for gravel resheeting will be made in accordance with the applicable tendered rate in Schedule K1.

5.4 SHOULDER WORKS – HEAVY SHOULDER GRADING

The Contractor shall undertake heavy shoulder grading works along the sections of road specified in the Contract. The work shall be completed in accordance with the requirements of treatment type ST11 Heavy Shoulder Grading.

Shoulder Material

Where possible the Contractor shall recover as much suitable pavement material as possible from adjacent table drains, for reuse on the damaged shoulder areas. If the recovered material is not suitable for reuse it shall be removed from site and disposed of in an approved manner.

The Contractor shall import new granular pavement material to the site if replacement or additional material is required to reinstate the road shoulder. The tendered Contract rates allow for up to 50mm compacted depth of granular pavement material to be supplied and placed on areas where additional material is required.

If further material is required, in addition to the specified 50mm, the Contractor shall seek approval from the Superintendent's Representative to supply and place the additional material. Additional granular pavement material will be paid for in accordance with the rate tendered in Item 4.2.4 in Attachment 1 Pricing Schedule.

Shoulder Construction

Completed shoulders shall match the pavement edge, ensuring there is no drop between the adjacent wearing course pavement surface and unsealed shoulder surface. Shoulders shall allow the wearing course surface to be free draining and not be left higher than the adjacent wearing course pavement surface, creating a dam.

Shoulder crossfall shall be between 1% and 2% greater than the adjacent road crossfall. For example, if the adjacent road crossfall is 3% then the shoulder area crossfall requires a completed surface crossfall of between 4% and 5%.

The Contractor shall also ensure that completed shoulder areas match the adjacent table drain and allow effective drainage of the road and shoulder area.

5.5 PAVEMENT RECONSTRUCTION

Road reconstruction works shall be undertaken where the road has been identified as unsuitable for restoration or patching works to occur upon. The Contractor shall remove unsuitable pavement material to the specified

depth. The Contractor shall seek approval from the Superintendent's Representative prior to replacement of pavement material as to the suitability of the excavation subgrade.

The Contractor shall supply, place and compact approved pavement material at optimum moisture level. All pavement materials shall be placed in layers not greater than 100mm compacted depth.

Granular pavement material removed from the road pavement and deemed unsuitable for reuse shall be removed from site and disposed of by the Contractor in an approved manner at the Contractor's expense.

Road Reconstruction

The reconstructed road surface shall meet the appropriate minimum and maximum horizontal and vertical grade requirements. The following situations shall

- Minimum straight road crossfall – 1.0%
- Maximum straight road crossfall – 3.0%
- Minimum superelevation – 3.0%
- Maximum superelevation – 6.0%

In situations where short road sections are being reconstructed, and the adjacent existing road geometry does not match the above minimum and maximum horizontal and vertical grade requirements, the existing road profile shall be matched to ensure no sudden geometry changes which may cause vehicle instability.

The Contractor shall also ensure that completed reconstructed road pavement area match the adjacent table drains and allow effective drainage of the road and shoulder area.

The Contractor shall ensure that all reconstructed road pavement areas are swept following completion of reconstruction works. The road wearing course shall be swept to ensure that loose material is not left on the road surface upon completion of work on site.

5.6 UNSUITABLE PAVEMENT MATERIAL

For pavement reconstruction work where the road pavement material has been identified as unsuitable for restoration works to occur upon. The Contractor shall remove unsuitable pavement material to the specified depth. The Contractor shall seek approval from the Superintendent's Representative prior to replacement of pavement material as to the suitability of the excavation subgrade.

The Contractor shall supply, place and compact approved pavement material at optimum moisture content. All pavement materials shall be placed in layers not greater than 100mm compacted depth.

Granular pavement material removed from the road pavement and deemed unsuitable for reuse shall be removed from site and disposed of by the Contractor in an approved manner at the Contractor's expense.

Payment for work associated with unsuitable material will be made in accordance with the requirements of the Contract using tendered rates.

SECTION 6 – SURFACE TREATMENTS

6.1 FINISHED SURFACE

The quality and integrity of the finished wearing course surface following the completion of works is an important feature of the road. The finished surface of all unsealed wearing courses shall be completed in manner that ensures the following requirements are achieved:

- The wearing course surface of the treated area provides a smooth and safe interface with the surface of the adjacent untreated roadway.
- The Contractor shall ensure that the finished road surface is free draining with no ponding of water.
- The Contractor shall ensure that the finished pavement levels match all driveways and accesses to property.
- The Contractor shall ensure that the finished pavement levels match all intersections and side roads.
- The quality of surface finish for unsealed surfaces shall match the existing road surfacing and provide improved performance in terms of water and skid resistance.
- The type of surfacing and quality of surface finish for sealed surfaces shall match the existing road surfacing and provide improved performance in terms of water and skid resistance.
- The finished surface of pavement restoration work shall match the longitudinal grade and superelevation or crossfall of the surrounding pavement wearing course.

SECTION 7 – DRAINAGE WORKS

7.1 TABLE DRAINS AND MITRE DRAINS

The Contractor shall undertake the cleaning, repair, reconstruction, and reprofiling of all table drains where specified, in accordance with the requirements detailed in the Contract and the QRA Treatment Guide. All works shall ensure the effective collection and discharge of surface water to prevent ponding, erosion or damage to the adjacent road surfaces and infrastructure.

Extent of Works

The scope of works includes, but is not limited to:

Cleaning: Removal of accumulated silt, debris, and vegetation that obstructs the flow within the table drains. Cleared material shall be disposed of in a manner approved by the Superintendent's Representative.

Repair: Repair of eroded or undermined sections of the table drains. This includes backfilling of scoured areas with approved materials to reinstate the original formation.

Reconstruction: Where required, reconstruction of table drains to ensure uniform depth and alignment is achieved. This shall involve re-excavation, shaping, and stabilisation of drain batters.

Reprofiling: Reprofiling of table drains to restore the correct cross-sectional shape, gradient, and longitudinal fall. The reprofiled drain shall maintain a minimum gradient to ensure effective drainage and shall be matched to adjacent road formation levels.

Drain Cross-Section

All table drains shall be constructed with a minimum base width of 1 meter, where practical, and side slopes not steeper than 1:3. Drain depth shall be maintained to a minimum of 150mm below the adjacent road formation to ensure effective water collection.

Mitre Drains

The Contractor shall ensure that existing mitre drains are cleaned, repaired and reprofiled to allow captured water in the table drains to be directed away from the road. The reinstated mitre drains entrance shall be profiled in a manner which prevents water from bypassing it and flowing further along the road. The mitre drain shall be installed in a manner which prevents water from re-entering the road formation further downstream.

Inspection and Approval

The Contractor shall notify the Superintendent's Representative when repaired table drains are ready for inspection. All completed works shall be inspected and approved by the Superintendent's Representative prior to progressing to subsequent construction activities.

Measurement and Payment

Payment for cleaning, repairing, reconstructing, and reprofiling table drains shall be made in accordance with the applicable rates in Schedule K1 – Contract Works Pricing Schedule. The tendered rate shall include all costs associated with labour, materials, plant, overheads, and any other resources necessary to complete the specified works.

SECTION 8 – INCIDENTAL WORKS

8.1 GUIDEPOSTS AND MARKERS

The Contractor may need to remove and replace guideposts and/or markers to complete the specified works safely and effectively. Existing guideposts and/or markers requiring removal and replacement shall be agreed in advance with the Superintendent's Representative.

The Contractor shall ensure that the method of guidepost and/or markers removal and replacement used does not damage the post. The Contractor must notify the Superintendent's Representative if any damaged and/or missing posts and/or markers are identified to seek approval for replacement posts and/or markers to be installed. The replacement posts and/or markers shall be approved and meet the requirements the Principal and be the same type of post used across the Principal's road network.

The Contractor shall supply and install new guideposts and/or markers in the identified locations and accordance with the requirements of the Contract.

8.2 SIGNS

The Contractor may be required to install signs as part of the Contract works. Where the installation of signs is required, the Principal will supply the signs for the Contractor to collect and install. The Contractor shall supply all materials, fixtures and fittings required to complete the installation in accordance with the appropriate Australian Standards.

8.3 GEOTEXTILE MATERIAL

The Contractor shall supply and place geotextile material in locations identified by the Superintendent's Representative. The Contractor shall use, upon approval of the Superintendent's Representative, Tensar TriAx TX-G geotextile material or a similar product that meets the same specification requirements.

8.4 BULK EXCAVATION – SURPLUS MATERIAL TO SPOIL

The Contractor shall undertake bulk excavation to remove surplus material from the specified location in accordance with the QRA Treatment Guide. Excavation shall be completed to the required depth, with unsuitable or excess material loaded and transported to an approved disposal site. The Contractor shall ensure the excavation work does not undermine adjacent structures, vegetation or compromise the integrity of the existing road formation.

The Contractor shall take all necessary precautions to prevent contamination of adjacent areas and waterways and ensure that all excavated material is removed and disposed of in accordance with environmental and regulatory requirements. The worksite shall be left in a stable and clean condition, with no identified material remaining.

Notwithstanding the requirements of this Clause the Contractor may elect to use the excavated material within the road reserve and/or formation. Any material proposed to be used within the road reserve and/or formation shall be suitable for the proposed use. Any material determined to not be suitable for reuse in the road reserve and/or formation shall be removed from site in accordance with the requirements of this Clause.

Reshape Road Formation Batters

Excavated material may be used to reshape and reinstate road formation batters to provide a consistent treatment and surface. The reshaping of road formation batters shall only be undertaken in locations where it is required due to recorded or unrecorded damage, enhances road safety and does not adversely impact on drainage. Batter reshaping works shall only be undertaken following approval from the Superintendent and agreement of the areas to be treated.

Road Formation Works

Excavated material may be used within the road formation to reinstate and reshape the road formation prior to the placement of other materials or treatments upon the road. The reinstatement and reshaping of road

formation batters shall only be undertaken in locations where it is required due to recorded or unrecorded damage, enhances road safety and does not adversely impact on drainage. Reinstatement and reshaping works shall only be undertaken following approval from the Superintendent and agreement of the areas to be treated.

Fill Material

Excavated material may be used within the road reserve and/or formation as fill material if it is deemed suitable for use. The placement of fill material into the road formation and/or road reserve shall only be undertaken in locations where it is required due to recorded or unrecorded damage, enhances road safety and does not adversely impact on drainage. Fill placement works shall only be undertaken following approval from the Superintendent and agreement of the areas to be treated.

The Superintendent will not consider claims from the Contractor associated with the use of bulk excavated material within the road reserve and/or formation. All costs associated with the use of material within the road reserve and/or formation, if allowed, will be deemed to be included in Tendered rates for the removal and transport from site of the excavated material.

8.5 BULK EXCAVATION – SURPLUS MATERIAL REMOVE FROM SITE

The Contractor shall clear mixed debris, including vegetation, loose material, and obstructions, from the identified areas in accordance with the QRA Treatment Guide. All debris shall be safely removed from the road reserve, waterways, drainage lines, and other affected locations, ensuring that no residual material obstructs traffic, drainage, or ongoing maintenance activities.

Debris shall be transported to an approved disposal site, with all removal activities completed in compliance with environmental and WHS regulations. The Contractor shall take care to minimise disturbance to the adjacent road infrastructure and vegetation during the clearing process and ensure that the area is left in a tidy and safe manner.

Notwithstanding the requirements of this Clause the Contractor may elect to use the excavated material within the road reserve and/or formation. Any material proposed to be used within the road reserve and/or formation shall be suitable for the proposed use. Any material determined to not be suitable for reuse in the road reserve and/or formation shall be removed from site in accordance with the requirements of this Clause.

Reshape Road Formation Batters

Excavated material may be used to reshape and reinstate road formation batters to provide a consistent treatment and surface. The reshaping of road formation batters shall only be undertaken in locations where it is required due to recorded or unrecorded damage, enhances road safety and does not adversely impact on drainage. Batter reshaping works shall only be undertaken following approval from the Superintendent and agreement of the areas to be treated.

Road Formation Works

Excavated material may be used within the road formation to reinstate and reshape the road formation prior to the placement of other materials or treatments upon the road. The reinstatement and reshaping of road formation batters shall only be undertaken in locations where it is required due to recorded or unrecorded damage, enhances road safety and does not adversely impact on drainage. Reinstatement and reshaping works shall only be undertaken following approval from the Superintendent and agreement of the areas to be treated.

Fill Material

Excavated material may be used within the road reserve and/or formation as fill material if it is deemed suitable for use. The placement of fill material into the road formation and/or road reserve shall only be undertaken in locations where it is required due to recorded or unrecorded damage, enhances road safety and does not adversely impact on drainage. Fill placement works shall only be undertaken following approval from the Superintendent and agreement of the areas to be treated.

The Superintendent will not consider claims from the Contractor associated with the use of bulk excavated material within the road reserve and/or formation. All costs associated with the use of material within the road reserve and/or formation, if allowed, will be deemed to be included in Tendered rates for the removal and transport from site of the excavated material.

SECTION 9 – MEASUREMENT AND PAYMENT

9.1 GENERAL

This section covers the requirements for measurement and computation to be used in the determination of quantities of materials furnished and work performed under the Contract and provides the basis for payment.

Except for the specific items listed in this section, or unless otherwise specified, lengths and areas will be measured in the horizontal plane.

Where payment is made at rate per unit, payment will be made at the relevant tendered rate for the measured quantities of materials supplied and work performed in accordance with the requirements of the Contract.

9.2 PREPARATION AND MAINTENANCE OF MANAGEMENT SYSTEMS

No separate payment shall be made for the costs of work associated with planning, establishing, implementing and maintaining Contract Management Systems. All costs associated with planning, establishing, implementing and maintaining Contract Management Systems will be deemed to be included in the Contract Rates.

9.3 JOINT MEASUREMENT

Unless otherwise specified, a joint measure shall be undertaken to confirm final quantities of all works completed under the Contract.

The Contractor shall notify the Superintendent in sufficient time and at such appropriate time to enable a joint assessment by the Superintendent and the Contractor.

9.4 MEASUREMENT BY MASS

Where material is to be measured by mass it shall be measured in tonnes to the nearest one tenth of a tonne. The Contractor shall measure and document the mass of all materials supplied under the Contract in accordance with the Specification and the Contractor's Quality Plan. The Contractor shall supply all necessary documentation, objective where possible, of the quantity of material used.

Further, the Contractor shall provide, on request by the Superintendent, objective evidence to the ongoing verification of the accuracy of any weighing devices to assure the Superintendent of the accuracy of the measured mass of material delivered.

9.5 MEASUREMENT BY LENGTH

Where work is to be measured by length it shall be measured in meters to the nearest one tenth of a meter. The Contractor shall measure and document the length of all work completed under the Contract in accordance with the Specification and the Contractor's Quality Plan.

Further, the Contractor shall provide, on request by the Superintendent, objective evidence to the ongoing verification of the accuracy of any measuring devices to assure the Superintendent of the accuracy of the measured length of work completed.

9.6 MEASUREMENT BY AREA

Where work is to be measured by area it shall be measured in square meters to the nearest one tenth of a square meter. The Contractor shall measure and document the area of all work completed under the Contract in accordance with the Specification and the Contractor's Quality Plan.

Further, the Contractor shall provide, on request by the Superintendent, objective evidence to the ongoing verification of the accuracy of any measuring devices to assure the Superintendent of the accuracy of the measured area of work completed.

9.7 MEASUREMENT BY VOLUME

Where work is to be measured by volume it shall be measured in cubic meters to the nearest one tenth of a cubic meter. The Contractor shall measure and document the volume of all work completed under the Contract in accordance with the Specification and the Contractor's Quality Plan.

Further, the Contractor shall provide, on request by the Superintendent, objective evidence to the ongoing verification of the accuracy of any measuring devices to assure the Superintendent of the accuracy of the measured volume of work completed.

9.8 MEASUREMENT BY EACH

Where work is to be measured by each it shall be measured as a singular item or numbers of items measured as a whole number. The Contractor shall measure and document the number of items delivered or work completed under the Contract in accordance with the Specification and the Contractor's Quality Plan.

Further, the Contractor shall provide, on request by the Superintendent, objective evidence to the ongoing verification of the accuracy of any measuring devices to assure the Superintendent of the accuracy of the measured items delivered or included in the works.

9.9 PAYMENT REDUCTION

Work which fails to fully satisfy the specified standards but is acceptable on reduced payment, will be valued in accordance with the percentage reduction stated in the relevant clause or table. The reduced payment will be based on rates submitted in the Schedules or where no rate or reference table is provided, on the value or rate for the work as agreed between the Superintendent and the Contractor. Where no agreement can be reached the work will be valued by the Superintendent.

9.10 MEASUREMENT AND PAYMENT OF SCHEDULE OF RATES ITEMS – SCHEDULE K1

Measurement for Schedule of Rates Items in Schedule K1 – Contract Works Pricing Schedule, will be made using the units denoted in the schedule of rates table against the applicable item.

Payment for Schedule of Rates Items in Schedule K1 – Contract Works Pricing Schedule, will be made using the tendered rate in the schedule of rates table. Tendered rates shall include full compensation for the supply of all labour, materials, plant, overheads, profit and any other costs incurred in completing the specified work covered by the item.

9.11 MEASUREMENT AND PAYMENT OF PLANT AND PERSONNEL – SCHEDULE K2

From time to time additional works to those specified in Schedule K1 may be instructed by the Superintendent. Where relevant rates are listed in Schedule K2 Additional Works Pricing Schedule, these shall be used as the basis of payment. Where no such rate exists the value of works shall be determined in accordance with Clause 36 Variations of the General Conditions of Contract.

Payment for items in Schedule K2 – Additional Works Pricing Schedule, will be made using the tendered rate in the schedule of rates table. Tendered rates for plant, equipment and personnel shall include full compensation for the supply of the plant, equipment and personnel and include appropriate allowances for labour, overheads, profit and any other costs incurred in supplying the item.

No payments will be made for standby of plant, equipment and personnel.

9.12 PAYMENTS TO CONTRACTOR

All payments due to the Contractor for works, supplies or services provided under this Contract will be made by Electronic Funds Transfer (EFT).

Within 14 days of award of the Contract, the Contractor shall submit the following details to the Superintendent:

name and address of a financial institution participating in the Direct Entry System to which payment is to be made;

- relevant Bank State Branch code or participating financial institution number (BSB);
- account name; and
- account number.

The Contractor shall within seven days of any change to the above details inform the Superintendent in writing of that change. Bulloo Shire Council shall not be responsible for any delay in transmission of funds arising from incorrect or out of date information supplied by the Contractor.

Payments to the Contractor shall be deemed to have been made by Bulloo Shire Council within 24 hours from the date Bulloo Shire Council has:

- (a) correctly entered all necessary information; and
- (b) sent; and
- (c) had processed under a processing date;

all relevant debits online into the Electronic Funds Transfer System.

Bulloo Shire Council shall not be responsible for any delays or failures in transmission of funds arising from or relating to system failure, temporary system constraints or other functional transfer problems in the EFT direct entry system.

STANDARD SECTIONS

MAIN ROADS TECHNICAL SPECIFICATION

Notwithstanding the requirements of Clause 2.1 Service Level, Scope and Quality the Contract works shall be subject to the following Main Roads Technical Specifications (MRTS). In delivering the Contract Works the Contractor shall ensure the requirements of the relevant specification are adhered to.

The table below details the MRTS documents relevant to this Contract.

Reference Number	Specification Name
MRTS05	Unbound Pavements
MRTS07B	Insitu Stabilised Pavements Using Cement or Cementitious Blends
MRTS11	Sprayed Bituminous Treatments (Excluding Emulsion)
MRTS17	Bitumen and Multigrade Bitumen
MRTS22	Supply of Cover Aggregate
MRTS04	General Earthworks
MRTS14	Road Furniture
MRTS03	Drainage Structures, Retaining Structures and Embankment Protections

APPENDIX A – SITE LOCATION MAPS

APPENDIX B – QRA TREATMENT GUIDE

APPENDIX C – SET OUT PEG TEMPLATE

APPENDIX D – STANDARD DRAWING