



**MORNINGTON
PENINSULA**
Shire

COMMITTED TO A
SUSTAINABLE
PENINSULA



Safer Local Roads

Contract No 1218

with



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Safer Local Roads

contract no. 1218

This agreement is made on 30 June 2006 between the following parties:

1. **Mornington Peninsula Shire Council** (ABN 53 159 890 143) of Besgrove Street, Rosebud Victoria ('Shire'), and
2. **Emoleum** (ABN 14 374 315 641), being a partnership between Emoleum Roads Group Pty Ltd (ACN 099 733 445) and Emoleum Road Services Pty Ltd (ACN 006 673 481) of 140 Watts Road, Mornington, Victoria ('Contractor').

Background

- A. On 1 April 2003, the parties entered into a contract for the routine and minor specific maintenance of roads within the Mornington Peninsula Shire. This contract is known to the parties by the name 'Sustainable Infrastructure Maintenance Contract' ('Prior Contract').
- B. On 11 April 2005, the Shire invited the Contractor to tender for a contract for services relating to the maintenance and management of the Network including sealed pavements, shoulders, drainage, footpath kerb and channel rehabilitation, carparks and other assets and miscellaneous rehabilitation and upgrading of certain roads ('New Services').
- C. The Contractor submitted a tender on 17 June 2005 offering, as an alternative tender, to integrate the services under the Prior Contract with the New Services. The Shire accepted the Contractor's alternative tender, subject to conclusion of the detailed terms of the Contract as set out in this document.

Operative provisions

Part 1 – Contract overview

1 Engagement and co-operation

- 1.1 The Shire engages the Contractor to carry out the Services on and subject to the terms of this Contract.
- 1.2 The parties agree to co-operate at all times to give effect to the Contract.

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2 Contract Term

The Contract commences on 1 July 2006 and continues until 30 June 2021, unless extended in accordance with part 20 (Contract extensions) or terminated earlier in accordance with part 16 (Default and termination).

3 Definitions

Definitions applicable to this Contract are set out in Annexure 1 (Definitions).

4 Objectives

4.1 The Shire wishes to provide a sustainable and resident-focused local road management service for the residents of Mornington Peninsula Shire.

4.2 With this aim in mind, the Contract has the following objectives:

- .1 **Integration between Shire and Contractor:** Create an integrated framework for the delivery of services so as to ensure that the Services remain responsive to the community, are adaptable to change, continue to provide value for money and utilise the resources, skills, experience and knowledge of both parties.
- .2 **Cost:** Minimise whole-of-life costs of the Assets and provide outstanding value for money in the services provided under the Contract.
- .3 **Environment:** Reflect genuine sensitivity to the environment and a best practice approach to environmental management.
- .4 **Community:** Reflect a genuine commitment to consultation with and responsiveness to the community and its concerns.
- .5 **Safety:** Reflect a genuine commitment to maintaining a safe work culture and a best practice approach to health and safety management for both on site personnel, the public in general and the residents of the Shire.
- .6 **Quality:** Ensure all works are fit for their intended use and integrate smoothly into the Network. Ensure all standards of materials and workmanship reflect appropriate Shire and industry standards.
- .7 **Quality relationship:** Facilitate an open and understanding quality relationship between the Shire and the Contractor.
- .8 **Innovation:** Promote ongoing innovation (including technically, environmentally and financially) consistent with the other objectives of this Contract.
- .9 **Local employment and training:** Maximise local employment and continuing skills development.

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- .10 **Risk sharing:** Promote collective ownership of all risks associated with the delivery of the Services and an equitable sharing of risks and rewards.
- .11 **No blame culture:** Encourage a no blame culture and promote open, straight and honest communication between the parties at all levels.
- .12 **Focus on outcomes:** Encourage a primary focus on delivering outcomes (results) for the residents of Mornington Peninsula Shire, consistent with these SLR Objectives and the provisions of the Contract.

5 Warranties

- 5.1 Each party warrants that it has the legal capacity, and is fully authorised, to enter into the Contract.
- 5.2 The Contractor warrants that:
 - .1 it is not at the date of the Contract subject to any litigation or conflict of interest or in contravention of any Law that could impact adversely on the Shire or the Services, and
 - .2 in entering into the Contract it has not relied upon any information provided to it by the Shire, other than information included in the Contract.

Part 2 – Management of the Contract

6 Management Overview

- 6.1 The parties wish to give contractual effect to the SLR Objectives and provide a flexible framework in which both parties co-operate in the management of the Contract.
- 6.2 The co-operative management of the Contract is formalised at 3 levels:
 - .1 Senior Representatives of the parties – provide a senior level overview, make input into strategic decisions, review recommendations of the Service Management Team, attempt to resolve Issues referred to them and make determinations on behalf of the parties.
 - .2 Service Management Team (SMT), a formal team structure comprising management level representatives of each of the parties - makes recommendations in relation to the management of the Contract and undertakes some traditional Superintendent-type activities as identified in the Contract.

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- .3 Operations Team, a flexible consultative team structure with a core team comprising operations personnel of each of the parties – works to facilitate co-operation in relation to operational matters and day to day interfaces.

7 Management principles and values

- 7.1 The members of the Service Management Team and the Operations Team and the Senior Representatives commit to the following principles and shared values in the exercise of their functions under the Contract:
 - .1 A primary focus on satisfying the SLR Objectives and delivering the outcomes required by the SLR Objectives, consistently with the terms of the Contract and the Road Management Plan
 - .2 A peer relationship where all members have an equal say
 - .3 Collective responsibility for the exercise of their functions, for decisions made in the exercise of those functions and for the consequences of those decisions, including an equitable sharing between the parties of any consequent risk and reward
 - .4 All decisions made on a 'Best for Program' basis
 - .5 Encouragement of innovative thinking with a commitment to achieve outstanding results
 - .6 Clear responsibilities within a no-blame culture
 - .7 Open, straight and honest communication
 - .8 Unconditional support to working together co-operatively and to the SLR Objectives
 - .9 All transactions are fully open-book.
- 7.2 Members of the Service Management Team and the Operations Team and Senior Representatives must seek at all times to give effect to the Contract and carry out their functions in a manner consistent with the principles and values set out in clause 7.1.

8 Senior Representatives

- 8.1 Each party must appoint a senior person to represent it in all matters concerning the Contract. The Shire may appoint the Superintendent as its Senior Representative.
- 8.2 Senior Representatives are appointed by notice from the appointing party to the other party. Changes in the identity or contact details of a Senior Representative must be notified promptly. The initial Senior Representatives of the parties are listed in item 1 of schedule 1 (Contract Details).

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- 8.3 Senior Representatives have the following responsibilities:
- .1 Consider and approve or reject recommendations made by the Service Management Team.
 - .2 Make decisions on behalf of the Service Management Team when an Issue is referred to the Senior Representatives in accordance with clause 9.18 or any other provision of the Contract.
- 8.4 Senior Representatives jointly have the power to exercise any function of the Service Management Team, where the Service Management Team has not done so.
- 8.5 When exercising the responsibilities set out in clause 8.3 or the powers set out in clause 8.4, the Senior Representatives must use their best endeavours to act jointly and unanimously. If the Senior Representatives are unable to reach agreement on any Issue within 10 Business Days (or such longer period as the Senior Representatives agree):
- .1 the Issue will be determined by the Contractor in the circumstances provided by clause A3-4 (Annual Reseal Program) (in which event, the Shire may dispute the determination in accordance with the Dispute Resolution Process but, pending resolution of the dispute, the Annual Reseal Program will be as determined by the Contractor, subject only to Variations), and
 - .2 except as provided by 8.5.1, the Issue will be determined by the Superintendent (in which event, the Contractor may dispute the determination in accordance with the Dispute Resolution Process but must, pending resolution of the dispute, comply with the Superintendent's determination).

9 Service Management Team

- 9.1 The role of the Service Management Team is to:
- .1 review and make recommendations to the Senior Representatives in respect of the Annual Reseal Program and any programs required to be developed as part of the Routine Maintenance Services,
 - .2 review and make recommendations to the Senior Representatives in respect of changes to the Accelerated Works Program,
 - .3 conduct the Annual Review,
 - .4 assess and make recommendations to the Senior Representatives in respect of initiatives proposed by either party,
 - .5 review the Performance Standards at the request of either party to ensure that they continue to meet the SLR Objectives and remain 'Best for Program',

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- .6 make recommendations to the Senior Representatives for any changes to the Contract and to the Superintendent for Variations or Minor Works with the objective of ensuring that the Contract continues to be consistent with the SLR Objectives and remains Best for Program,
 - .7 attend community workshops or information sessions conducted by the Contractor (not more than one a year),
 - .8 attend a six monthly co-ordination meeting with the SIMS Contractors,
 - .9 attend tours organised by the Contractor with councillors (not more than one a year),
 - .10 attend an annual quality relationship management workshop with the Shire and the SIMS Contractors,
 - .11 exercise functions conferred by the Contract Documents, and
 - .12 undertake any other roles required and jointly agreed by the parties from time to time.
- 9.2 The Service Management Team must have at least 4 and not more than 6 members at any point in time.
- 9.3 At least 2, but not more than 3, of the members must be appointed by the Contractor. At least 2, but not more than 3 members must be appointed by the Shire.
- 9.4 Appointment of members is by notice from the appointing party to the other party. Changes in the identity of an appointee are to be notified in the same manner. A replacement representative must have relevant skills, qualifications and experience for the position.
- 9.4A The initial members of the Service Management Team are set out in item 1A of schedule 1 (Contract Details).
- 9.5 If a member cannot be present at any meeting, the member may send a proxy. A proxy must be sufficiently skilled and briefed to make a meaningful contribution to the meeting.
- 9.6 The Service Management Team must nominate a chairperson from its members. The chairperson is responsible for convening meetings at the times required by the Contract and for chairing the meetings. The Service Management Team may change the identity of its chairperson as often as it wishes, or it may provide for a rotation in the position.
- 9.7 Decisions of the Service Management Team must be by unanimous consensus of all members in attendance at the meeting.
- 9.8 The Service Management Team may call upon any member of the Operations Team to report to the Service Management Team or to provide

assistance to the Service Management Team in relation to any of its functions.

- 9.9 Where the Service Management Team is considering a matter that relates to a Stakeholder Specialisation, the Service Management Team must call upon and take account of advice provided by the Stakeholder Specialist.
- 9.10 A quorum of members at any meeting is 2 appointees from the Shire and 2 appointees from the Contractor. No decision may be made without a quorum being in attendance. A member is regarded as being in attendance at a meeting where he or she attends by telephone or teleconference (or using any other technology which enables members to conduct a meeting without being physically present in the same room).
- 9.11 The Service Management Team must exercise all its functions honestly, fairly and reasonably, applying the principles and values set out in clause 7 (Management principles and values).
- 9.12 In carrying out its functions, the Service Management Team may obtain expert assistance (in addition to input from the Operations Team and Stakeholder Specialists). The cost of any expert assistance is the joint and equal responsibility of the parties, unless the Service Management Team determines otherwise.
- 9.13 Meetings of the Service Management Team must be held at intervals not exceeding 3 months or within 10 Business Days of any member requesting a meeting.
- 9.14 Secretarial support to the Service Management Team will be provided by the Contractor.
- 9.15 The Contractor must produce minutes which record in writing all resolutions of the Service Management Team. The minutes will be accepted as a true record of proceedings once certified as correct by one Service Management Team member appointed by the Contractor and one Service Management Team member appointed by the Shire.
- 9.16 Where the Contract authorises or requires the Service Management Team to make recommendations, those recommendations are not binding on the parties, unless and until they are approved unanimously and confirmed in writing by the Senior Representatives (or otherwise determined in accordance with clause 8.4).
- 9.17 Where the Contract authorises or requires the Service Management Team to make a determination of any sort (however described and including to grant or refuse approval), those determinations are binding on the parties.
- 9.18 Any member of the Service Management Team may refer any Issue to the Senior Representatives for determination if the member in good faith considers that the Service Management Team will be unable to reach a consensus on the Issue in a time and manner appropriate having regard to the nature of the Issue.

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- 9.19 Each party bears its own costs relating to the Service Management Team with the exception of accommodation for the meeting (if required) and administrative support which will be provided at the Contractor's cost.

10 Operations Team

- 10.1 The Operations Team is a flexibly structured team designed to promote discussion and liaison between the parties at appropriate times during the progress of the Services.
- 10.2 The Operations Team comprises:
- .1 a core team comprising the Contractor Operations Team, and the Shire Operations Team ('Core Members'), and
 - .2 discretionary members invited in accordance with clause 10.4 on to join the Operations Team on a limited duration basis.
- 10.3 The Operations Team must nominate a chairperson from its Core Members. The chairperson is responsible for convening meetings at the times required by the Contract and for chairing the meetings. The Operations Team may change the identity of its chairperson as often as it wishes, or may provide for a rotation in the position.
- 10.4 Appointment of discretionary members of the Operations Team is by written invitation from the chairperson of the Operations Team to the nominated member. The appointment of a discretionary member and the length of the appointment must be agreed unanimously by the Core Members.
- 10.5 The role of the Operations Team is to:
- .1 promote communication at an operational level across both parties' organisations,
 - .2 co-ordinate programs so that interdependent activities are completed in a timely manner,
 - .3 ensure stakeholder interests are taken into account in the day to day operations of the Contract,
 - .4 identify Issues early, so that they can be resolved with minimal risk and cost to the parties,
 - .5 attempt to resolve Issues and develop solutions at the earliest possible stage,
 - .6 investigate any matter referred by the Service Management Team,
 - .7 report to the Service Management Team on any matter requested by the Service Management Team or on any matter which the Operations Team considers should be raised with the Service Management Team, and

- .8 undertake any other roles required and agreed by the parties or the Service Management Team from time to time.
- 10.6 All members of the Operations Team (as then constituted) are entitled to attend Operations Team meetings occurring during the period of their membership. The Contract Manager must ensure that each member of the Operations Team (as it is then constituted) is notified of the subject matter and timetable for each meeting at least 2 Business Days in advance of the intended meeting time (or such shorter period as is agreed by the then members).
- 10.7 Where the Operations Team is considering a matter that relates to a Stakeholder Specialisation, the Operations Team must consult with the appropriate Stakeholder Specialist.
- 10.8 Without limiting any express provision of this clause, the Operations Team is a consultative forum only and its determinations are not binding on the parties.
- 10.9 Recommendations and reports to be produced to the Service Management Team must reflect a consensus of views of all Core Members.
- 10.9A Where a recommendation or report relates to a Stakeholder Specialisation, the recommendation or report must either:
- .1 Reflect the views of the applicable Stakeholder Specialist or Specialists; or
 - .2 identify any areas of difference (and reasons for the difference) between the final recommendation or report and the views of the applicable Stakeholder Specialist or Specialists.
- 10.10 A member is regarded as being in attendance at a meeting where he or she attends by telephone or teleconference (or using any other technology which enables members to conduct a meeting without being physically present in the same room).
- 10.11 The Operations Team must exercise all its functions honestly, fairly and reasonably, applying the values and principles set out in clause 7 (Management principles and values).
- 10.12 Meetings of the Operations Team must be held at intervals not exceeding 3 months or within 10 Business Days of any member requesting a meeting.
- 10.13 The Operations Team (or any member of the Operations Team) may refer any Issue to the Service Management Team at any time if the Operations Team (or the member, as the case may be) considers that the Issue is something that should be brought to the attention of, or dealt with by, the Service Management Team.
- 10.14 Each party bears its own costs with respect to the Operations Team.

11 Superintendent

- 11.1 The Shire must ensure that at all times there is a Superintendent. The initial Superintendent is the person nominated in item 4 of schedule 1 (Contract Details). The temporary or permanent appointment of a person to replace the initial Superintendent must be notified by the Shire to the Contractor.
- 11.2 The Superintendent must exercise the powers, functions and duties of the Superintendent reasonably, honestly and fairly.
- 11.3 The Superintendent must:
- .1 carry out the functions required by the Contract,
 - .2 implement determinations made by the Service Management Team in all cases where the Service Management Team is the Determining Authority, and
 - .3 implement determinations made by the Senior Representatives in all cases where the Senior Representatives are the Determining Authority.
- 11.4 The Superintendent may from time to time appoint individuals to exercise any of the functions of the Superintendent but not more than one Superintendent's representative may be delegated the same function at the same time.
- 11.5 The Superintendent must immediately notify the Contractor of:
- .1 the appointment of a Superintendent's representative under this clause and of the functions delegated to that Superintendent's representative, and
 - .2 the termination of the appointment of a Superintendent's representative.
- 11.6 The appointment of a Superintendent's representative does not prevent the Superintendent from exercising any function.
- 11.7 A Superintendent's representative must have appropriate skills, qualifications and experience required for that position.
- 11.8 Matters within the knowledge of the Superintendent or a Superintendent's representative are deemed to be within the knowledge of the Shire.

12 Contract Manager

- 12.1 The Contractor must ensure that there is at all times a Contract Manager. The initial Contract Manager is the person nominated in item 5 of schedule 1 (Contract Details).

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- 12.2 The Contract Manager is responsible for the day to day performance of the Services and the supervision of all persons employed or engaged by the Contractor in carrying out the Services.
- 12.3 The Contract Manager has authority to receive directions and other communications on behalf of the Contractor. Any direction or other communication given to the Contract Manager is deemed to have been given to the Contractor.
- 12.4 A matter within the knowledge of the Contract Manager is deemed to be within the knowledge of the Contractor.
- 12.5 The Contractor must ensure that the Superintendent and the Shire at all times have up to date contact details for the Contract Manager and that the Contract Manager is available and able to be contacted by the Superintendent during the hours specified in the Integrated Management Plan.
- 12.6 The Contract Manager may by notice to the Superintendent appoint others from time to time with authority to act in the capacity of Contract Manager. These may be short-term appointments (such as to cover leave taken by the Contract Manager) or may be appointed for specific projects or as the nominated contact person for particular activities or for particular times of day.
- 12.7 The Contractor must notify the Shire immediately of any change in the identity or contact details of the Contract Manager.
- 12.8 Persons appointed under clauses 12.6 or 12.7 must have skills, qualifications and experience for the position of Contract Manager.
- 12.9 In addition to any other requirement of the Contract, the Contract Manager must:
- .1 represent the Contractor on the Service Management Team,
 - .2 arrange secretarial support for the Service Management Team, and
 - .3 implement determinations made by the Service Management Team (where the Service Management Team is the Determining Authority), implement determinations of the Senior Representatives (where the Senior Representatives are the Determining Authority) and implement determinations of the Superintendent (where the Superintendent is the Determining Authority).

13 Change of nominated personnel

- 13.1 Whenever an individual is named in the Contract, the agreement of both parties is required to the appointment of a person to replace the named individual. The parties must act reasonably and have regard to each other's legitimate concerns in relation to any appointment of this type.

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13.2 This clause does not limit the requirements of any other clause.

Part 3 – Access to the road network

14 Access to Assets

- 14.1 Subject to this clause and to the powers of any Authority, the Shire grants the Contractor access to the Assets for the purposes of carrying out the Services in accordance with the Contract.
- 14.2 The Contractor acknowledges that:
- .1 the Road Assets are part of a public road network,
 - .2 the Contractor may not have unrestricted occupation of or access to all of the Assets,
 - .3 the Shire or Other Contractors may be working on the Assets at the same time as the Contractor,
 - .4 Authorities or their contractors may be working on the Assets at the same time as the Contractor,
 - .5 the Contractor must carry out the Services in such a way as to ensure that traffic delays are kept to a minimum and may at certain times be prohibited by the Shire from closing any part of a Road, and
 - .6 the Contractor must comply with the directions of the Superintendent and relevant Authorities with respect to the management of traffic.

15 Co-ordination obligations

- 15.1 In carrying out the Services, the Contractor must:
- .1 work co-operatively with the Shire and its contractors and with other Authorities and their contractors,
 - .2 liaise with Other Contractors and Authorities as to their anticipated programs of work on the Assets and co-ordinate its activities as far as possible with those other programs, and
 - .3 not interfere with, delay or damage any other work of the Shire or other Authorities or their respective contractors.
- 15.2 The Superintendent must notify the Contractor if the Shire or any Other Contractor is to carry out works on or affecting any of the Assets and must advise the Contractor of the name and contact details of the person superintending the works (if they are being undertaken by the Shire) or of the name and contact details of the Other Contractor. This notification

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must be provided in a reasonable and timely manner in advance of the works commencing.

16 Impact of access delays or restrictions

Without limiting clause 15 (Co-ordination obligations), if a delay takes place in giving the Contractor access to the Assets at any time or place or any direction is issued by the Superintendent restricting or revoking access to any Asset to particular days and/or times (including a prohibition of temporary closure under clause 14.2.5), such delay, restriction or revocation of access is an Excusing Event (to the extent that the Contractor could not reasonably have planned for it and taken steps to mitigate its effects) but is not a breach of contract.

Part 4 – Contractor's obligations

17 Quality

- 17.1 The Contractor must carry out the Services diligently and conscientiously, to a high standard of skill and care and using good workmanship and materials.
- 17.2 The Contractor must ensure that the performance of all Services is supervised at all times by a competent representative.
- 17.3 Everything the Contractor makes, designs or supplies under the Contract must comply with the Contract and must, subject to the specific requirements of the Contract, be reasonably suitable for its intended purposes.
- 17.4 The Contractor must ensure that the Shire obtains the benefit of any warranty available from a manufacturer or supplier of any material used in carrying out the Services.
- 17.5 The Contractor must make sure that the Shire has access at all reasonable times to places where the Services are being carried out or where materials or components for use in the Services are being produced.

18 Time

The Contractor must carry out the Services in a timely and expeditious manner and comply with all Contractual Time Requirements.

18A Care of Services

18A.1 The Contractor is solely responsible for loss or damage to:

- .1 any work in progress as part of the Services and the site of that work, and

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- .2 plant, materials, equipment and other things necessary for carrying out the Services (including things provided by the Shire for the purposes of the Services but not including anything provided by the Shire under a lease or other separate agreement),

for the duration of the Contract Term or any longer period during which the Contractor is providing the Services.

- 18A.2 The Contractor's liability under this clause is reduced to the extent that an Excepted Risk contributes to the loss or damage.
- 18A.3 If there is any inconsistency between this clause and clause A8-6 (Care of Project Works) in relation to any Ordered Work to which that clause applies, clause A8-6 prevails.
- 18A.4 Nothing in this clause limits the Contractor's obligations to perform the Services.

19 Site risks

19.1 General risk allocation

Except where the Contract (including this clause 19) expressly provides otherwise, the Contractor is responsible at its own cost and risk for carrying out the Core Services irrespective of conditions prevailing at the site of those Services at the time they are required to be carried out.

19.2 AWP site investigations

The Contractor must undertake site investigations prior to and as part of the Design & Investigation Services for each Accelerated Works Project and must use its best endeavours to satisfy itself of the prevailing conditions and to ensure that the design and scope of the Accelerated Works Project takes account of the conditions on the site.

19.3 Solutions for AWP site problems

If the Contractor has complied with the requirements of clause 19.2 (AWP site investigations) and, notwithstanding having done so, encounters on the site of any Accelerated Works Project a physical condition that it did not anticipate and which affects the cost of carrying out the Accelerated Works Project, the Contractor may approach the Service Management Team with a view to finding a solution that compensates the Contractor but without materially reducing the overall scope of the Accelerated Works Program.

The solution determined by the Service Management Team may include:

- .1 requesting a Variation to overcome the effects of the condition;
- .2 reducing the scope of the Accelerated Works Project affected by the condition;
- .3 removing or reducing the scope of another Accelerated Works Project; or

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- .4 substituting a project in the Accelerated Works Program.

19.4 AWP site conditions at Contractor risk

If the Contractor has not complied with the requirements of clause 19.2 (AWP site investigations) with respect to any Accelerated Works Project, the risk and cost of site conditions discovered at the site of that Accelerated Works Project is to the Contractor's sole account and the Contractor must continue to carry out and complete the Accelerated Works Project (including undertaking any necessary design revision to accommodate the unanticipated site conditions).

19.5 Utilities and underground services

Regardless of the nature of the Services being provided, it is the Contractor's responsibility to ascertain the presence and location of any underground Utilities before undertaking any work that may disturb or affect those Utilities. Despite any other provision of the Contract or any Work Order Document, the performance of the Services is at the Contractor's risk and cost notwithstanding the presence of Utilities.

20 People

- 20.1 The Contractor must engage sufficient people with adequate skills and training to perform its obligations under the Contract.

- 20.2 Without limiting clause 20.1, the Contractor must employ (directly or indirectly):

- .1 a qualified engineer with specialist skills in road asset management to represent it as its Asset Management Specialist for the purposes of the Contract;
- .2 a person or persons with expertise in the use and operation of AMIS to assist the Contractor in performing its obligations with respect to AMIS, and
- .3 a person or persons with qualifications and expertise in the use and operation of Deighton Software to assist the Contractor to perform its obligations with respect to Deighton Software.

- 20.3 The Contractor must ensure that none of its Agents is affected by drugs or alcohol while engaged in the performance of the Services or any related activities.

- 20.4 The Contractor must ensure that its Agents:

- .1 conduct themselves towards Councillors of the Shire, the Shire's staff and members of the public in a civil and inoffensive manner, and
- .2 carry out their duties at all times with as little inconvenience and disturbance to others as possible.

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- 20.5 The Superintendent may, by notice to the Contractor, direct that any Agent of the Contractor not be employed or engaged or continue to be employed or engaged in the performance of the Services or any related activities.
- 20.6 The Contractor must ensure that its Agents:
- .1 are attired in any manner specified in the Contract Documents, and
 - .2 are readily identifiable by means of a logo, name badge, ID card or other suitable means approved by the Service Management Team.

21 Subcontractors

- 21.1 The Contractor may subcontract the performance of the Services or any part of the Services to any suitably qualified, competent and financially stable subcontractor as it considers appropriate subject to:
- .1 compliance with its obligation to engage the MPSC Design Team under clause A3-25 (Design & construction of Accelerated Works Projects); and
 - .2 satisfying Performance Standard 7 (Sustainability) by including local residents and businesses as its Agents.
- 21.2 The Contractor must ensure that its arrangements with subcontractors are appropriate to ensure compliance with the Contract and must, at the request of the Service Management Team, provide evidence of its compliance with this requirement.
- 21.3 Notwithstanding this clause 21 or any approval or acknowledgement by the Shire or the Service Management Team, the Contractor:
- .1 remains liable at all times for the performance of the Contract; and
 - .2 is liable for all acts and omissions of its Agents in the performance or non-performance of the Contract as if they were acts or omissions of the Contractor.

22 Industrial relations

The Contractor is responsible for the management of relations with its own workforce and for ensuring the effective management of relations between its Agents and their employees. The Contractor is solely responsible for carrying out the Services without any entitlement to claim money, time or other relief arising out of industrial action by the Contractor's employees or the employees of its Agents.

23 Reporting

The Contractor must report in writing to the Service Management Team on any aspect of the Services when requested to do so.

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24 Media

- 24.1 Except where authorised by the Superintendent under clause 24.2, the Contractor:
- .1 must not either itself or through its Agents make any statement to the media on behalf of the Shire or in relation to the performance of the Services without the prior written consent of the Superintendent,
 - .2 must refer all enquiries from the media relating to the performance of the Services to the Superintendent, and
 - .3 must notify the Superintendent immediately of any event arising in the course of performing the Services which may receive media attention.
- 24.2 The Superintendent may require the Contractor to prepare media releases and provide follow up interviews within the parameters recommended by the Service Management Team.

25 Conflicts of interest

- 25.1 The Contractor must immediately make a full disclosure in writing to the Superintendent of the existence, nature and extent of any actual or potential conflict of interest that the Contractor, or any of its Agents, become aware of between the Contractor's obligations under this Contract and the interests of:
- .1 the Contractor or its Agents,
 - .2 a company or business in which the Contractor or its Agents are involved, whether as an officer, shareholder, employee or otherwise, or
 - .3 any other person with whom, or entity with which, the Contractor or its Agents have a financial or business association, whether directly or indirectly.
- 25.2 The Superintendent (after consultation with the Service Management Team) must determine the course of action that is appropriate to overcome the conflict of interest and ensure it does not affect the performance of the Contract.

26 Use of the Shire trade marks

The Contractor must not use a registered or unregistered trademark of the Shire without the Superintendent's prior written consent or as authorised by the Contract.

27 Confidentiality

- 27.1 The Contractor must keep the Confidential Information confidential.

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- 27.2 The Contractor must not use or reproduce the Confidential Information in any manner unless specifically authorised to do so by the Superintendent or required to do so by Law.
- 27.3 The Contractor must immediately return all Confidential Information in its possession, when requested in writing to do so by the Superintendent. If the Confidential Information is of a nature that cannot be returned, the Contractor must immediately delete, erase or otherwise destroy it.

28 Intellectual property

- 28.1 Subject to this clause 28, property and intellectual property rights in the Contract Material will vest in the Shire.
- 28.2 The Contractor is authorised to use the Contract Material during the Contract Term but only for the purposes of the Contract. Any other use requires the prior written consent of the Superintendent.
- 28.3 Nothing in this Contract affects or in any way alters the Contractor's ownership of or rights to any pre-existing intellectual property.
- 28.4 The Contractor, in performing the Services, must use its best endeavours not to infringe the intellectual property rights of any third party and must indemnify the Shire against any loss or damage suffered or incurred by the Shire as a result of any such infringement.

29 Compliance with Law and award obligations

- 29.1 The Contractor must comply, and must ensure that its Agents comply, with all Laws applicable to the Services and the Contract.
- 29.2 Without limiting its obligations under clause 29.1, the Contractor must comply, and must ensure that its Agents comply with Laws, and agreements endorsed by Laws, regulating employer and employee relations.
- 29.3 If a Qualifying Change in Law increases the costs of performing the Services, the Shire will compensate the Contractor for the increased costs (determined on an open book basis). If a Variation to any Service is required as a result of a Qualifying Change in Law, the Variation will be made and valued in accordance with part 7 (Variations).
- 29.4 If either party considers at any time that there is a conflict between any Law and an obligation imposed by the Contract, that party must notify the Service Management Team. The Service Management Team must then endeavour to determine an agreed interpretation that is consistent with the Law or must recommend a change to the Contract to be implemented by deed of variation. If the Service Management Team is unable to reach a consensus interpretation or other resolution within 5 Business Days of first meeting to discuss the issue, the issue must be referred to the Senior Representatives for determination in accordance with clause 8 (Senior Representatives).

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30 Approvals

30.1 The Contractor must:

- .1 obtain and maintain all licences, permits, consents or other approvals necessary for the performance of the Services;
- .2 give all notices necessary to comply with the requirements of any Law or any relevant Authority; and
- .3 at its own cost but subject to clause 29.3, pay any fees or charges necessary to comply with the requirements of any Law or any relevant Authority.

30.2 The Contractor must give the Shire upon request copies of documents issued to the Contractor by any relevant Authority or to any relevant Authority by the Contractor, in respect of the Services and, in particular, any approvals of the Services.

31 Personal Information

31.1 If the Contractor collects, holds or obtains Personal Information under or in connection with the Contract, the Contractor must:

- .1 only use the Personal Information for the purposes of fulfilling its obligations under the Contract, and
- .2 at the time of collecting the Personal Information, obtain all consents and authorisations necessary for the use of the Personal Information in relation to the performance of the Services, and
- .3 take all reasonable measures to ensure that the Personal Information is protected against loss and unauthorised access, use, modification or disclosure.

31.2 The Contractor is bound by the Information Privacy Principles (as defined in the Information Privacy Act 2000 (Vic)) and any applicable code of practice with respect to any act done, or practice engaged in, by the Contractor for the purposes of this Contract in the same way and to the same extent as the Shire would have been bound by them in respect of that act or practice had it been directly done or engaged in by the Shire.

31.3 The Contractor's obligations under this clause 31 (Personal Information) are in addition to any obligations imposed by Law with respect to the protection of Personal Information.

31.4 The Contractor indemnifies the Shire in respect of any loss, liability or expense suffered or incurred by the Shire arising out of or in connection with a breach of the obligations of the Contractor under this clause, or any misuse of Personal Information by the Contractor or any of its Agents, or any disclosure by the Contractor or any of its Agents in breach of an obligation imposed by Law concerning the protection of Personal Information.

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Part 5 – Protecting people & property

32 Protecting people

- 32.1 The Contractor must, and must ensure that its subcontractors, at all times identify and take all necessary precautions for the health and safety of all persons, including the Contractor's Agents, staff of the Shire and members of the public, who may be affected by the performance of the Services.
- 32.2 The Contractor must provide the following information to the Service Management Team monthly:
- .1 the number of "lost time" injuries suffered by the Contractor's employees or subcontractors,
 - .2 the number of working days lost due to injury,
 - .3 the status of the implementation and outcomes of corrective actions undertaken as a result of OH&S inspections and risk assessments, and
 - .4 the status of IMP audits undertaken by the Contractor in so far as they relate to OH&S.
- 32.3 The Contractor must, when requested by the Superintendent, provide reports on OH&S inspections, audits or assessments undertaken during the Contract Term.
- 32.4 If the Contractor is required by any Law to give any notice of an incident occurring during the performance of its obligations under the Contract, the Contractor must, at the same time, or as soon thereafter as is possible in the circumstances, give a copy of the notice to the Superintendent.
- 32.5 If the Superintendent forms the opinion at any time during the Contract Term that the Contractor has committed or is likely to commit a Safety Breach, the Superintendent may direct the Contractor to do one or more of the following:
- .1 Promptly rectify the Safety Breach to the Superintendent's satisfaction
 - .2 Suspend performance of the Contract until such time as the Superintendent is satisfied that the Safety Breach is rectified.

- 32.6 If the Contractor's performance of the Services has been suspended under clause 32.5, the Shire may:
- .1 itself, or by employing or engaging any other person, perform the Services or such part of the Services as the Shire considers desirable,
 - .2 do any other thing which the Shire, in its absolute discretion, considers necessary in the circumstances to ensure continuity of essential services to the Shire and to ensure the health and safety of any person, and
 - .3 recover the costs of doing so as a debt due from the Contractor.
- 32.7 Costs recoverable by the Shire under clause 32.6.3 include losses and expenses directly incurred by the Shire as a result of the Contractor's Safety Breach and any consequent action taken by the Shire in accordance with this clause. The amount of losses and expenses so incurred will be certified by the Superintendent.

33 Protecting property & Environment

- 33.1 The Contractor must avoid loss or damage to property and the Environment while carrying out its obligations under or in relation to the Contract.
- 33.2 The Contractor must take good care of any thing provided to it by the Shire for the purposes of the Contract.
- 33.3 Waste and surplus material arising from the Contractor's performance of the Services are, as between the parties, the property of the Contractor and the Contractor is responsible for their lawful disposal or re-use.
- 33.4 If the Contractor discovers anything of possible archaeological, Environmental or cultural significance in the course of carrying out its obligations under the Contract, the Contractor must not take any action that could disturb or destroy the thing found and must comply with clause A3-29.7 (Heritage and archaeological values).
- 33.5 The Contractor must promptly make good any damage done by it or its Agents to any property of the Shire or any other person in the course of performing the Services (not including damage which is a necessary incident of the Services or damage or disturbance to an Asset). Damage or disturbance to an Asset must be reinstated in accordance with clause A3-26.8 (Disturbance of Assets).
- 33.6 If the Contractor fails to make good any damage to property in accordance with clause 33.5, the Shire may:
- .1 effect the necessary repairs or pay compensation to the owner of the property; and
 - .2 recover the cost from the Contractor as a debt due and payable.

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- 33.7 Before the Shire takes action under clause 33.6, the Superintendent must notify the Contractor of the proposed action and give the Contractor a final opportunity to remedy the damage itself within a period of 5 Business Days (or such longer period as is reasonable in the circumstances).
- 33.8 Clause 33.7 does not apply in circumstances where the Superintendent considers that urgent action is required to prevent further damage to property or injury to any person.

34 Avoiding nuisance and inconvenience

The Contractor must minimise inconvenience and avoid causing nuisance to anyone who may be affected by the performance of the Services.

35 No claim regarding Other Contractors

Where the activities of an Other Contractor cause loss or damage to any Asset or otherwise affect the performance of the Services, the Contractor is not entitled to make any claim unless one or more of the following apply:

- 35.1 The loss or damage or effect on performance is material and the Contractor can show that the loss, damage or other effect was caused by the Other Contractor's negligence or non-performance, and was not contributed to in any way by the Contractor.
- 35.2 The Shire is indemnified by the Other Contractor against the relevant loss, damage or effect on performance.

Part 6 - Annual Review

36 Annual Review

36.1 Formal review

The Service Management Team will undertake a formal review of the Contractor's performance and the Contract once annually in accordance with this clause 36 (Annual Review).

36.2 Review period

Each Annual Review will consider the Contractor's performance against the Performance Standards (other than Required PCI) over the course of the preceding Contract Year (1 July to 30 June).

Each Annual Review in a Pavement Performance Review Year will also consider the Contractor's performance against the Required PCI since the preceding Pavement Performance Review Year.

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36.3 Categories of performance assessment

The Service Management Team will review the Contractor's performance during the review period in 3 stages:

- .1 assessment based the Annual Review Scorecard (assessed in accordance with clause 36.4 (Annual Review Scorecard));
- .2 stakeholder review (if required by the Shire in any year) (undertaken in accordance with clause 36.5 (Stakeholder review)); and
- .3 measurement against the Performance Standards (assessed in accordance with clause 36.6 (Performance against the Performance Standards)).

36.4 Annual Review Scorecard

By 30 April in each Contract Year, each party must submit to the Service Management Team its assessment of its own and the other party's performance against the Annual Review Scorecard.

If a party fails to provide its assessment to the Service Management Team by 30 April of a Contract Year, that party's scores for that Contract Year are deemed to be the same as the scores given by the other party.

If both parties fail to provide their assessment to the Service Management Team by 30 April of a Contract Year, the Superintendent will determine the scores unless otherwise agreed.

36.5 Stakeholder review

If required by the Shire, an integral part of the Annual Review will be a review conducted by independent stakeholders nominated and paid by the Shire. The purpose of a stakeholder review is to provide an independent assessment of the Contractor's performance against the Performance Standards and/or of the Contract generally.

Nominated stakeholders must not include competitors of the Contractor (or Agents or associates of competitors) in the market of providing services similar to the Services. The Contractor must cooperate fully with any nominated stakeholder and, subject to any Law, provide them with access to all relevant data and Worksites. Stakeholder reviewers are free to determine their own review methodology consistent with the requirements of the Contract.

The Shire must ensure that any stakeholder review is complete by 30 April, so as to ensure that the results of the stakeholder review are available for consideration by the Service Management Team for its assessment.

For the purposes of this clause, a stakeholder is a person who lives in the Mornington Peninsula Shire or any other person who has an interest in the services delivered by the Shire with respect to the Assets. The Service

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Management Team will establish and maintain a list of not less than 3 potential stakeholders from which the Shire may select.

36.6 Measurement against the Performance Standards

Performance against the Performance Standards will be determined by the Service Management Team having regard to the process and evidence and relevant factors set out in schedule 3 (Performance Standards Review) including, as applicable, the outcomes of the Annual Review Scorecard and any stakeholder review.

The parties must cooperate fully with the Service Management Team and ensure that they have access to all relevant information and data required by them. Audit reports and similar material requested by the Service Management Team or required by the Contract must be provided to the Service Management Team by 30 April (with the exception of the Pavement Performance Review Report, which must be submitted by 31 May).

36.7 Other review items

In addition to assessing the Contractor's performance, the Service Management Team must use the Annual Review as an opportunity to consider the following items and make recommendations to the parties, if appropriate:

- .1 Reconciliation of Asset Inventory Changes (if necessary)
- .2 Application and redemption of Service Points
- .3 Level of insurance cover
- .4 Impact of any changes to the Road Hierarchy (whether required by Law or by the Shire) and any changes to the Road Management Plan
- .5 Operation of the SMT and the Operations Team
- .6 Impact on the Contract of technological or other changes during the Contract Year or anticipated in the future (including changes in Law or changes to Reference Documents)
- .7 The appropriateness of the Applicable Indices and the proportions applied in determining rise and fall
- .8 Any other matters required by the Contract
- .9 Any other matters which the Service Management Team considers it appropriate to review
- .10 Any changes to the Contract that may be necessary or desirable as a consequence of any of the above

36.8 Timing

The Service Management Team must complete the Annual Review and provide a written report on the completed Annual Review to the Superintendent by 30 June.

The Superintendent must review and consider the Service Management Team's written report and provide a final report including conclusions and recommendations to the Shire by 15 July of the subsequent Contract Year. The Superintendent's report will include his assessment of the Contractor's Service Points Status following the Annual Review.

If the Service Management Team has not completed its Annual Review by 30 June in any Contract Year, the Superintendent may prepare his final report based on his own assessment and without input from the Service Management Team. In doing so, the Superintendent must consult with the Contract Manager.

Part 7 – Variations

37 Variations**37.1 Permitted methods of Variation**

The Services may be Varied by any of the following means::

- .1 a direction of the Superintendent under clause 37.2 (Superintendent's power of direction);
- .2 the Asset Inventory Change process set out in clause 38 (Asset Inventory Changes); or
- .3 in accordance with clause 82 (Changes to the Contract).

Without limiting the foregoing, Ordered Work may be Varied in accordance with Annexure 8 (Ordered Work Conditions).

No Variation vitiates or invalidates the Contract.

37.2 Superintendent's power of direction

The Superintendent may at any time, after consulting with the Service Management Team and by written direction identified as a "Variation Direction":

- .1 change the extent of any Services,
- .2 change the character, quality, mode or frequency of performance of any Services,
- .3 require the Contractor to carry out additional work of a character similar to the Services,

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- .4 remove any Asset not automatically removed as part of the Asset Inventory Change process,
- .5 change a Performance Standard or any Contractual Time Requirement,
- .6 change an Accelerated Works Project or the Accelerated Works Program, or
- .7 implement a determination of the Service Management Team or the Senior Representatives.

37.3 No variation without authorisation

The Contractor must not vary the Services except in accordance with clause 37.1 (Variations). (This requirement does not limit the Contractor's ability to innovate in the manner in which it carries out the Services, provided it continues to meet the minimum requirements of the Contract).

37.4 No limit on Ordered Work

Nothing in this clause limits the provisions of the Contract relating to the ordering of Minor Works and Non-MSC Services.

38 Asset Inventory Changes

38.1 Incorporation of New Assets

Each New Asset automatically becomes part of the Assets (and any Asset superseded by it is automatically removed from the Assets):

- .1 upon completion of the New Asset, in the case of New Assets constructed by the Contractor; and
- .2 upon Asset Handover, in all other cases.

38.2 Asset Inventory updates

Upon completion or Asset Handover (as the case may be), the Contractor must enter details of the New Asset in, and remove from the Asset Inventory (or otherwise identify as superseded) any Assets superseded by the New Asset.

38.3 Asset Handover Notification

To initiate Asset Handover, the Superintendent must issue a written notice to the Contractor advising of the New Asset ("Asset Handover Notice").

The Asset Handover Notice must:

- .1 describe the Asset to be handed over, its location and details of the person who constructed it;

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- .2 include 'as constructed' drawings, subdivision bills of quantities and any relevant information the Shire has in relation to the New Asset; and
- .3 use formats compatible with the data schema (the nature and structure of the data) in AMIS and the Asset Inventory.

38.4 Asset Handover

The following process is initiated by the issue of an Asset Handover Notice:

- .1 Within 10 Business Days of receipt of the Asset Handover Notice the Contractor must notify the Superintendent in writing of its acceptance or rejection of the New Asset.
- .2 The Contractor may only reject a New Asset if the New Asset is not of an Acceptable Standard.
- .3 If the Contractor does not notify the Superintendent of its acceptance or rejection within 10 Business Days of receipt of the Asset Handover Notice, the Contractor is deemed to have accepted the new Asset.
- .4 If the Contractor accepts (or is deemed to have accepted) the New Asset, Asset Handover occurs on the 11th Business Day after the date of the Asset Handover Notice.
- .5 If the Contractor rejects the New Asset, the Superintendent must inspect the proposed New Asset jointly with the Contractor within 20 Business Days (or such longer period as the parties agree) of the date of the Asset Handover Notice.
- .6 If, on the joint inspection, the Superintendent determines that the New Asset is not of an Acceptable Standard, the Superintendent must issue a notice to this effect within 5 Business Days of the joint inspection and the Shire must (unless otherwise agreed and on conditions agreed) ensure that all work necessary to bring the New Asset up to an Acceptable Standard is done at no cost to the Contractor before Asset Handover occurs.
- .7 If, on the joint inspection, the Superintendent determines that the New Asset is of an Acceptable Standard, the Superintendent must, within 2 Business Days of the date of the joint inspection, issue a notice to this effect and direct that Asset Handover occurred on the 11th Business Day after the date of the Asset Handover Notice ('Mandatory Asset Handover Notice'). The Contractor may dispute a Mandatory Asset Handover Notice in accordance with the Dispute Resolution Process.
- .8 After Completion of any work required to bring the New Asset up to an Acceptable Standard in accordance with clause 38.4.6, the Superintendent must issue a further Asset Handover Notice to the Contractor with respect to that New Asset and the process set out above re-applies.

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- .9 Acceptance of a New Asset in accordance with this clause 38.4 (Asset Handover) does not preclude the Contractor from making a bona fide claim with respect to any Condition of the New Asset that was not evident from inspection or from the documentation provided to the Contractor at the time of Asset Handover. Notwithstanding the foregoing, the Contractor is not entitled at any time to make a claim with respect to the Condition (latent or otherwise) of any New Asset which was constructed by the Contractor or any Agent of the Contractor.

38.5 Measurement of Asset Inventory adjustments

Asset Inventory Changes will be measured periodically (at intervals not more frequently than monthly) and a claim for adjustment included in the Contractor's next monthly claim.

38.6 Replacement maintenance not an Asset Inventory Change

It is not an Asset Inventory Change if an Asset is removed and replaced by the Contractor as a normal part of the maintenance for that type of Asset.

However, if a Qualifying Change in Law requires the replacement Asset to be of a higher standard than the Asset it is replacing, a Variation will be issued in accordance with clauses 29.3 and 37.2 (Superintendent's power of direction). The value of the Variation will be the difference between:

- .1 the cost of supplying and installing an item of equivalent standard to the original Asset; and
- .2 the cost of supplying and installing an item of the higher standard.

39 Valuation and timing of Variations

The Superintendent must determine the value and other impacts of Variations and make any appropriate adjustments in accordance with this clause. The Superintendent's determination must be notified to the parties promptly in writing and must include all relevant information required by this clause and clause 40 (Characterisation of Variations).

39.1 Valuation of Variations generally

Except as provided by clause 39.2 (Valuation of Asset Inventory Changes), the value of each Variation must be determined as follows:

- .1 wherever possible, by agreement between the parties;
- .2 if the parties are unable to agree, by reference to any applicable rates or prices contained in the Contract, and
- .3 if there are no applicable rates or prices in the Contract, by a reasonable valuation made by the Superintendent.

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39.2 Valuation of Asset Inventory Changes

The value of Asset Inventory Changes must be determined in accordance with the Rates for Asset Inventory Change, unless otherwise required by clause 39.4 (Valuation for New Assets below Acceptable Standard) or agreed by the parties. If an Asset Inventory Change for which there is no Rate for Asset Inventory Change occurs, the valuation of the Asset Inventory Change will be determined in accordance with clause 39.1 (Valuation of Variations generally).

39.3 Indexation of Non-Continuing Variations

The value of Non-Continuing Variations with a duration in excess of one year will be Indexed, unless otherwise agreed. The Superintendent must identify and include the Applicable Index (or Indices) in his determination of value.

39.4 Valuation for New Assets below Acceptable Standard

If the Contractor has agreed with the Shire under clause 38.4.6 to provide the Services with respect to a New Asset even though the New Asset is not constructed to an Acceptable Standard, the value of the Asset Inventory Change must be determined by agreement between the parties or, if the parties cannot agree, by a reasonable valuation made by the Superintendent. In this event, the Asset Handover is deemed to occur on the 26th day after the date of the Asset Handover Notice or the date on which the valuation of the Asset Inventory Change is determined, whichever is the later.

39.5 Valuation following Mandatory Asset Handover Notice

If the Contractor has issued a Mandatory Asset Handover Notice with respect to any New Asset, the value of the Asset Inventory Change will be determined in accordance with clause 39.2 (Valuation of Asset Inventory Changes). If the Contractor successfully disputes the Mandatory Asset Handover Notice, the Contractor will be entitled to an additional amount determined by the Dispute Resolution Process as the value of work that should have been done with respect to the New Asset to bring it up to the Acceptable Standard before Asset Handover.

39.6 Role of Service Management Team

The Superintendent must consult with the Service Management Team regarding any valuation or other determination under this clause 39 (Valuation and timing of Variations).

40 Characterisation of Variations**40.1 Continuing, Non-Continuing and Funded Variations**

The Superintendent's notification of the value of any Variation must state whether the Variation is a Continuing Variation or a Non-Continuing Variation and, if it is a Non-Continuing Variation, whether it is also a Funded Variation.

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In the case of Continuing Variations, the notification must also state the Annual Value of the Variation and details of the Component Price or Prices to which it attaches.

If a Variation contains both continuing and non-continuing elements, each element may be treated as a separate Variation for the purposes of this clause.

Asset Inventory Changes will usually be Continuing Variations, but need not be.

The Superintendent has no power to determine that a Variation is a Funded Variation without the prior written agreement of the Contractor and the Shire. If the Shire wishes to consider a Funded Variation at any time, the Superintendent must issue the Contractor with a written request to quote a Funded Variation.

40.2 Continuing Variations - definition

Continuing Variations are Variations which

- .1 change the Services for the full duration of the remaining Contract Term; and
- .2 can be incorporated into the MSC without increasing the Cumulative Cash Flow Differential.

40.3 Payment for Continuing Variations

Continuing Variations are incorporated into the MSC in accordance with clause A2-3.2 (steps 1 and 2) and until their incorporation must be claimed under clause 47.2 and paid for separately from the MSC.

The amount due each month for a Continuing Variation that has not then been incorporated into the MSC is 1/12 of the Annual Value.

40.4 Annualisation and attribution to Component Prices

To enable incorporation into the MSC, the Annual Value of each Continuing Variation must be:

- .1 identified; and
- .2 apportioned between the Component Prices to which the Continuing Variation relates.

Where the nature of the Continuing Variation so requires, a new Component Price may be added to the MSC Calculation Schedule as at the next Adjustment Date.

40.5 Non-Continuing Variations - definition

Non-Continuing Variations are:

- .1 Variations that have a duration less than the remaining Contract Term such as one-off projects, Variations to individual annual

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programs and Variations made to deal with short-term events or circumstances; and

- .2 any other Variations that are not Continuing Variations.

40.6 Payment for Non-Continuing Variations

Non-Continuing Variations are claimed under clause 47.2 and paid for separately from the MSC. Unless clause 41 (Funded Variations) applies, Non-Continuing Variations are paid for by monthly progress payments.

40.7 Work Order Conditions and Non-Continuing Variations

The Superintendent may specify in any notification issued under clause 40.1 (Continuing, Non-Continuing and Funded Variations) for a Non-Continuing Variation which is in the nature of Project Works (as defined in the Work Order Conditions) that the Non-Continuing Variation is to be governed by the Work Order Conditions in the same manner as if the Non-Continuing Variation were Ordered Work.

41 Funded Variations

41.1 Funded Variations - Definition

Funded Variations are Non-Continuing Variations which are financed by a deferred payment stream.

41.2 Payment

Funded Variations are claimed under clause 47.2 and paid for separately from the MSC.

41.3 Terms applicable to Funded Variations

Unless otherwise agreed in writing, the following terms apply to any Funded Variation:

- .1 The value of the Funded Variation excluding any cost of funding ('Variation Value') will be determined in accordance with clause 39.1 (Valuation of Variations generally).
- .2 The duration of the funding (period for repayment of the Variation Value) will be agreed by the parties and need not match the remainder of the Contract Term.
- .3 The cost of funding for a Funded Variation is:
 - (a) Establishment fee - a percentage (determined in accordance with clause 41.3.4) of the Variation Value.
 - (b) Unused line fee - a percentage (determined in accordance with clause 41.3.4) applied to any undrawn portion of the Variation Value until the total Variation Value has been drawn down by way of unused line fee (draw down occurs progressively as the Variation Value is expended by the Contractor in performing the Variation; the amount drawn

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down is determined monthly by reference to the value of work then completed); and

- (c) Working capital fee - the applicable Working Capital Percentage.
- .4 The percentages to be applied for the purpose of clause 41.3.3(a) and (b) are to be determined at the time of the Variation by reference to the best of 3 quotes obtained by the Contractor from reputable banks for a loan (including a bill facility) of an equivalent term and value to a borrower of equivalent credit rating as the Shire (or, if the Contractor considers it is not practical to obtain such quotes, then by reference to applicable market rates pertaining at the time).
- .5 The monthly amount payable in respect of a Funded Variation is determined by following the same procedure as applies in determining the MSC. (For this purpose, the Variation Value is treated as a Component Price and is to be allocated to the Contract Year or Years in which it is incurred).
- .6 The Contractor is not entitled to submit any payment claim with respect to a Funded Variation until work on the Funded Variation commences.

Part 8 - Excusing Events

42 Impact on time

- 42.1 If and to the extent that an Excusing Event prevents the Contractor from carrying out any Service (other than Ordered Work) in accordance with an applicable Contractual Time Requirement, the Contractor is excused from performance of the affected Service for the duration of the Excusing Event. The Contractor must recommence performance of the affected Service as soon as practical after the Excusing Event ceases.
- 42.2 Notwithstanding clause 42.1 but subject to any other express provision of the Contract, the Contractor is not required to carry out any Service beyond the end of the Contract Term.
- 42.3 The parties acknowledge that timely identification of disruptive or delaying events is beneficial to both parties and consistent with the SLR Objectives. Both parties agree to keep the Service Management Team informed of things that may delay or disrupt the progress of any of the Services.

43 Directions to suspend Services

- 43.1 The Superintendent may direct the Contractor to suspend the whole or part of the Services for any reason for a period nominated by the Superintendent.
- 43.2 If the Superintendent directs a suspension because of a default or negligent or wrongful act or omission by the Contractor or any of its Agents:
- .1 the Contractor is not entitled to make a claim against the Shire for losses or damages the Contractor may incur or sustain in connection with the suspension, and
 - .2 subject to clause 43.4, if the suspended Services are services covered by the Monthly Service Charge, the Shire is entitled to reduce the Contractor's Monthly Service Charge payments for the period of the suspension by an amount which the Service Management Team reasonably determines to be the amount attributable to the period of the suspension, and
 - .3 subject to clause 43.4, if the suspended Services are Non-Continuing Variations or Ordered Work, the Shire is not required to pay the Contractor for the Non-Continuing Variation or Ordered Work during the period of suspension (apart from amounts due for work performed in accordance with the Contract prior to the commencement of the period of suspension); and
 - .4 the Shire may recover from the Contractor any costs it reasonably and necessarily incurs as a result of the suspension.
- 43.3 In the case of any other suspension, if the period of the suspension is likely to exceed 1 week, the Superintendent may direct that the suspension be valued as a Variation.
- 43.4 The Shire must continue at all times to pay the Back Payment Amounts and all associated fees and charges, and in this respect, the Special Arrangements will apply during any period of suspension or reduction of payment under clause 43.2.

44 Costs of delays

- 44.1 Subject to any other provision of the Contract and to this clause 44, the Contractor may claim compensation for the direct cost impacts of any delay to the Services (other than Ordered Work) caused solely by a direction or a breach of contract or negligent or wrongful act or omission on the part of the Shire or an Agent of the Shire. The Contractor must endeavour to keep any such cost impacts to a minimum.
- 44.2 The Contractor is not entitled to claim or receive any compensation under clause 44.1 if and to the extent that the delay arose out of or as a result of a direction or other action considered by the Shire or the Shire's Agent to

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be necessary or desirable due to an act, omission, default or unauthorised conduct by the Contractor or any of its Agents.

- 44.3 To be eligible to claim compensation under clause 44.1, the Contractor must be able to demonstrate to the reasonable satisfaction of the Superintendent that the cost impacts claimed were incurred as a direct and sole result of the direction or breach of contract or other action by the Shire or an Agent of the Shire and were not due in any respect to a failure by the Contractor to comply with the Contract or to manage its affairs so as to minimise the impact of any delay.
- 44.4 Clause 44.1 is the Contractor's sole and entire entitlement to compensation for the cost impacts of any delay to the Services (other than Ordered Work) arising out of or a result of an Excusing Event.

45 Relaxation of requirements

- 45.1 If an Excusing Event occurs and the Contractor's ability to achieve any Performance Standard is affected as a result, the Contractor is entitled to relief from strict compliance with the Performance Standard.
- 45.2 Unless otherwise agreed, the extent of such relief is a temporary waiver of the obligation to achieve the affected Performance Standard for a duration determined by the Service Management Team having regard to the magnitude of the Excusing Event and its detrimental impact on the ability of the Contractor to carry out its obligations under the Contract. The Contractor's obligations recommence as soon as the waiver period ends.

Part 9 – Price & payment

46 Price

- 46.1 The Price is as follows:

- .1 for the Core Services (including Design & Investigation Services for AWP Job 14 but otherwise excluding the Design & Investigation Services) - the Monthly Service Charge;
- .2 for the Design & Investigation Services (other than those required with respect to AWP Job 14) – the fee determined in accordance with the Design & Investigation Fee Schedule based on the value of each Accelerated Works Project to which the Design & Investigation Services relate and any additional fee payable under the Design & Investigation Fee Schedule;
- .3 for any Ordered Work - the price determined in the Work Order for that Ordered Work;

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- .4 for Variations not incorporated or not yet incorporated into any of the above – the price (or value) determined in accordance with part 7 (Variations); and
 - .5 any other amounts payable for the Services as determined in accordance with the Contract.
- 46.2 The Price is payable by monthly amounts determined in accordance with this part and summarised in clause A2-1 (Payments due).
- 46.3 The Price includes all fees, charges and costs incurred by the Contractor in performing the Services (including profit, overheads, attendance and supervision), except as expressly stated otherwise in this Contract.

47 Payments by the Shire

- 47.1 The Shire will pay the Monthly Service Charge by the last Wednesday of each month by direct electronic funds transfer to the Contractor's nominated account.
- 47.2 The Contractor must, not later than 10 Business Days following the end of each month, provide the Superintendent with a payment claim for the MSC and for any other amounts due for Services provided during the ended month.
- 47.3 The Superintendent must assess the Contractor's payment claim within 10 Business Days of receiving it and certify the net amount due to the Contractor.
- 47.4 The Superintendent may issue a payment certificate at any time even if the Contractor has not lodged a payment claim.
- 47.5 Within 5 Business Days of the date of the Superintendent's certificate, but subject to clauses 48.11 (Set-off), 49 (Payment of employees and subcontractors) and 60 (Performance Security), the Shire must pay the amount certified due.
- 47.6 The Contractor's payment claim under clause 47.2 and the Superintendent's assessment under clause 47.3 (if it does not agree with the Contractor's claim) must be accompanied by work papers clearly setting out the derivation of all figures.

47A Payments by the Contractor

Any money payable by the Contractor to the Shire under this Contract must be paid within 30 Business Days of the date of the Superintendent's certificate under clause 47 showing that the amount is payable.

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48 Valuation of payment claims

48.1 Valuation in accordance with this clause

Without limiting any provision of part 7 (Variations), the amount due to the Contractor on its monthly payment claims will be valued by the Superintendent in accordance with this clause 48 (Valuation of payment claims).

48.2 Monthly Service Charge

For Services to which the MSC applies, the amount due to the Contractor is the MSC.

48.3 Other lump sums

For Services to which a lump sum price (other than the MSC) applies, the amount due to the Contractor is the entire lump sum (if the lump sum is an amount per month) or an amount calculated by the Superintendent on a percentage complete or other appropriate basis to be the value of the work done during the month (in any other case). This calculation may be made on a pro-rata basis or by reference to a schedule of prices or by any other means the Superintendent considers appropriate.

48.4 Schedule of Rates

For Services covered by the Schedule of Rates, the amount due to the Contractor is determined according to the following formula:

$$P = \{\text{Sum of } (Q \times CR)\} \times S$$

where:

- P = the payment due to the Contractor,
- Q = the quantity of the Services provided,
- CR = the applicable rate for the Service at the time the Service is provided,
- S = the Job Size factor determined as follows:

S = 1.35 where the total Job Size is more than \$10,000 but does not exceed \$50,000 (excluding GST)

S = 1.15 where the total Job Size is more than \$50,000 but does not exceed \$100,000 (excluding GST)

S = 1.00 where the total Job Size is more than \$100,000 but does not exceed \$250,000 (excluding GST)

S = 0.925 where the total Job Size is more than \$250,000 but does not exceed \$500,000 (excluding GST)

S = 0.875 where the total project value exceeds \$500,000 (excluding GST).

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48.5 Daywork Rates

For Services to which the Daywork Rates apply, the amount due to the Contractor is determined in accordance with the Schedule of Daywork Rates.

48.6 Daywork, without applicable Daywork Rates

For Services carried out as Daywork where the Daywork Rates are not applicable, the amount due to the Contractor is determined on the following basis:

- .1 basic wages and allowances: - the amount of wages and allowances paid or payable by the Contractor at rates appropriate for the personnel and duties involved as established by the Contractor to the satisfaction of the Superintendent and all associated provisions for sick, annual and long-service leave; payroll tax; workers compensation and superannuation.
- .2 plant hire: - the amount of hire charges in respect of plant approved by the Superintendent for use on the work in accordance with hiring rates and conditions agreed between the parties' Representatives or, in the absence of any agreement, in accordance with rates and conditions determined by the Superintendent.
- .3 materials: - the actual cost to the Contractor at the site of the work of all materials supplied and required for the work.
- .4 subcontractors and service providers: - the amounts paid for services, subcontracts and professional fees; and
- .5 a percentage charge to cover overheads, administrative costs, site supervision, establishment costs, attendance and profit of the following amounts:
 - (a) for Daywork carried out by the Contractor itself – 27% of the total of the amount set out in clauses 48.6.1 to 48.6.3 inclusive; and
 - (b) For Daywork carried out by a subcontractor – 13% of the total of the amounts calculated under clause 48.6.4.

48.7 Alternative provisions

Where valuation provisions different from the above apply (by agreement or otherwise as determined in accordance with the Contract), the Superintendent is to apply those provisions to determine the value of the payment claim.

48.8 Payment valuation to include deductions

If the Shire intends to withhold or deduct money under any provision of the Contract (including under any Work Order Documents) or is required to do so by Law, the Superintendent should also include the amount to be

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withheld in the valuation of the claim (but failure to do so does not preclude the Shire from withholding or deducting that amount).

48.9 Payment valuation to include Service Point Value adjustments

If Service Point Values have been awarded against the Contractor or redeemed by the Contractor in accordance with clause 68 (Application of Service Points) at any time, the Superintendent should also take into account the applicable Service Point Value in valuing the claim (but failure to do so does not preclude the Shire from making the adjustment).

48.10 Payment not evidence of acceptance

Payments do not constitute evidence of the Shire's acceptance of any Service carried out by the Contractor or an admission that any Service has been carried out in accordance with the Contract (including, as applicable, any Work Order Documents).

48.11 Set off

Without limiting any other right of set-off the Shire may have under the Contract or at Law, the Shire may deduct by way of set off from any payment due to the Contractor an amount then due and payable to the Shire or the amount of any bona fide claim to money it may then have against the Contractor with respect to the Contract.

48.12 Interest

Any late payment of amounts that are properly due and payable by either party to the other under the Contract (including a previously disputed amount) will incur simple interest at the Default Rate from the day after the date on which the payment was due to (and including) the date of payment.

49 Payment of employees and subcontractors

49.1 The Contractor must, at the request of the Superintendent at any time (not more than once monthly), certify to the Superintendent that it has:

- .1 paid all wages and allowances then owing to its employees in respect of the Contract,
- .2 paid all amounts then due and payable to its subcontractors in respect of the Contract, and
- .3 made any payments that it is then required to make in respect of the Contractor's Plant.

49.2 The Superintendent may require that certification by the Contractor under clause 49.1 is confirmed by a statutory declaration.

49.3 If the Contractor does not provide when requested the certification under clause 49.1 or the statutory declaration under clause 49.2, the Shire may:

- .1 deduct such amounts as appear to be due to the Contractor's employees or subcontractors or to any third party with an interest

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in any of the Contractor's Plant from any payments to the Contractor under this Contract, and

- .2 withhold those amounts until it has been provided with evidence to the satisfaction of the Superintendent that all wages and allowances due to the Contractor's employees or amounts due to the Contractor's subcontractors or such third parties have been paid. The Superintendent must give notice to the Contractor of the withholding of any moneys by the Shire under this clause. If no such evidence is provided to the Superintendent within 7 days of the Superintendent giving notice to the Contractor that it is withholding payment, the Shire may pay to the Contractor's employees any wages and allowances, or to the subcontractors and such third parties any amounts, which appear to be unpaid, to the extent of the moneys which have been withheld from payments to the Contractor.

Nothing in this clause in any way obliges the Shire to make any payment to any of the Contractor's employees or subcontractors or any other parties. Any payments that are made by the Shire under this clause are deemed to have been made on behalf of the Contractor and the amount of the payments may be deducted by the Shire from any amounts due to the Contractor under this Contract.

50 GST

- 50.1 Prices and rates in this Contract are exclusive of GST, unless otherwise expressly stated.
- 50.2 Without limiting any other right to payment, a party making a taxable supply to the other party under or with respect to this Contract is entitled to charge the other party for the amount of any GST payable by the first party with respect to the taxable supply.
- 50.3 The party making any taxable supply under or with respect to this Contract must provide the other party with a valid tax invoice at the time of claiming payment.
- 50.4 Terms used in this clause 50 (GST) have the meanings given to them by the *A New Tax System (Goods and Services Tax) Act 1999 (Cth)*.

Part 10 - Insurances and indemnity

51 Insurances to be held

Before commencing any work under the Contract, the Contractor must insure and pay all premiums for:

- .1 workers compensation insurance in accordance with clause 52 (Workers compensation insurance),

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- .2 a public liability policy of insurance in accordance with clause 53 (Public liability insurance),
- .3 Professional indemnity insurance in accordance with clause 54 (Professional indemnity insurance), and
- .4 Motor vehicle comprehensive or third party property damage insurance in accordance with clause 55 (Motor vehicle insurance).

52 Workers compensation insurance

52.1 The Contractor's workers compensation insurance must:

- .1 cover the Contractor for workers compensation and related liabilities in accordance with the requirements of any applicable Law,
- .2 be for an amount not less than the minimum required by Law, and
- .3 be maintained at all times during the Contract Term and until the issue of the last Certificate of Contract Completion.

52.2 The Contractor indemnifies the Shire and its Agents against any liabilities, costs, penalties or additional premiums they may incur arising, whether directly or indirectly, from any provision of a Law relating to workers compensation which:

- .1 deems any Agent of the Contractor to be an employee or worker of the Shire or of an Agent of the Shire, or
- .2 otherwise makes the Shire or any of its Agents in any way responsible for, or liable to pay any monies to or in respect of, such persons, except for liabilities arising directly from the negligence of the Shire or any of its Agents.

52.3 The Contractor must also ensure that every subcontractor is insured for workers compensation and related liability in accordance with the requirements of all applicable Laws at all times when that subcontractor is undertaking work or services connected with the Contract.

53 Public liability insurance

The Contractor's public liability policy of insurance must:

- .1 cover the liability of the Contractor and its Agents to third parties,
- .2 be for an amount per occurrence of at least \$30 million or the amount determined in accordance with clause 56 (Annual review of insurance levels), whichever is the greater, and
- .3 be maintained at all times during the Contract Term and until the issue of the last Certificate of Contract Completion.

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54 Professional indemnity insurance

The Contractor's professional indemnity insurance must:

- .1 cover the Contractor for errors in design, inspection, documentation, supervision and other professional duties of, or assessments made by, the Contractor in the course of performing the Contract,
- .2 be for an amount per occurrence of at least \$5 million or the amount determined in accordance with clause 56 (Annual review of insurance levels), whichever is the greater, and
- .3 be maintained for at least 3 years after the date of issue of the last Certificate of Contract Completion.

55 Motor vehicle insurance

The Contractor's motor vehicle comprehensive or third party property damage insurance must:

- .1 cover the Contractor and others for damage caused to property by any registered or unregistered plant, equipment or motor vehicles owned or used by the Contractor or subcontractors directly in connection with performance of the Contract,
- .2 be for an amount per occurrence of not less than \$25 million or the amount determined in accordance with clause 56 (Annual review of insurance levels), whichever is the greater, and
- .3 be maintained at all times during the Contract Term and until the issue of the last Certificate of Contract Completion.

56 Annual review of insurance levels

The levels of insurance required by the Contract will be reviewed and determined by the Service Management Team as part of the Annual Review. Any additional cost incurred by the Contractor as a result of a determination under this clause will be valued as a Variation.

56A Risk of premium increases

The risk of any premium increases that occur during the Contract Term (except to the extent that they result from an increase in the level of cover determined in accordance with clause 56) is to be borne by the Contractor (on the understanding that this risk will be adequately addressed by Indexation in accordance with the Contract).

57 Policy requirements

- 57.1 All insurance policies required by the Contract must be with insurers and on terms approved by the Shire, which approval must not be unreasonably withheld.

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- 57.2 The insurances under the Contract must together cover the liability of the Shire to third parties to the extent indemnified by the Contractor under clause 59 (Indemnity).
- 57.3 The insurances required by clauses 53 (Public liability insurance), and 55 (Motor vehicle insurance) must:
- .1 note the interests of the Shire and all subcontractors, and
 - .2 include a cross liability clause in which the insurer agrees to waive all rights of subrogation.

58 Evidence of insurance

The Contractor must provide the Superintendent with evidence of the currency of the insurances required by the Contract at the commencement of the Contract, at each Annual Review and at any other time within 15 Business Days of the Superintendent's written request.

59 Indemnity

- 59.1 The Contractor indemnifies the Shire and its Agents from and against all actions, claims, losses, damages, penalties or costs (including, without limitation, all indirect losses, consequential losses and legal costs on a full indemnity basis) arising out of or in connection with any breach of contract by the Contractor or any negligent or wrongful act or omission of the Contractor or any of its Agents in the performance or purported performance of its obligations under this Contract.
- 59.2 The liability of the Contractor under this clause is reduced proportionately by the extent to which the action, claim, loss, damage, penalty or cost arose out of or in connection with a breach of contract by the Shire or a negligent or wrongful act or omission of the Shire or any of its Agents.

Part 11 - Security

60 Performance security

- 60.1 The Contractor must ensure that the Shire holds a Performance Security in accordance with this clause at all times during the Contract Term and for the further period until the Performance Security is required to be returned in full under clause 60.6.
- 60.2 The Performance Security must be a bank guarantee for an amount of \$300,000 (Indexed) and must be in a form, and from a bank with offices in Australia, approved by the Shire (acting reasonably).
- 60.3 The initial Performance Security in the amount of \$300,000 must be delivered to the Superintendent immediately upon execution of this Contract, and as a precondition to payment.

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- 60.4 In each subsequent Contract Year, the Contractor must deliver a replacement Performance Security in the amount of \$300,000 (Indexed). Replacement Performance Securities must be delivered to the Superintendent by 30 September in each Contract Year. If a replacement Performance Security is required and is not submitted by 30 September in any Contract Year, the Shire may withhold payment to the Contractor until such time as the replacement Performance Security is provided.
- 60.5 The Shire must release any superseded Performance Security within 5 days of receiving the replacement Performance Security.
- 60.6 The Shire must return the Performance Security (or the balance thereof remaining after the exercise of a right of recourse) to the Contractor as follows:
- .1 50% at the conclusion of the Contract Term; and
 - .2 the remaining 50% on the last to occur of (1) expiry of the last Defects Liability Period under the Contract and (2) 13 months after the conclusion of the Contract Term.
- 60.7 If the Shire exercises a right of recourse to the Performance Security, the Contractor must, if requested by the Shire at any time prior to the expiration period referred to in clause 60.6, provide a supplementary bank guarantee payable to the Shire to top up the Performance Security to the amount the Shire would then have been holding if it had not exercised its right of recourse.
- 60.8 The Shire is entitled to have recourse to the Performance Security at any time after giving 24 hours' notice to the Contractor:
- .1 to recover any moneys owing from the Contractor to the Shire under the Contract or otherwise; or
 - .2 if the Contractor has failed to comply with any of its obligations arising out of the Contract for which Service Points cannot be awarded; or
 - .3 if the following requirements are satisfied:
 - (a) the Pavement Performance Review undertaken in Contract Year 14 (or in any Final PPR Year during an Extended Contract Term) indicates that the Contractor has not achieved the Required PCI;
 - (b) the Contractor does not achieve the Required PCI by 30 June 2021 (or, during an Extended Contract Term, by the date set out in the applicable Cure Plan); and
 - (c) the PCI Cure Fund then held by the Shire is not adequate in the reasonable opinion of the Superintendent to compensate the Shire for the failure to achieve the Required PCI.

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Part 12 – Completion obligations

61 Defects Liability Periods

61.1 The Contractor warrants that:

- .1 the Routine Maintenance Services carried out within the last 3 months of the Contract Term will be free from defects in workmanship and materials for 3 months from the date they are completed,
- .2 each Annual Reseal Service carried out within the last 12 months of the Contract Term will be free from defects in workmanship and materials for 12 months from its completion,
- .3 each Accelerated Works Project will be free from defects in workmanship and materials for 12 months from its Completion,
- .4 each Non-MSD Service (other than one requiring temporary repairs) will be free from defects in workmanship and materials for 12 months from its Date of Completion, and
- .5 each Minor Works will be free from defects in workmanship and materials for 12 months from its Date of Completion or such lesser period as is nominated in the Work Order Documents.

61.2 If a defect in workmanship or materials becomes apparent during a Defects Liability Period, the Contractor must attend and rectify the defect at its own cost at a time approved by the Superintendent. Upon completion of the rectification work, a further Defects Liability Period of equal length to the original Defects Liability Period applies with respect to the rectification work.

61.3 This clause does not in any way limit the Contractor's obligations to provide the Services during the Contract Term

62 Transfer to new contractor

62.1 The Contractor must co-operate with the Shire and do all things reasonably required to assist the orderly transfer of the Services to another contractor in anticipation of and following the end of the Contract Term.

62.2 Without limiting clause 62.1, the Contractor may be required to:

- .1 update and demonstrate the accuracy of all databases and inventories, including the asset management database and the maintenance achievement records relating to all physical works carried out by the Contractor in the last Contract Year of the Contract Term; and

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- .2 complete all unfinished works, co-operate with the Shire in relation to the transition to a new contractor and provide for other transitional services as the Shire may reasonably require provided that, if the Contractor objects to performing other such transitional services, the Service Management Team shall determine whether, and the extent to which, the Contractor shall undertake such services, the time within which the same shall be undertaken and the amount (if any) the Shire shall pay to the Contractor in respect thereof.

63 Completion of obligations

On expiry of the Contract, the Contractor must:

- .1 leave the Assets in the Condition required by the Contract,
- .2 subject to the terms of any lease or licence then in place between the parties, vacate any property of the Shire that has been made available to the Contractor for the purposes of providing the Services,
- .3 demonstrate to the Shire that it has met all of its obligations, and
- .4 deliver to the Shire all records of the Contractor relating to the Services or the Assets reasonably required by the Superintendent.

64 Continuing obligations

64.1 Continuing obligations generally

Any provision of the Contract which is expressed to survive the termination of the Contract or which, although not expressed, needs to survive the termination of the Contract to protect the presumed intentions of the parties as evidenced by the Contract, continues until the first to occur of:

- .1 full compliance with the relevant obligation, or
- .2 7 years from the date of termination of the Contract.

64.2 Continuing obligation to pay Back Payment Amounts

The obligation to pay the Back Payment Amounts (and any associated fees and charges) continues (but is not accelerated) after termination of the Contract until they are paid in full. During this period, the Special Arrangements apply.

64.3 Special Arrangements for Back Payment Amounts

After termination (or during any other time when Special Arrangements are expressed to apply), the Back Payment Amounts are to be paid by monthly instalments with the daily Working Capital Percentage applied to the daily balance of the outstanding Back Payment Amounts on the basis of a 365 day year.

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64.4 Special Arrangements for Unused Line Fees

The following special arrangements apply with respect to any Unused Line Fee which would, but for the termination or other eventuality giving rise to the Special Arrangements, still be payable under the Contract as at the date of termination or other applicable time:

- .1 On termination under clauses 67.7, 75 (Termination for convenience) or 76 (Termination by the Contractor), the Shire must compensate the Contractor for any break or other costs or losses incurred by the Contractor as a result of reducing its financial commitment by an amount equal to any undrawn portion.
- .2 At any other time when Special Arrangements are expressed to apply, the Shire must continue to pay the Contractor each month for the duration of the Special Arrangements an amount calculated by applying the rate of 0.75% per annum to any undrawn portion.

For the purposes of this clause, 'undrawn portion' has the following meaning:

- (a) the undrawn portion of the Maximum Agreed Exposure at any date is the difference between the Cumulative Cash Flow Differential (moneys owing to Contractor) and the Maximum Agreed Exposure as at that date, assuming the Maximum Agreed Exposure has never been reached prior to that date; and
- (b) the undrawn portion of the Variation Value at any date is the portion which has not been expended in carrying out the Variation as at that date (so, if the Variation is Complete, there will be no undrawn portion).

64.5 Adjustment at end of any Special Arrangements

Where Special Arrangements have come into place as a consequence of a suspension or Force Majeure Event or other temporary eventuality, the Superintendent must make any necessary adjustment to the MSC to ensure that there is no double counting at any time.

65 Certification of Contract Completion

- 65.1 At least 6 months prior to the end of the Initial Contract Term and each Extended Contract Term, the Superintendent must review the Contractor's performance in respect of its obligations under the Contract and advise the Contractor of any outstanding Services required to be undertaken before the end of the Initial Contract Term (or the Extended Contract Term, as the case may be) in order to complete the Contract.
- 65.2 If, at the end of the Initial Contract Term or the Extended Contract Term (as the case may be), the Contractor has not met one or more of its obligations under the Contract, the Superintendent must advise the Contractor of its non-performance and (in consultation with the Service Management Team) set a timeframe within which the matters must be remedied. The Contractor must remedy the non performance within the

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required timeframe and provide documentation demonstrating satisfactory completion. If the remedial work is physical, the Superintendent will inspect it and certify completion.

- 65.3 The Superintendent will certify that the Contract is complete at the end of the Initial Contract Term and at the end of each Extended Contract Term only if the Superintendent is reasonably satisfied that the Contractor has met all of its obligations under the Contract to that time including, where applicable, compliance with clause 61 (Defects Liability Periods).
- 65.4 A Certificate of Contract Completion, once issued, evidences the Contractor's satisfactory performance and completion of the Contract to the end of the Initial Contract Term or to the end of an Extended Contract Term (as the case may be), except to the extent that the Certificate may be affected by fraud, mathematical error, dishonesty, fraudulent concealment or a latent defect.

Part 13 - Dispute resolution

66 Disputes

- 66.1 It is the intention of the parties that issues will be resolved at the level of the Service Management Team or by reference to the Senior Representatives under clause 9.18 before they become disputes or differences.
- 66.2 Notwithstanding clause 66.1, if a dispute (including a difference) arises between the Shire and the Contractor, either during the Contract Term or after its termination, as to any matter or thing connected with or arising under this Contract, either party may give to the other party a notice of the dispute.
- 66.3 Such notice must:
- .1 indicate that it is a notice under this clause, and
 - .2 give sufficient details of the dispute as to enable the party receiving the notice to ascertain the nature of the dispute alleged.
- 66.4 Within 5 Business Days of the date of receipt of any notice of dispute under this clause by the party on whom it is served ("Receipt Date"), the parties must each appoint a senior executive (not being a Senior Representative or the Superintendent or any other person ordinarily involved in the management of the Contract) with authority to resolve the dispute. Within 10 Business Days of the Receipt Date, the appointed executives of the parties must meet and must attempt in good faith to resolve the dispute.
- 66.5 If the appointed executives are unable to resolve the dispute within 20 Business Days of the Receipt Date (or within such longer period as the senior executives agree is appropriate), either party may give notice

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referring the dispute or difference to arbitration. The arbitrator must be agreed between the parties within 10 Business Days from the date of the receipt of the notice referring the dispute to arbitration by the Contractor or the Shire, as the case may be, or, failing agreement, must be nominated by the President for the time being of the Institute of Arbitrators and Mediators.

- 66.6 Clause 66.5 does not in any way require the Shire or the Contractor to refer to arbitration any dispute or difference or in any way act as a bar to the bringing of legal proceedings by the Shire or the Contractor, except that no dispute or difference may be the subject of legal proceedings, except for legal proceedings concerning the conduct of the arbitration itself or a question of law, from the time it is referred to arbitration under clause 66.5 to the end of any subsequent arbitration.
- 66.7 If reasonably possible, performance of obligations under the Contract must continue during arbitration or legal proceedings, and no payment due or payable by the Shire that is not in dispute must be withheld on account of the arbitration or legal proceedings, unless so authorised by the Contractor or by the Contract.
- 66.8 Except where inconsistent with this Contract, an arbitration under this clause must be conducted in accordance with the *Commercial Arbitration Act 1984*.

Part 14 – Force Majeure

67 Force Majeure and its effects

- 67.1 If by reason of a Force Majeure Event occurring either party is wholly or partially unable to carry out its obligations under the Contract (other than any obligations to pay any money), that party must, as soon as it becomes aware of the Force Majeure Event, give to the other party prompt notice of the Force Majeure Event together with full particulars of all relevant matters including:
- .1 details of the Force Majeure Event,
 - .2 details of the obligations affected,
 - .3 details of the action that the party has taken to remedy the situation and details of the action that the party proposes to take to remedy the situation,
 - .4 an estimate of the time during which the party will be unable to carry out its obligations due to the Force Majeure Event,
 - .5 an estimate of the costs that the party will incur to remedy the situation and the proposed funding arrangements, and

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- .6 details of all insurance moneys which the party will be able to rely upon in making good damage caused by the Force Majeure Event, and the parties must promptly meet and endeavour to identify an alternate viable means of providing those Services which are affected by the Force Majeure Event as described in the notice given under this clause.
- 67.2 Upon the notice under clause 67.1 having been given, the party giving the notice must provide the other party with all further relevant information pertaining to the Force Majeure Event.
- 67.3 The obligations of the parties will be suspended but only to the extent that and for so long as the obligations are genuinely adversely affected by the Force Majeure Event.
- 67.4 The party that has issued a notice of a Force Majeure Event under this clause 67 will not be deemed to be in default under this Contract for any failure or delay in the observance or performance of any obligations under this Contract (other than the terms of this clause) which are genuinely adversely affected by the Force Majeure Event.
- 67.5 The party that has issued a notice of a Force Majeure Event must use its best endeavours to mitigate and remedy the effects of the Force Majeure Event promptly including making reasonable expenditures of funds. Nothing in this clause requires the Contractor to expend funds and undertake work on the Assets or other property of the Shire, over and above expenditure and work that falls within the ordinary scope and volume of the paid Services, unless it is directed to do so as a Non-Continuing Variation.
- 67.6 Subject to clause 67.7, the suspension of the obligations of the parties due to a Force Majeure Event ends when the party that has issued the notice of the Force Majeure Event is able to recommence fulfilment of its obligations pursuant to this Contract at which time that party must issue a notice to that effect to the other and recommence the performance of the obligations the subject of the original notice. Upon recommencement of the performance of the obligations, a party must not invoke the provisions of this clause in regard to the same Force Majeure Event or any event consequent upon or related to the event which gave rise to the giving of the notice of the Force Majeure Event.
- 67.7 If a party is rendered wholly or partially unable to carry out its major obligations under this Contract by a Force Majeure Event for a period of more than 3 consecutive months, the parties shall meet in an endeavour to identify any alternate viable means to provide the suspended Services and failing an alternate means being agreed within 1 month of the end of the 3 month period, either party may terminate this Contract immediately by notice.
- 67.8 Nothing in this clause requires the Contractor to claim under this clause if it considers that an appropriate remedy is available under the provisions of the Contract relating to Excusing Events.

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- 67.9 The Shire is not required to pay the Contractor for any Service that is not provided during and as a consequence of a Force Majeure Event but must continue at all times to pay the Back Payment Amounts (and all associated fees and charges), and in this regard, the Special Arrangements apply. An appropriate adjustment to the MSC must be determined by the Superintendent, acting reasonably, provided that, where all of the resources of the Contractor that would otherwise be available for the performance of the Services are employed in responding to the Force Majeure Event, the Contractor is entitled to payment of the full MSC.

Part 15 –Performance Standards defaults

68 Application of Service Points

68.1 SMT may recommend application of Service Points at any time

The Service Management Team may make a recommendation to the Superintendent for the application of Service Points at any time if the Contractor:

- .1 has failed to achieve a Performance Standard (other than as a consequence of an Excusing Event); and
- .2 has been given an opportunity to Rectify the failure or to show cause under clause 68.9 (Service Point show cause) and has not done so to the Service Management Team's satisfaction.

The Service Management Team recommendation must include:

- .3 the number of Service Points to be applied (determined in accordance with clause 68.2); and
- .4 whether a deduction is also to be made of the associated Service Point Values (determined in accordance with clause 68.3.1).

68.2 Number of Service Points

The Service Management Team must take account of all relevant factors in determining the number of Service Points to be awarded in respect of any failure to achieve a Performance Standard.

Relevant factors include, without limitation, the following:

- .1 the level of severity and impact of the Contractor's failure to achieve the Performance Standard (including, as relevant, whether there is any material impact on the Assets or whether public safety has been put in jeopardy);
- .2 whether the failure to achieve the Performance Standard results from a single event or represents an ongoing and persistent course of conduct;

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- .3 whether factors beyond the Contractor's control have impacted on the ability of the Contractor to achieve the Performance Standard; and
- .4 any element of double jeopardy (where one single event has caused a failure against more than one Performance Standard or a failure against a Performance Standard in more than one respect).

The maximum Service Points that can be awarded in respect of any single occurrence of failure to achieve a Performance Standard is set out in schedule 4 (Service Points).

68.3 Applying Service Point Values

Service Point Values should only be applied where:

- (a) there are significant actual or potential financial or community consequences arising from the failure; or
- (b) the Contractor's failure indicates a disregard for its contractual obligations (for example, where the failure to achieve the Performance Standards arises from a number of defaults and failures or repeated defaults and failures); or
- (c) the failure has resulted in a material windfall or financial or other benefit for the Contractor; or
- (d) the Shire has suffered or incurred a material loss as a result of the failure.

68.4 Impact of Service Point application

In the event of the Contractor being awarded a total of 100 or more Service Points in any 3 month period, the Shire may issue the Contractor with a Termination Show Cause Notice.

In the event of the Contractor accumulating a total of 250 points in any Contract Year, the Shire may give notice of termination of the Contract in accordance with clause 72 (Powers on Contractor default) without the need for a Termination Show Cause Notice.

While a Cure Plan is in place under clause 69 (Cure of PCI Default Events) for any PCI Default Event, Service Points awarded with respect to the same PCI Default Event must not be counted for the purposes of this clause 68.4.

68.5 SMT may recommend redemptions at Annual Review

The Service Management Team may make a recommendation to the Superintendent for the redemption of any Service Points and Service Point Values as part of any Annual Review report:

- .1 (in the case of a Service Point Value only) where the failure for which the Service Point Value was applied has been Rectified without material loss to the Shire or unfair gain to the Contractor; or

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- .2 (in the case of both Service Points and Service Point Values) where the Annual Review determines that the Contractor has achieved the Performance Standard for which the Service Points or Service Point Values had previously been deducted; or
- .3 (in the case of both Service Points and Service Point Values) where, for any other reason, the Service Management Team considers it reasonable to redeem some or all of the Service Points or Service Point Values.

The Superintendent must not unreasonably withhold his concurrence to a recommendation under this clause.

68.6 Superintendent's powers

Subject to clause 68.7 and without limiting any other provision of the Contract, the Superintendent has power to:

- .1 approve the redemption of Service Points or Service Point Values following any Annual Review ; and
- .2 after consultation with the Service Management Team, apply Service Points and any associated Service Point Values at any time if the circumstances set out in clause 68.1.1 and 68.1.2 have been satisfied,

without the need for a recommendation by the Service Management Team.

68.7 Factors to be considered by Superintendent

The Superintendent must apply the same factors and principles in making any determination under clause 68.6 (Superintendent's powers) with respect to the application and redemption of Service Points and Service Point Values as the Service Management Team is required to apply in clauses 68.2 (Number of Service Points), 68.3 (Applying Service Point Values) and 69.5 (Redemptions)

68.8 Determination of failure to achieve a Performance Standard

The Contractor's failure to achieve a Performance Standard must be determined having regard to the process and evidence and relevant factors set out in schedule 3 (Performance Standards Review).

68.9 Service Point Show Cause

If at any time the Service Management Team is concerned that the Contractor has failed to achieve a Performance Standard, the Service Management Team must:

- .1 notify the Contractor in writing of:
 - (a) the Performance Standard which the Contractor is alleged to have failed to achieve;

- (b) the respect (or respects) in which it is alleged that the Contractor has failed to achieve the Performance Standard; and
 - (c) the action which the Service Management Team considers appropriate to Rectify the failure;
- .2 allow the Contractor 10 Business Days to Rectify the failure, prepare a plan for the Rectification of the failure or otherwise show cause in writing why the Service Points or Service Point Values should not be applied; and
 - .3 consider in good faith the matters submitted by the Contractor under paragraph 2 above.

68.10 SMT includes others exercising SMT powers

For the avoidance of doubt:

- .1 a reference in this clause 68 (Application of Service Points) to the Service Management Team includes a reference to the Senior Representatives or the Superintendent exercising powers conferred by clauses 8.3, 8.4 and 8.5;
- .2 if the Superintendent is making a determination under this clause 68 (Application of Service Points) by virtue of clause 8.5.2, he must first comply with clause 68.9 (Service Point Show Cause).

68.11 Service Points for PCI Default Events

Notwithstanding any other provision of the Contract:

- .1 Service Points must not be awarded for a Level 1 PCI Default Event.
- .2 Service Points must be awarded for a Level 2 PCI Default Event.

69 Cure of PCI Default Events

- 69.1 If a PCI Default Event is identified at any Pavement Performance Review, the following provisions apply in addition to the application of any Service Points under clause 68 (Application of Service Points).
- 69.2 The Contractor must, for each PCI Road Category affected by the PCI Default Event, propose a Cure Plan to be carried out at its own cost to bring the Assets back to the Required PCI and must submit the draft Cure Plan to the Service Management Team within 10 Business Days of submission of the Pavement Performance Review Report to the Shire (or, at the latest, by 15 June in the Pavement Performance Review Year).
- 69.3 The Service Management Team must review and approve the Cure Plan, if necessary after making modifications, and submit it to the Superintendent with a recommendation for adoption.

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- 69.4 The Cure Plan must specify, to the Superintendent's reasonable satisfaction:
- .1 the Contractor's plan to achieve the Required PCI before the next Pavement Performance Review Year; and
 - .2 a valuation of the work involved in undertaking the Cure Plan (being the value of the work required over and above the Core Services) ("Cure Plan Value"), which valuation must, in any Final PPR Year when the value of the work involved in undertaking all Cure Plans then required is aggregated, not be less than **\$3 million** (Indexed).

69.5 The Superintendent must advise the Contractor within 10 Business Days whether the Cure Plan is accepted or rejected.

69.6 If the Cure Plan is accepted, the Contractor must, within a further 10 Business Days:

- .1 lodge with the Shire a PCI Cure Fund in an amount equal to the Cure Plan Value; and
- .2 commence implementation of the Cure Plan.

The PCI Cure Fund must be a bank guarantee in a form, and from a bank with offices in Australia, approved by the Shire (acting reasonably).

69.7 If the Cure Plan is rejected, the Contractor must make any revisions required by the Superintendent and resubmit it within 10 Business Days of the Superintendent's notice of rejection.

69.8 Notwithstanding any review, comment, acceptance or approval by the Superintendent or the Service Management Team, the entire responsibility for the Cure Plan and for its efficacy remains at all times with the Contractor.

69.9 If the Contractor fails to:

- .1 provide a compliant Cure Plan; or
- .2 lodge a PCI Cure Fund in accordance with clause 69.6,

the Shire may:

- .3 suspend payment or terminate the Contract by notice under clause 72 (Powers on Contractor default), without the need for a Termination Show Cause Notice; or
- .4 if the failure relates to a PCI Default Event identified in the Final PPR Year, develop its own Cure Plan for the affected PCI Road Category; implement the Cure Plan within the timeframe it considers appropriate; undertake its own Pavement Performance Review and recover the cost of doing all these things from the Contractor as a debt due.

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- 69.10 If the Contractor has implemented a Cure Plan with respect to a particular PCI Road Category but has not achieved the Required PCI for that PCI Road Category by the next Pavement Performance Review, the Shire may require the Contractor to submit a further Cure Plan and PCI Cure Fund in accordance with this clause 69 (Cure of PCI Default Events).
- 69.11 If, despite provision of a Cure Plan and compliance with this clause, the Contractor has not achieved the Required PCI for a particular PCI Road Category in 3 consecutive Pavement Performance Review Years, the Shire may do either or both of the following (and without limiting its rights under clause 60.8):
- .1 after giving the Contractor 24 hours notice, have recourse to the PCI Cure Fund held for that PCI Road Category to recover:
 - (a) the amount it reasonably estimates to be required in order to bring the PCI Road Category up to the Required PCI within a 12 month period; and
 - (b) any other losses, damages, costs and expenses for which the Contractor is liable as a consequence of the PCI Default Event (in the first instance, the Shire may take the whole PCI Cure Fund if it wishes to do so, but it must account to the Contractor for its expenditure and any other amounts retained by it from the fund and must return the balance, if any, to the Contractor at the end of the 12 month period);
 - .2 terminate the Contract by notice under clause 72 (Powers on Contractor default), without the need for a Termination Show Cause Notice.
- 69.12 If the Contractor has achieved the Required PCI for a PCI Road Category at any time following implementation of a Cure Plan prepared for that purpose, the Shire must return to the Contractor the PCI Cure Fund (if any) then held by the Shire with respect to that PCI Road Category (including any further PCI Cure Fund submitted with respect to that PCI Road Category under clause 69.10).
- 69.12A For the purposes of this clause 69, the Contractor is taken to have achieved the Required PCI for any PCI Road Category:
- .1 in the case of a Level 1 PCI Default Event, on the first to occur of:
 - (a) issue by the Superintendent of a certificate of Completion of the works required by the Cure Plan; or
 - (b) a Pavement Performance Review Report for the affected PCI Road Category showing that the Required PCI for that PCI Road Category has been achieved; and
 - .2 in the case of a Level 2 PCI Default Event, when this is demonstrated by a Pavement Performance Review Report for the affected PCI Road Category.

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- 69.13 If the Pavement Performance Review in any Final PPR Year shows that the Contractor has not achieved the Required PCI for any PCI Road Category at that time, the Cure Plan submitted under clause 69.2 must provide for achieving the Required PCI by 30 June 2021 (or within 12 months, in the case of an Extended Contract Term) and the Contractor must, at its own cost, carry out all data collection and prepare a Pavement Performance Review Report by 30 June 2021 (or within 12 months, in the case of an Extended Contract Term) showing that the Required PCI has been achieved.

Part 16 – Default and termination

70 Right to do and charge

If the Contractor does not carry out an obligation under the Contract within the time required by the Contract, the Shire may, after giving the Contractor notice of the default and a reasonable opportunity (having regard to the nature and urgency of the requirement) to Rectify it, perform the obligation itself and recover the cost of doing so from the Contractor.

71 Termination show cause notice

- 71.1 Subject to clause 71.2, the Shire may give notice to the Contractor requiring it to show cause why the powers contained in clause 72 (Powers on Contractor default) should not be exercised where the Contractor:

- .1 defaults in the performance or observance of any obligation under the Contract; or
- .2 refuses or neglects to carry out or give effect to any written order, instruction, direction or determination given or made by the Shire or the Superintendent or the Service Management Team pursuant to the Contract.

- 71.2 Where a default, refusal or neglect of the kind referred to in clause 71.1 also constitutes failure to achieve a Performance Standard, the default, refusal or neglect is to be dealt with in accordance with:

- .1 clause 68 (Application of Service Points); and
- .2 in the case of a PCI Default Event, clause 69 (Cure of PCI Default Events).

- 71.3 A Termination Show Cause Notice must:

- .1 not be unreasonably given,
- .2 indicate that it is a notice under this clause, and
- .3 specify the grounds upon which it is based.

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72 Powers on Contractor default

72.1 If:

.1 the Contractor fails to show cause, within 15 Business Days after receipt of a Termination Show Cause Notice, which in the opinion of the Shire offers reasonable assurance that the default or other grounds of notice will be Rectified in a prompt and timely fashion and the Contract satisfactorily completed in accordance with its terms, or

.2 a clause of the Contract entitles the Shire to do so without the need for a Termination Show Cause Notice,

the Shire, without prejudice to any other rights that it may have under this Contract or at common law against the Contractor, may:

.3 suspend payment under the Contract (other than payment of the Back Payment Amounts – payment of these is to be ongoing, and the Special Arrangements apply), or

.4 terminate the Contract by notice to the Contractor.

72.2 The suspension of payment under this clause by the Shire, will not in any way affect the continuing obligations of the Contractor under the Contract. Suspension of payment may be continued until the default has been rectified to the Superintendent's satisfaction.

72.3 The Shire is not entitled to give a notice under this clause with respect to a failure to achieve Performance Standards unless the circumstances set out in clause 68.4 (Impact of Service Point application) are satisfied.

73 Termination for Contractor insolvency

73.1 The Shire may terminate the Contract immediately if the Contractor:

.1 being a partnership:

(a) is dissolved;

(b) any of the things identified in clause 74.1.2 happens to any of the partners;

(c) any of the partners makes an assignment for the benefit of its creditors;

(d) any of the partners becomes bound by a scheme of arrangement;

(e) any of the partners executes, as a debtor, any deed of assignment or deed of arrangement; or

(f) any of the partners has a mortgagee or other creditor take possession of any of its assets, or

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.2 being a company:

- (a) takes, or has taken or instituted against it, any action or proceeding, whether voluntary or compulsory, having as its object the winding-up of the company,
- (b) an administrator is appointed, or steps are taken for the appointment of an administrator, under any relevant Law in respect of it,
- (c) enters into a composition or other arrangement with its creditors, other than a voluntary winding-up by members for the purpose of reconstruction or amalgamation,
- (d) has a mortgagee or other creditor take possession of any of its assets, or
- (e) a receiver or receiver and manager is appointed, or steps are taken for the appointment of a receiver or receiver and manager, in respect of it.

74 Payments on termination for default or insolvency

74.1 If the Contract is terminated by the Shire under clause 72 (Powers on Contractor default) or 73 (Termination for Contractor insolvency), the Shire must pay the Contractor the Price due in respect of any part of the Services which have been properly performed and not paid for at the date of termination less the sum of:

- .1 any amount the Shire is entitled to recover from the Contractor under the Contract, and
- .2 the amount of any damages suffered or incurred by the Shire as a consequence of any default by the Contractor or as a consequence of the exercise by the Shire of its power of termination.

74.2 The amount payable under this clause is to be determined by the Superintendent and notified to the parties. The determination must be accompanied by details of the underlying calculations and the reasons for the determination.

74.3 If the amount payable under this clause as determined by the Superintendent is a positive amount, it must be paid by the Shire to the Contractor within 10 Business Days of receipt of notice of the Superintendent's determination.

74.4 If the amount payable under this clause as determined by the Superintendent is a negative amount, it must be paid by the Contractor to the Shire within 10 Business Days of receipt of notice of the Superintendent's determination.

74.5 Nothing in this clause affects clause 64 (Continuing obligations).

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75 Termination for convenience

- 75.1 The Shire may terminate the Contract at any time on 3 months' notice for any reason.
- 75.2 If the Contract is terminated by the Shire under this clause, the Shire must pay the Contractor:
- .1 the Price due in respect of any part of the Services which have been properly performed and not paid for at the date of termination less the sum of (a) any amount the Shire is entitled to recover from the Contractor under the Contract and (b) the amount of any damages suffered or incurred by the Shire as a consequence of any default by the Contractor,
 - .2 an amount to reimburse the Contractor for all materials and other items purchased by the Contractor for the Services (apart from items or materials already paid for as part of the Price), provided that good title and possession in those items or materials passes to the Shire upon payment,
 - .3 an amount to reimburse the Contractor for all costs and liabilities incurred by the Contractor in and for the future performance of the Contract (apart from items already paid for as part of the Price), provided that wherever possible and required by the Shire the benefit of the costs or liability incurred is transferred to the Shire upon payment,
 - .4 an amount to reimburse the Contractor for all demobilisation costs reasonably and necessarily incurred by the Contractor as a consequence of the early termination,
 - .5 an amount to reimburse the Contractor for all redundancy and employee relocation costs reasonably and necessarily incurred by the Contractor as a consequence of the early termination,
 - .6 loss of profit at :
 - (a) the rate of 7.5% of the outstanding value of the Flat Base Annual Service Charges for the balance of the Contract Term remaining at the date of termination ("Remaining Term") inflated at 2.5% per annum for the Remaining Term, and discounted back to a present value using the Bank Bill Rate; and
 - (b) the rate of 7.5% per annum of the outstanding value of any terminated Work Order or Non-Continuing Variation (except that if the terminated Work Order or Non-Continuing Variation would have had a term in excess of one year, then the loss of profit is to be calculated at the rate of 7.5% per annum of the outstanding value of the Work Order or Non-Continuing Variation remaining at the date of termination ("Remaining Term") inflated at 2.5% per annum for the Remaining Term,

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and discounted back to a present value using the Bank Bill Rate).

- 75.3 The Contractor has a duty to do what it reasonably can to ensure that the costs recoverable from the Shire under clause 75.2 are minimised. The Contractor must consult with the Shire prior to incurring costs under clause 75.2.4 (demobilisation) and clause 75.2.5 (redundancy and employee costs).
- 75.4 Without limiting anything in clause 75.2, amounts recoverable by the Contractor under clause 75.2 include costs incurred by an Agent of the Contractor where it is reasonable for the Agent to seek reimbursement of those costs from the Contractor.
- 75.5 The amount payable under this clause is to be determined by the Superintendent and notified to the parties within 10 Business Days after receipt of a payment claim from the Contractor (which payment claim must not, unless otherwise agreed, be submitted until after the actual date of termination of the Contract). The Superintendent's determination must be accompanied by details of the underlying calculations and the reasons for the determination.
- 75.6 If the amount payable under this clause as determined by the Superintendent is a positive amount, it must be paid by the Shire to the Contractor within 10 Business Days of receipt of notice of the Superintendent's determination.
- 75.7 If the amount payable under this clause as determined by the Superintendent is a negative amount, it must be paid by the Contractor to the Shire within 10 Business Days of receipt of notice of the Superintendent's determination.
- 75.8 Nothing in this clause affects clause 64 (Continuing obligations).

76 Termination by the Contractor

- 76.1 If the Shire has failed to pay to the Contractor any amount due under the Contract (other than an amount which is the subject of a dispute or difference under the Contract or any legal proceedings commenced in respect of the Contract), within 10 Business Days after it becomes payable in accordance with the Contract, the Contractor may give notice to the Shire stating that notice of termination under this Contract may be served if payment is not made within a further 10 Business Days. If the Shire fails to make payment within 10 Business Days of receipt of such notice, the Contractor may, by further notice to the Shire, either suspend the performance of the Services or terminate the Contract. Any suspension of the Services under this clause does not prevent the Contractor later terminating the Contract, including during the period that the performance of the Services is suspended.
- 76.2 Upon termination of the Contract by the Contractor under this clause, without prejudice to the accrued rights or remedies of either party or the other liabilities of the parties, the Superintendent must make a

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determination in accordance with clause 75 (Termination for convenience) and payment must be made in accordance with that clause.

Part 17 - General

77 Notices

- 77.1 A notice required or permitted to be given by one party to another under this Contract must be legible and in writing and must be addressed to the recipient party at the address given in Schedule 1 (Contract Details) or at any other contact address more recently provided.
- 77.2 A notice given to a party in accordance with this clause must be treated as having been duly given and received:
- .1 if handed to the party's representative, immediately,
 - .2 if delivered to a party's address, on the day of delivery,
 - .3 if sent by pre-paid mail, on the third day after posting, or
 - .4 if transmitted by facsimile to a party's facsimile number and a correct and complete transmission report is received, on the day of transmission, or
 - .5 if sent by email, at the time of receipt as recorded by the recipient's computer system.
- 77.3 If the time or fact of receipt of any notice may have consequences under the Contract or at Law, the party sending the notice is responsible to ensure that the notice is in fact received by the other party. Action required by this clause may include courier delivery receipt, follow-up phone call or automatically generated email receipt.
- 77.4 SMS or instant messaging may not be used for giving notices required by the Contract. Any such communications must be confirmed by way of a notice given as above.

78 Relationship between the parties

- 78.1 There is no partnership, or intention to create a partnership, between the parties and no fiduciary duties.
- 78.2 If the Contractor consists of two or more parties:
- .1 this Contract binds each of them severally and jointly; and
 - .2 a representation, warranty or undertaking made by the Contractor is made by each of them.

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78.3 The Contractor must not:

- .1 hold itself out as being an agent of the Shire or being in any other way entitled to make any contract on behalf of the Shire or to bind the Shire to the performance, variation, release or discharge of any obligation, or
- .2 hold out its Agents, or allow its Agents to hold themselves out, as being employees or agents of the Shire.

79 Legal operation

- 79.1 The Contract does not fetter or restrict the powers or discretions of the Shire in the exercise of its statutory functions.
- 79.2 The rights and remedies of a party under the Contract are not waived by any conduct unless an intention to waive rights and remedies is expressed in writing.
- 79.3 If a provision of the Contract is held to be illegal, invalid, void, voidable or unenforceable, that provision must be read down to the extent necessary to ensure that it is not illegal, invalid, void, voidable or unenforceable. If it is not possible to read down a provision as required in this clause, the offending part of the provision is severable without affecting the validity or enforceability of the remainder of the Contract.
- 79.4 This Contract may be amended only by a written instrument duly executed by the parties.
- 79.5 For the avoidance of doubt, the parties agree that, notwithstanding the date of execution of the Contract, the Services provided to the Shire by the Contractor on and from the Commencement Date are governed by the Contract.

80 Entire agreement

- 80.1 The Contract constitutes the whole understanding between the parties and embodies all terms and conditions under which the Services are to be performed by the Contractor. All previous negotiations and understandings between the parties on this subject matter cease to have effect from the Commencement Date.
- 80.2 The Prior Contract is terminated on and from the Commencement Date.

81 No assignment

- 81.1 The Contractor must not assign any of its rights or novate any of its rights or obligations under the Contract, except with the prior written consent of the Shire.
- 81.2 Consent to assignment or novation may be given subject to conditions the Shire considers appropriate. All reasonable internal and external costs of

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the Shire (including reasonable legal and other consultants' costs) in considering and documenting any assignment or novation requested by the Contractor are to the Contractor's account.

- 81.3 A change in control of either or both of the parties comprising the Contractor (where "control" has the meaning given in s50AA of the Corporations Act 2001 (Cth)) is deemed to be an assignment for the purposes of this clause.

82 Changes to the Contract

All changes to the Contract (other than changes authorised and made in accordance with an express provision of the Contract) must be agreed in writing by the parties.

83 Governing law and jurisdiction

This document is governed by Victorian law and the parties submit to the non-exclusive jurisdiction of the courts of Victoria.

Part 18 - Interpretation

84 Document change management

- 84.1 So as to identify and keep track of changes to the Contract Documents, the Superintendent will, within 10 Business Days of the date of execution of the Contract:

- .1 compile 2 complete sets of the Contract and provide one of those sets to the Contractor, and
- .2 establish and thereafter maintain up to date at all times a Contract Document register containing:
 - (a) the then current version number and date of each Contract Document,
 - (b) a summary of all agreed changes made to the Contract Documents including the date on which each version or revision became effective (for example the date of any applicable Variation direction), and
 - (c) a copy of all superseded Contract Documents.

- 84.2 Not used

- 84.3 Each party must ensure that procedures are in place and enforced to ensure that the persons administering the Contract or performing any Services have at all times access to the Current version of the Contract and that outdated versions are withdrawn from use. Where documents are kept in electronic format, a back up must be kept and the media must

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be tested from time to time and updated where appropriate to ensure ongoing accessibility and integrity of the records.

- 84.4 If there is a discrepancy between a version of a Contract Document and any other version, the Current version held by the Superintendent in the Contract Document register prevails (subject to proven error, negligence or fraud).
- 84.5 For the purposes of any dispute, claim or action under or concerning the Contract, the Contract Document register held by the Superintendent will be conclusive as to the terms of the Contract applicable at the 'point in time' relevant to the dispute (subject to proven error, negligence or fraud).
- 84.6 The Contractor is entitled to have access to a hard copy and to a write-protected soft copy of the Contract Document register at any time upon the giving of reasonable notice.

85 Interpretation

- 85.1 The following rules apply in the interpretation of this Contract, except where the context or words used indicate otherwise:
- .1 headings and underlinings are for convenience only and do not affect interpretation,
 - .2 words expressed in the singular include the plural and vice versa,
 - .3 a reference to a gender includes a reference to each other gender,
 - .4 where a term is assigned a particular meaning, other grammatical forms of that term have a corresponding meaning,
 - .5 a reference to a person includes a reference to a firm, corporation or other corporate body and vice versa,
 - .6 a reference to any Law is a reference to any Law amending, consolidating or replacing the named Law,
 - .7 a reference to an Act includes all regulations, proclamations, planning schemes, local laws and by-laws made under that Act,
 - .8 a reference to any thing (including the Contract, a clause or provision of the Contract, the Services or the Assets) includes the whole or any part of that thing,
 - .9 a reference to a schedule, annexure or a clause in a Contract Document means a reference to a schedule or annexure to, or a clause of, that Contract Document,
 - .10 'including' is not a word of limitation,
 - .11 a reference to a party in a document includes that party and its successors, permitted assigns, receivers, receivers and managers, liquidators, administrators and legal personal representatives,

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- .12 a reference to a Contract Document is a reference to the Current version of that document, unless otherwise stated (and subject to proven error, negligence or fraud), and
 - .13 a reference to any document (other than a Contract Document) is a reference to that document as updated or changed from time to time.
- 85.2 The Contract must not be interpreted to the disadvantage of one party on the basis that that party prepared or put forward any document comprising part of the Contract.
- 85.3 Terms used in the Contract and defined in Law, such as 'tax invoice', 'adjustment note' and 'taxable supply' have the meanings given to them by Law, where this is consistent with the context.
- 85.4 If there is any discrepancy or inconsistency between the Contract Documents, the Service Management Team must make a determination as to the proper interpretation of the Contract and if necessary must recommend that the Superintendent direct a Variation.
- 85.5 In this Contract, a reference to "\$" or "dollars" is a reference to Australian dollars.
- 85.6 Where an act or thing is to be done on or by a particular day and that day is not a Business Day, the act or thing (in the case of a payment of money) must be done on or by the preceding Business Day and (in any other case) on or by the next Business Day.

86 Indexation of amounts

Where the Contract refers to an amount of money as being "Indexed", that amount will be indexed for movement in the Applicable Index as at each Adjustment Date in accordance with clause A2-4 (Indexation adjustment)

87 Reference Documents

- 87.1 Where documents are referred to in the Contract, the Contractor must make itself aware of the requirements of the respective documents. The Shire will not consider any claim resulting from the Contractor failing to become acquainted with the various documents included or referred to in the Contract.
- 87.2 As at the Commencement Date, the Current version of a Reference Document is the version identified in the CD-ROMs forming part of schedule 5 (Reference Documents), unless and until a Variation is issued identifying a change or update to that version. Changes or updates are recorded and version control is maintained in accordance with clause 84 (Document change management). If a Reference Document is not included on the CD-Roms forming part of schedule 5 (Reference Documents), the Current version of that document is the version that was current as at 1 April 2005.

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88 Counterparts

This Contract may be executed in any number of counterparts.

Part 19 – Contract extensions

89 Contract extensions

- 89.1 Subject to the requirements of any Law, the Shire may, following each satisfactory Annual Review from and including the Annual Review at the end of Contract Year 6, award the Contractor an option to extend the duration of the Contract in each case by one year (each such awarded option being an "Extension Option").
- 89.2 Except as provided in clause 89.4, all Extension Options must be exercised together.
- 89.3 If an Extension Option is exercised in accordance with this clause 89, the Contract will continue during any Extended Contract Term mutatis mutandis on the same terms as applied as during the Initial Contract Term except that:
- .1 the provisions of the Contract relating to Required PCI will not apply, unless agreed as part of an Asset Management Services Refresh;
 - .2 during any period when the Required PCI does not apply, clause 8.5.1 will also not apply;
 - .3 the Component Price for Condition Monitoring that applied during PPR Year 14 (as Indexed) will apply during any Pavement Performance Year in the Extended Contract Term, unless otherwise agreed as part of an Asset Management Services Refresh; and
 - .4 the Unused Line Fee reapplies, with the Maximum Agreed Exposure re-set at the figure which is the highest Cumulative Cash Flow Differential applying during the Extended Contract Term as shown on an MSC Calculation Schedule prepared for the purpose of the Extended Contract Term.

All other Component Prices and rates continue as at the prices applicable in Contract Year 15 but Indexed in accordance with the Contract.

- 89.4 The Contractor must give notice of its intention to exercise the Extension Options by 5pm on 31 December 2020 (or, during any Extended Contract Term, by 5pm on 31 December in the last Contract Year of the Extended Contract Term). If an Extension Option is awarded after 31 December 2020 (or other applicable 31 December), that Extension Option is carried over to the Extended Contract Term as an unexercised Extension Option, unless the parties agree otherwise.

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- 89.5 The notice of intention to exercise the Extension Options must be accompanied by a binding fully priced and detailed offer for an Asset Management Services Refresh. The Contractor's offer must include:
- .1 the program of works required to achieve the Required PCI during the Extended Contract Term;
 - .2 any material assumptions on which the program is based;
 - .3 any matters reasonably requested by the Shire's Asset Management Specialist or by the Service Management Team;
 - .4 any changes to the Component Prices for Annual Reseal Services and Condition Monitoring to apply during the Extended Contract Term (if the Asset Management Services Refresh is adopted by the Shire); and
 - .5 a spreadsheet showing the total MSC payable during the Extended Contract Term using the applicable Component Prices and based on spreading the cost of the Annual Reseal Services evenly across the Extended Contract Term (where the Working Capital Percentage and rate of Unused Line Fee remain the same as they were during the Initial Contract Term); and
 - .6 any other matters material to the offer.
- 89.6 The Contractor's offer for an Asset Management Services Refresh remains open for acceptance until 5pm on 31 March 2021 (or, during any Extended Contract Term, until 5pm on 31 March in the last Contract Year of the Extended Contract Term). Acceptance must be confirmed in writing.
- 89.7 Extension Options remain open for exercise until 5pm on 30 April 2021 (or, during any Extended Contract Term, until 5pm on 30 April in the last Contract Year of the Extended Contract Term). Extension Options must be exercised by notice in writing. For the avoidance of doubt, the Contractor is not obliged to exercise an Extension Option just because it has issued a notice of intention to do so under clause 89.4.
- 89.8 If the Contractor exercises any Extension Option in accordance with this clause 89, the terms applying during the Extended Term (consistent with this clause and any agreement reached by the parties for an Asset Management Services Refresh) will be recorded in a deed of variation and extension prepared by the Shire. The parties must their best endeavours to agree and sign the deed before 20 June 2021 (or, during any Extended Contract Term, before 20 June of the last Contract Year of the Extended Contract Term).
- 89.9 For the avoidance of doubt, during any Extended Contract Term:
- .1 clause 89.1 continues;
 - .2 Contract Years continue at all times to be numbered consecutively so that the first year of the first Extended Contract Term will be

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"Contract Year 16" and the Shire will be entitled to award further options from the 1st year of any Extended Contract Term; and

.3 Pavement Performance Review Years (if applicable) are as follows, unless otherwise agreed:

- (a) if the option-period is equal to or less than 3 years, the last (or only) year is the Pavement Performance Review Year; and
 - (b) if the option period is more than 3 years, every 3rd year and the last year are Pavement Performance Review Years.
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Schedule 1
Contract Details

Schedule 1 - Contract Details

Item	Details
Item 1	<p>The initial Senior Representatives are:</p> <p>For the Shire – Bruce Douglas, Director Sustainable Infrastructure</p> <p>For the Contractor – Sergio Cinerari, Chief Operating Officer, Southern Central</p>
Item 1A	<p>The initial members of the Service Management Team are:</p> <p>Shire representatives</p> <ul style="list-style-type: none"> • John Annear, Manager Infrastructure Maintenance • Sophia Schyschow, Manager Infrastructure Strategy • Peter Young, Road Maintenance Coordinator <p>Contractor representatives</p> <ul style="list-style-type: none"> • Drew Morrison, Contract Manager • Steve Pittonet, General Manager - Maintenance / Civil - Southern Region • One other, to participate as and when required by the Contractor.
Item 2	<p>The initial members of the Contractor Operations Team are:</p> <ul style="list-style-type: none"> • Drew Morrison, Contract Manager • Graham Riley – Community Liaison Officer • Frank Alacqua – Team Leader Routine Maintenance
Item 3	<p>The initial members of the Shire Operations Team are:</p> <ul style="list-style-type: none"> • Peter Young, Road Maintenance Coordinator • John Ault-Connell, Senior Engineer • Derek Rotter, Project Manager – Team Leader
Item 4	The initial Superintendent is: Bruce Douglas
Item 5	The initial Contract Manager is: Drew Morrison
Item 6	<p>Relevant addresses for service of notices are as follows:</p> <p>Shire</p> <p style="margin-left: 150px;">By mail: 90 Besgrove Street, Rosebud, Victoria 3939 (attn: General Manager)</p> <p style="margin-left: 150px;">By fax: 03 5950 1268</p>

Schedule 1
Contract Details

Item	Details		
Item 6 (contd)	Superintendent	By mail:	90 Besgrove Street, Rosebud, Victoria 3939 (attn Director Sustainable Infrastructure)
		By fax:	03 5950 1268
	Service Management Team	All notices to the Service Management Team must be addressed to the Service Management Team c/- the Contract Manager and must be sent to the Contract Manager's address	
	Contract Manager	By mail:	PO Box 3081 Mornington 3931
		By hand:	140 Watts Rd, Mornington Victoria, 3931 (attn: Mr Drew Morrison)
		By fax:	03 5975 7988
	Shire's Senior Representative	By mail:	90 Besgrove Street, Rosebud, Victoria 3939 (attn Director Sustainable Infrastructure)
		By fax:	03 5950 1268
	Contractor's Senior Representative	By mail:	Locked Bag 1014 Port Melbourne Vic 3207 (Attn: Chief Operating Officer, Southern Central)
		By hand:	Level 2, 650 Lorimer St Port Melbourne, Vic 3207 (Attn: Chief Operating Officer, Southern Central)
		By fax:	03 8645 0850
	Contractor:	By mail:	Level 11, 468 St Kilda Road, Melbourne Victoria 3004 (attn: Chief Executive Officer)
		By fax:	03 9864 0851

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Schedule 2
Annual Review Scorecard

Schedule 2 - Annual Review Scorecard

Date: _____ Annual Review Scorecard

SAFER LOCAL ROADS		Scoring of Contractor 0 - 4			Scoring of Shire 0 - 4		
ITEM	CRITERIA	Shire Score	Contractor Score	AVERAGE SCORE	Shire Score	Contractor Score	AVERAGE SCORE
1.0	DELIVERY OF WORKS, SERVICES & PROGRAMS						
1.1	Contractors (and subcontractors where appropriate) skills in inspections, reporting, recording & service delivery						
1.2	Staff development / training						
1.3	Level of local employment						
1.4	Plant resources, age, condition, badging (including subcontractors)						
1.5	Meeting of agreed actions within timeframes						
1.6	Inspection, recording and reporting on Asset condition / safety						
1.7	Maintaining of Asset Inventory						
1.8	Quality of monthly meetings (agendas & minutes), reports, including monthly report to Council						
1.9	Timely delivery of Services outside MSC, including reports						
1.10	Development, implementation and operation of programs						
1.11	Management and supervision of Contract						
1.12	Accelerated Works Program						
	Sub-total						

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SAFER LOCAL ROADS		Scoring of Contractor 0 - 4			Scoring of Shire 0 - 4		
ITEM	CRITERIA	Shire Score	Contractor Score	AVERAGE SCORE	Shire Score	Contractor Score	AVERAGE SCORE
2.0	PERFORMANCE / QUALITY OF WORKS						
2.1	Auxiliary works for reseals, repairs to bituminous surface, crack sealing, emergency pavement repairs, local shape correction & pavement sweeping						
2.2	Annual Reseal Program						
2.3	Accelerated Works Projects						
2.3A	Ordered Work						
2.4	Grading unsealed roads, resheeting unsealed roads and dust suppression						
2.5	Pot hole repair and shoulder edge break repair						
2.6	Grading unsealed shoulders and resheeting unsealed shoulders						
2.7	Local scour repair, minor repair lined drains and clear open drains						
2.8	Pit / drainage structure repair						
2.9	Retarding basin maintenance & stormwater / drainage pumps						
2.10	Bridge & major culvert maintenance						
2.11	Footpath repairs, kerb & channel repairs & traffic island maintenance						
2.12	Boat ramp maintenance						
2.13	Operation of Emergency Management						
2.14	Operation of Call Out Services						
	Sub-total						
3.0	SAFETY						
3.1	Operation of quality management system (being part of the Integrated Management Plan)						
3.2	Operation of risk management system (being part of the						

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Schedule 2 Annual Review Scorecard

SAFER LOCAL ROADS		Scoring of Contractor 0 - 4			Scoring of Shire 0 - 4		
ITEM	CRITERIA	Shire Score	Contractor Score	AVERAGE SCORE	Shire Score	Contractor Score	AVERAGE SCORE
3.3	Integrated Management Plan)						
3.3	Operation of asset maintenance plan						
3.4	Operation of OH&S system (being part of the Integrated Management Plan)						
3.5	Operation of Environmental Management System (being part of the Integrated Management Plan)						
	Sub-total						
4.0	COMMUNITY CARE						
4.1	Commitment to Peninsula Way -- seeing the matter from the customer's point of view, connected with the community, community satisfaction & responsiveness to the community's diverse needs						
4.2	Timely service (to service requests, letters, emails)						
4.3	Community and internal education, awareness, information and opportunity for input						
4.4	Professionalism and skills of customer service staff, including training, quality of info in letters, service requests & emails						
4.5	Complaint(s) about service provided by staff member(s) (internal & external)						
4.6	Traineeship / work experience opportunities						
4.7	Commitment to employment of local contractors						
	Sub-total						
5.0	INNOVATION / ADDED VALUE						
5.1	Commitment level to innovation and added value, including responsiveness to changing needs						
5.2	Sustainable service enhancements provided						
5.3	Through investment, service enhancements provided						

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Schedule 2 Annual Review Scorecard

SAFER LOCAL ROADS		Scoring of Contractor/D - 4			Scoring of Shire 0 - 4		
ITEM	CRITERIA	Shire Score	Contractor Score	AVERAGE SCORE	Shire Score	Contractor Score	AVERAGE SCORE
5.4	Evidence of continuous improvement (doing things smarter)						
5.5	Level of proactiveness						
	Sub-total						
6.0	QUALITY RELATIONSHIP MANAGEMENT						
6.1	Linkages / integration with Shire & other Contractors, including commitment to and success of quality relationship (seamless service)						
6.2	Level of resource sharing (human, materials and/or plant) in delivering service outcomes						
6.3	Health of quality relationship						
6.4	Level of team approach into positions and appointments						
6.5	Commitment to deal with issues in an environment of trust, co-operation, respect and openness						
	Sub-total						
	TOTAL						

- 0 – Unsatisfactory performance (non-conformances issued)
- 1 – Failing to achieve Contract requirements (written non-performances or corrective actions issues raised)
- 2 – Achieving Contract requirements in most areas (may have resulted in the need for action)
- 3 – Meeting Contract requirements (nil or minor issues raised)
- 4 – Exceeding Contract requirements

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Schedule 3
Performance Standards Review

Schedule 3 – Performance Standards Review

Measurement of achievement of Performance Standards

PS1 Performance Standard 1 (Accelerated Works Program)¹

PS1.1 Compliant design

Process/evidence: Identify each project designed during the period covered by the review.
Determine, with respect to each, the extent of design required and whether the design is compliant.

Relevant factors²: No. of designs.
Nature or extent of non-compliance (if any).
Shire approval of non-compliance.

PS1.2 Compliant construction

Process/evidence: Identify each project constructed during the review period.
Determine, with respect to each, whether the construction is compliant.

Relevant factors²: No. of projects constructed.
Nature or extent of non-compliance (if any).
Performance against Item 2.3 (Accelerated Works Projects and Ordered Work) of the most recent Annual Review Scorecard.

PS1.3 Progress is consistent with Accelerated Works Program

Process/evidence: Review actual delivery against Accelerated Works Program.

Relevant factors²: Any agreed changes to the AWP.
Impact of delay (if any) by MPSC Design Team.
Performance against Item 1.12 (Accelerated Works Program) of the most recent Annual Review Scorecard.

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PS1.4 Compliance with defects liability obligations for completed works

Process/evidence: Identify each completed project with an outstanding defects period.

With respect to each completed project:

- Identify any defects outstanding at Completion and whether they have been rectified.
- Identify any subsequent defect notices and whether they have been complied with.

Relevant factors²: Existence of bona fide dispute regarding the existence or cause of a defect.

PS2 Performance Standard 2 (Routine Maintenance Services)

PS2.1 Defects are Rectified within their applicable Response Times and in accordance with the Activity Specifications.

Process/evidence: Review AMIS records to determine number of Defects and the period taken to respond to them. Review non-conformance records and reports. Assess compliance with Response Times. Assess compliance with Rectification obligations.

Relevant factors²: No. of Defects.
Level of non-compliance, if any, having regard to volume of Defects and call-outs.
Performance against Item 2 (Performance/Quality of Works) of the most recent Annual Review Scorecard.

PS2.2 Compliance with clause A4-3 (Network maintenance obligations)

Process/evidence: Review AMIS records and non-conformance records and reports. Assess compliance.

Relevant factors²: Performance against Item 2 (Performance/Quality of Works) of the most recent Annual Review Scorecard.

PS3 Performance Standard 3 (Safety)

PS3.1 All Services are carried out in accordance with all applicable OH & S Laws and codes of practice.

Process/evidence: Identify any notices issued by WorkCover or complaints made to the Shire about safety issues.
Review Contractor safety statistics for the Contract.
Audit of IMP as regards the Contractor's safety management processes and procedures (if the Shire considers appropriate).

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Relevant factors²: Performance against Item 3 (Safety) of the most recent Annual Review Scorecard.

Nature and cause of any incidents occurring.

PS3.2 Attention to the identification and management of safety risks and hazards before and during the performance of the Services and upon the occurrence of any incident of near miss.

Process/evidence: Identify what processes the contractor has in place and whether these are complied with.
Audit IMP safety components (if Shire considers appropriate).

Relevant factors²: Performance against Item 3 (Safety) of the most recent Annual Review Scorecard.

PS3.3 Compliance with clause A3-27 (Safety)

Process/evidence: Identify what processes the contractor has in place and whether these are complied with.
Review Contractor safety statistics for the Contract (including internal and potential impact on others).
Audit of IMP as regards the Contractor's safety management processes and procedures (if the Shire considers appropriate)
Identify reports made by the Contractor concerning safety improvement works on the Network.
Review any relevant non-conformance and audit reports (for example, regarding management of signage and liaison with Utilities).

Relevant factors²: Performance against Item 3 (Safety) of the most recent Annual Review Scorecard.

PS3.4 Compliance with clause A3-28 (Traffic management)

Process/evidence: Review number of accidents, incidents and near misses (if any) at Worksites and consider causes.
Review any applicable non-conformance and audit reports.
Review training records of Contractor personnel

Relevant factors²: Performance against Item 3 (Safety) of the most recent Annual Review Scorecard.

PS3.5 Compliance with clause 32 (Protecting people)

Process/evidence: Review Contractor compliance with reporting obligations regarding injuries and other matters.

Relevant factors²: Performance against Item 3 (Safety) of the most recent Annual Review Scorecard.

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PS3.6 No action is taken under the Contract with respect to a Safety Breach.

Process/evidence: Identify directions given under clause 32.5 (if any)

Relevant factors²: N/A

PS4 Performance Standard 4 (Contract Management)

PS4.1 Compliance with clause A3-11 (Integrated Management Plan)

Process/evidence: Identify that the Contractor has an Integrated Management Plan and that it complies with the requirements of the Contract.

Identify the steps (if any) taken by the Contractor to ensure the IMP remains effective.

Relevant factors²: N/A

PS4.2 Compliance with the Integrated Management Plan

Process/evidence: Identify conformance reports, audit reports and other relevant evidence of compliance with the processes set out in the IMP.

Relevant factors²: Performance against Item 1.1 (Contractor's skills in inspections, reporting, recording & service delivery) of the most recent Annual Review Scorecard.

Performance against Item 1.2 (Staff development/training) of the most recent Annual Review Scorecard.

Performance against Item 1.8 (Quality of monthly meetings, reports, including monthly report to Council) of the most recent Annual Review Scorecard.

Performance against Item 3 (Safety) of the most recent Annual Review Scorecard.

PS4.3 Compliance with clause A3-12 (Management of the Contract)

Process/evidence: Identify issues arising during the relevant year and how they have been handled.

Relevant factors²: Performance against Item 1.5 (Meeting of agreed actions within timeframes) of the most recent Annual Review Scorecard.

Performance against Item 1.8 (Quality of monthly meetings etc) of the most recent Annual Review Scorecard.

Performance against Item 1.11 (Management and supervision of Contract) of the most recent Annual Review Scorecard.

Performance against Item 6 (Quality relationship management) of the most recent Annual Review Scorecard.

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- PS4.4 Issues arising in the management of the Contract are identified early and promptly referred to the Service Management Team**
- Process/evidence: Identify issues that could give rise to disputes and whether they have been referred promptly to the SMT.
- Relevant factors²: The existence of a bona fide dispute.
Performance against Item 6 (Quality relationship management) of the most recent Annual Review Scorecard.

- PS4.5 Compliance with the Contractor's obligations under clause 9 (Service Management Team)**
- Process/evidence: Identify number of meetings and whether agendas and minutes were prepared.
- Relevant factors²: Level of co-operation from Shire and inter-dependence of SMT operations.
Performance against Item 6 (Quality relationship management) of the most recent Annual Review Scorecard.

PS5 Performance Standard 5 (Interface with Shire and Customers)

- PS5.1 90% of calls are answered within 20 seconds and 100% are answered within 120 seconds**
- Process/evidence: Identify number of calls taken and time in which they were answered. Determine the applicable percentage.
If accurate records are not available, review applicable audit reports and customer complaints (if any).
- Relevant factors²: Performance against Item 4.2 (Timely service) of the most recent Annual Review Scorecard.
Performance against Item 4.5 (Complaints about service) of the most recent Annual Review Scorecard.
Performance against customer satisfaction surveys during the relevant Contract Year or other applicable period.
- PS5.2 The number of calls made by the caller held longer than 10 seconds does not exceed 3%**
- Process/evidence: Identify number of calls taken, in which the caller was put on hold. Identify the length of time the caller was on hold on each occasion. Determine the applicable percentage.
If accurate records are not available, review applicable audit reports and customer complaints (if any).

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Relevant factors²: Performance against Item 4.2 (Timely service) of the most recent Annual Review Scorecard.

Performance against Item 4.5 (Complaints about service) of the most recent Annual Review Scorecard.

Performance against customer satisfaction surveys during the relevant Contract Year or other applicable period of review.

PS5.3 Calls are answered by the Contractor's staff in person between the hours of 7.00 am until 6.00 pm Monday to Friday (excluding public holidays).

Process/evidence: Review call registers, work records, audit reports and non-conformance reports.

Relevant factors²: Performance against Item 4.2 (Timely service) of the most recent Annual Review Scorecard.

Performance against Item 4.5 (Complaints about service) of the most recent Annual Review Scorecard.

Performance against customer satisfaction surveys during the relevant Contract Year or other applicable period.

PS5.4 Correspondence is acknowledged by card, letter or email (as appropriate) sent within 5 Business Days of receipt by the Shire (or, if the Shire delays more than 1 Business Day before passing it to the Contractor, within 5 Business Days of receipt by the Contractor).

Process/evidence: Review mail register (or other relevant record) to determine dates of correspondence in and dates out. Review audits and non-conformance reports, as applicable.

Relevant factors²: Performance against Item 4.2 (Timely service) of the most recent Annual Review Scorecard.

Performance against Item 4.5 (Complaints about service) of the most recent Annual Review Scorecard.

Performance against customer satisfaction surveys during the relevant Contract Year or other applicable period.

PS5.5 Advice of action is provided to customer within 10 further Business Days (by letter or phone). Notes of action/advice to be recorded on service request within 2 Business Days

Process/evidence: Review mail register (or other relevant record) to determine dates of correspondence in and dates out.

Review audits and non-conformance reports, as applicable.

Relevant factors²: Performance against Item 4.2 (Timely service) of the most recent Annual Review Scorecard.

Performance against Item 4.5 (Complaints about service) of the most recent Annual Review Scorecard.

Performance against customer satisfaction surveys during the relevant Contract Year or other applicable period.

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PS5.6 If the case is to take more than 10 Business Days to close the customer is advised of likely timeframe for a response.

Process/evidence: Review Contractor's template correspondence and randomly sample compliance.

Relevant factors²: Performance against Item 4.2 (Timely service) of the most recent Annual Review Scorecard.
Performance against Item 4.5 (Complaints about service) of the most recent Annual Review Scorecard.
Performance against customer satisfaction surveys during the relevant Contract Year or other applicable period.

PS5.7 Walk-ins are treated promptly and efficiently at the Contractor's depot and follow up action occurs using the same procedures and timelines as for correspondence set out above. All contacts are entered into the Merit System.

Process/evidence: Review Merit System records.
Review contractor record of walk-ins.
Review mail register (or other relevant record) to determine dates of correspondence out.
Review AMIS records to determine date of action.
Review audits and non-conformance reports, as applicable.

Relevant factors²: Performance against Item 4.2 (Timely service) of the most recent Annual Review Scorecard.
Performance against Item 4.5 (Complaints about service) of the most recent Annual Review Scorecard.
Performance against customer satisfaction surveys during the relevant Contract Year or other applicable period.

PS5.8 Where necessary or upon specific request from a customer, the Contractor takes reasonable steps to meet with the customer on-site within five (5) Business Days of lodgement of a complaint or request with the Shire (or, if the Shire delays more than 1 Business Day before passing it to the Contractor, within 5 Business Days of receipt by the Contractor)..

Process/evidence: Review contractor record of walk-ins and mail register (or other relevant record) to determine dates of request by customer.
Review AMIS records to determine date of action.
Review audits and non-conformance reports, as applicable.

Relevant factors²: Performance against Item 4.2 (Timely service) of the most recent Annual Review Scorecard.
Performance against Item 4.5 (Complaints about service) of the most recent Annual Review Scorecard.
Performance against customer satisfaction surveys during the relevant Contract Year or other applicable period.

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PS5.9 Compliance with clause A3-18 (Customer service and community liaison)

- Process/evidence:** Confirm Contractor has a system of consultation with stakeholders in place.
- Confirm customer satisfaction survey is being done at least every 6 months.
- Relevant factors²:** Performance against Item 4.2 (Timely service) of the most recent Annual Review Scorecard.
- Performance against Item 4.5 (Complaints about service) of the most recent Annual Review Scorecard.

PS6 Performance Standard 6 (Inspections)

PS6.1 Compliance with the inspection frequencies required under the Road Management Plan.

- Process/evidence:** Review audit and conformance records. Review AMIS records for inspection reports. Determine frequency.
- Relevant factors²:** Performance against Item 1.6 (Inspection, recording and reporting on Asset condition/safety) of the most recent Annual Review Scorecard.

PS6.2 Compliance with clause A3-13 (Inspections)

- Process/evidence:** Confirm Contractor has a compliant program of inspections in place.
- Confirm Contractor has adjusted its program to suit conditions applicable at various times.
- Confirm training of inspection personnel.
- Review audit and non-conformance records.
- Relevant factors²:** Performance against Item 1.6 (Inspection, recording and reporting on Asset condition/safety) of the most recent Annual Review Scorecard.

PS6.3 Compliance with clause A3-14 (Initiation of work)

- Process/evidence:** Review of AMIS records.
- Review of audit and non-conformance reports.
- Relevant factors²:** Performance against Item 1.9 (Timely delivery of Services outside the MSC, including reports) of the most recent Annual Review Scorecard.
- Performance against Item 1.10 (Development, implementation and operation of programs) of the most recent Annual Review Scorecard.

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- PS6.4 Compliance with clause A3-15 (Records of action taken)**
- Process/evidence: Compare inspection program against timing of entries in AMIS.
- Relevant factors²: Performance against Item 1.7 (Maintaining of Asset Inventory) of the most recent Annual Review Scorecard.
- PS6.5 Compliance with clause A3-16 (Provision of AMIS and other data)**
- Process/evidence: Confirm AMIS accessible.
Confirm PCI condition data available.
Confirm electronic access to outputs and other system constraint data from dTims, AMIS and other associated database programs relating to reseal and rehabilitation programs and PCI calculations
- Relevant factors²: N/A
- PS6.6 Compliance with clause A3-17 (Asset Inventory)**
- Process/evidence: Review notifications of New Assets provided by the Shire and confirm these have been included in Asset Inventory.
Audit of AMIS records (if appropriate).
- Relevant factors²: Performance against Item 1.6 (Inspection, recording and reporting on Asset condition/safety) of the most recent Annual Review Scorecard.
Performance against Item 1.7 (Maintaining of Asset Inventory) of the most recent Annual Review Scorecard.
- PS6.7 Compliance with clause A3-38 (Asset and data management requirements)**
- Process/evidence: User survey to verify availability of access to AMIS
Audit of AMIS records (if appropriate) to ensure entry of data within required time frames and appropriate data fields.
Confirm training provided as required.
- Relevant factors²: If system not available at any time, reasons for this and in particular whether it was due to some default on the Contractor's part.
Performance against Item 1.6 (Inspection, recording and reporting on Asset condition/safety) of the most recent Annual Review Scorecard.
Performance against Item 1.7 (Maintaining of Asset Inventory) of the most recent Annual Review Scorecard.
- PS6.8 Compliance with the program development obligations set out in Annexure 4 (Activity Specifications)**
- Process/evidence: Confirm annual programs prepared as required.

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Relevant factors²: Performance against Item 1.9 (Timely delivery of Services outside the MSC, including reports) of the most recent Annual Review Scorecard.

Performance against Item 1.10 (Development, implementation and operation of programs) of the most recent Annual Review Scorecard.

PS6.9 Identification of Defects in an effective and timely manner consistent with the Contract and programming and implementation of required Rectification so as to ensure compliance with Response Times.

Process/evidence: Confirm compliance with inspection program.

Confirm attendance as required on notification of Defects (ad hoc or triggered inspections).

Review AMIS records to determine Defects identified and actions taken in required timeframe.

Review non-conformance records and reports. Assess compliance with Response Times and appropriateness of Rectification.

Review relevant customer complaints (eg delay in responding to a call).

Relevant factors²: Level of non-compliance, if any, having regard to volume of Defects and call-outs

Performance against Item 1.5 (Meeting of agreed actions within timeframes) of the most recent Annual Review Scorecard.

Performance against Item 1.6 (Inspection, recording and reporting on Asset condition/safety) of the most recent Annual Review Scorecard.

Performance against Item 1.10 (Development, implementation and operation of programs) of the most recent Annual Review Scorecard.

PS7 Performance Standard 7 (Sustainability)

PS7.1 Greater than 80% of all pavement materials removed during the Annual Reseal Program are recycled or re-used within the Network provided that this is consistent with achieving the Required PCI, having regard to the technology and methods reasonably available at that time³

Process/evidence: Review records of materials used in Annual Reseal Program (or recycled for other uses within the Network).

Relevant factors²: Technology and materials available.

Shire approval of other materials.

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PS7.2 Reduction of greenhouse gases generated in the performance of the Services by 10% per annum due to work method chosen⁴

- Process/evidence:** Identify sources of greenhouse gases and alternative work methods. Confirm Contractor has adopted alternative work methods wherever feasible.
- Identify quantity of greenhouse gases generated in the performance of equivalent services at the Commencement Date and measure reduction from that benchmark.
- Relevant factors²:** Performance against Item 5.2 (Sustainable service enhancements provided) of the most recent Annual Review Scorecard.
- Performance against Item 5.4 (Evidence of continuous improvement, doing things smarter) of the most recent Annual Review Scorecard.

PS7.3 Recorded Environmental incidents caused by the Contractor in the performance of the Services or as a consequence of its failure to perform the Services as and when required are less than two (2) per annum⁶

- Process/evidence:** Measure recorded Environmental incidents caused by the Contractor.
- Relevant factors²:** Performance against Item 3.5 (Operation of environmental management system) of the most recent Annual Review Scorecard.

PS7.4 The Contractor's Agents include local residents and businesses.

- Process/evidence:** Identify local residents and businesses among the Contractor's Agents (subject to protection of privacy where individuals are concerned)
- Relevant factors²:** Performance against Item 4.6 (Traineeship/work experience opportunities) of the most recent Annual Review Scorecard.
- Performance against Item 4.7 (Commitment to employment of local contractors) of the most recent Annual Review Scorecard.

PS7.5 An approved program for a trainee to be employed by the Contractor in any one or more disciplines associated with this Contract has been implemented and is continuing.

- Process/evidence:** Confirm the program is in place and ongoing
- Relevant factors²:** N/A

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PS7.6 Compliance with clause A3-29 (Protection of Environment and Heritage).

- Process/evidence:** Identify any notices from EPA or other Authorities or any breaches of the contract provisions. Review action taken in response and in particular whether system and other improvements have been put in place to prevent any further occurrence.
- Identify examples of relevant behaviours to be rewarded and encouraged.
- Relevant factors²:** Proportionality of any failure having regard to volume of work done over the relevant period.
- Performance against Item 3.5 (Operation of Environmental Management System) of the most recent Annual Review Scorecard.

PS7.7 Compliance with clause A3-30 (Sustainability)

- Process/evidence:** Identify examples of behaviours that indicate that the Contractor is operating in accordance with the relevant principles or vice versa.
- Relevant factors²:** Shire leadership or otherwise on sustainability principles.
- Performance against Item 3.5 (Operation of Environmental Management System) of the most recent Annual Review Scorecard.
- Performance against item 4.0 (Community care) of the most recent Annual Review Scorecard.
- Performance against Item 5.2 (Sustainable service enhancements) of the most recent Annual Review Scorecard.
- Performance against Item 6.2 (Level of resource sharing) of the most recent Annual Review Scorecard.

PS8 Performance Standard 8 (Emergency Management)

PS8.1 Compliance with clause A3-20 (Emergency Management)

- Process/evidence:** Confirm the Contractor is maintaining the required level of Emergency resources (Shire personnel to inspect as required).
- Confirm training of relevant personnel.
- Contractor to provide evidence of relationships established with Victoria Police and Emergency services authorities.
- Review relevant correspondence from MERO, MERC, Police and Emergency Authorities and/or other available records to confirm resources were made available as required.
- Relevant factors²:** Performance against Item 2.13 (Operation of Emergency Management/call out services) of the most recent Annual Review Scorecard.

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Schedule 3 Performance Standards Review

PS8.2 Compliance with clause A3-21 (MERO Services)

Process/evidence: Confirm performance of relevant tasks.

Relevant factors²: Performance against Item 2.13 (Operation of emergency management/call out services) of the most recent Annual Review Scorecard.

PS9 Performance Standard 9 – Pavement Condition⁶

PS9.1 Pavement Performance Review Report submitted on time

Process/evidence: Report submitted by 31 May.

Relevant factors²: N/A

PS9.2 Required PCI for each PCI Road Category is achieved

Process/evidence: Measurement in accordance with Annexure 6 (Condition Monitoring).

Relevant factors²: N/A

PS10 Performance Standard 10 (Ordered Work)

PS10.1 Satisfactory Completion of each Ordered Work in accordance with the requirements of the Work Order Documents

Process/evidence: Identify number of Work Orders issued during the year or other applicable period.
Identify Completed Ordered Work.
Identify whether satisfactory Completion.

Relevant factors²: No of Ordered Works Projects undertaken and extent and nature of any unsatisfactory performance.
Shire approval to any departure from the Work Order Documents.
Performance against Item 2.3 (Accelerated Works Projects and Ordered Work) of the most recent Annual Review Scorecard

Notes on Performance Standards Review:

1. Performance Standard 1 is only assessable during the Accelerated Works Period and until all Defects Liability Periods associated with Accelerated Works Projects have expired.
2. Relevant factors are not conclusive, but are indicative of the sort of factors the SMT should take account of when making its assessment. They are particularly relevant to the determination of what quantity of Service Points should be applied in the event that there is non-conformance. Although not listed, Excusing Events are always relevant factors.

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Schedule 3

Performance Standards Review

The results of the most recent stakeholder review conducted under clause 36.5 (Stakeholder review) may also be relevant.

3. PS7-1 is not assessable until Contract Year 4.
4. PS7-2 is not assessable until Contract Year 4.
5. PS7-3 is not assessable until Contract Year 4.
6. Performance Standard 9 is only assessable in Pavement Performance Review Years.

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Schedule 4
Service Points

Schedule 4 –Service Points

Performance Standard	Maximum Points per occasion
Failure to achieve Performance Standard 1 (Accelerated Works Program) with respect to any Accelerated Works Project or the Accelerated Works Project as a whole	10
Failure to achieve Performance Standard 2 (Routine Maintenance Services) in any respect	20
Failure to achieve Performance Standard 3 (Safety) in any respect	5
Failure to achieve Performance Standard 4 (Contract Management) in any respect	5
Failure to achieve Performance Standard 5 (Interface with Shire and Customers) in any respect	5
Failure to achieve Performance Standard 6 (Inspections) in any respect	10
Failure to achieve Performance Standard 7 (Sustainability) in any respect	2
Failure to achieve Performance Standard 8 (Emergency Management) in any respect	20
Failure to achieve Performance Standard 9 (Pavement Condition) in the following respects:	
• Failure to achieve Required PCI for any PCI Road Category	30
• Failure to undertake surveys and data reporting by the dates specified in the Contract.	10
Failure to achieve Performance Standard 10 (Ordered Work) with respect to any Ordered Work	10

Schedule 5
Reference Documents

Schedule 5 – Reference Documents

This schedule incorporates a CD-ROM prepared by the Shire and initialled by the parties for identification. The versions of each Reference Document set out in the CD-ROM are the correct versions that form part of the Contract.

All Australian Standards referred to in the Contract (either directly or indirectly) are the versions current as at 1 April 2005, unless the Contract expressly states otherwise.

Contractual description	Full title/description	Version
1. Mornington Peninsula - Westernport Roadsides Management Plan	Mornington Peninsula Western Port Roadsides Management Plan; Report to the Mornington Peninsula Western Port Roadside Management Plan Steering Committee	1996
2. Municipal Emergency Management Plan	The plan prepared by the Shire for the purposes of section 20 of the Emergency Management Act 1986 (Vic)	1 April 2005
3. Road Management Plan	Mornington Peninsula Shire Road Management Plan	Version 1, 06/12/2004
4. Worksite Safety Traffic Management Code of Practice	Worksite Safety – Traffic Management Code of Practice	Victorian Government Gazette No S 276, 22 Dec 2004
5. Register of Public Roads	MPS Register of Public Roads (Provisional)	As at 1 April 2005
6. Specification for Road and Drainage Works	Mornington Peninsula Shire Specification for Road and Drainage Works	As per CD-Rom forming part of this schedule and titled "Safer Local Roads -Contract No 1218 - Schedule 5- Reference Documents-Item 6 Specification for Roads and Drainage Works"
7. Standard Drawings Mornington Peninsula Shire Standard MP227	[this description covers all of the standard drawings referred to in the Schedule of Rates]	As per CD-Rom forming part of this schedule and titled "Safer Local Roads -Contract No 1218 - Schedule 5- Reference Documents-Item 7 Standard Drawings".
8. Managing Utility and Road Infrastructure in Road Reserves	Code of Practice – Management of Utility and Road Infrastructure in Road Reserves	Victorian Government Gazette No S 268, 17 Dec 2004
9. SAA HB81: "Field guide for traffic control at works on roads"	Field Guide for Traffic Control at Works on Roads Part 1: Short-term urban works, daytime only.	Australian Standards HB 81.1 – 2003 Second Edition

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Schedule 5
Reference Documents

Contractual description	Full title/description	Version
10. Mornington Peninsula Shire Planning Scheme	Mornington Peninsula Planning Scheme	As at 1 April 2005
11. "Guidelines for Municipal Emergency Management Planning" published by the Department of Justice 2001	Guidelines for Municipal Emergency Management Planning, Part 6: Emergency Management Manual Victoria	Department of Justice (Vic), 2001
12. MPSC Design Quality System	Mornington Peninsula Shire Quality Assurance Plan for Design	As at 1 April 2005
13. Austroads Guide to the Visual Assessment of Pavement Condition 1987		As at 1 April 2005

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signatures

THE COMMON SEAL of the
MORNINGTON PENINSULA SHIRE
COUNCIL was hereunto affixed in the
presence of:

Personal Information

Councillor

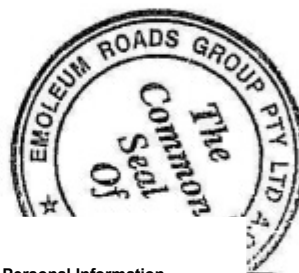
Personal Information

Manager Governance & Corporate Support



Signed

by Emoleum Roads Group Pty Limited
by its duly authorised signatory
in the presence of,



Personal Information

Witness

Signatory

Christopher Robert Murphy

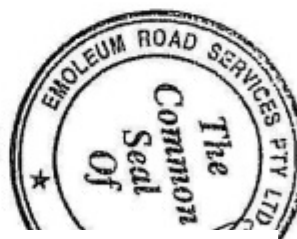
David Andrew Cattell

Name (printed)

Name (printed)

Signed

by Emoleum Road Services Pty Limited
by its duly authorised signatory
in the presence of:



Personal Information

Witness

Signatory

Christopher Robert Murphy

David Andrew Cattell

Name (printed)

Name (printed)

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Personal Information

Annexure 1

Definitions

Safer Local Roads
Contract No.1218



**MORNINGTON
PENINSULA**

Shire

**COMMITTED TO A
SUSTAINABLE
PENINSULA**



Annexure 1 Definitions

Annexure 1 - Definitions

In the Contract, the following terms have the meanings indicated, unless inconsistent with the context:

Accelerated Works Period means the period of 4 years commencing on the Commencement Date.

Accelerated Works Project means each of the works identified in Annexure 7 (Accelerated Works Program), which are to be designed (to the extent required by the Contract) and constructed by the Contractor and subsequently maintained by it as part of the Services.

Accelerated Works Program means, at the Commencement Date, the program set out in Annexure 7 (Accelerated Works Program) and at any later time, the Accelerated Works Program as amended with the approval by the Service Management Team.

Acceptable Standard means, in relation to a New Asset:

- (a) with a certified design life of not less than 20 years in the case of a road pavement and not less than 100 years in the case of a bridge or major culvert and constructed in accordance with standards and specifications approved by the Service Management Team; and
- (b) where the New Asset includes a PCI Assessable Pavement, the PCI Assessable Pavement is at a standard no less than the Required PCI for its PCI Road Category.

Activity means an activity defined by an Activity Specification.

Activity Standard means, with respect to each Activity, the requirements listed under the heading "Activity Standards" of the Activity Specification for that Activity.

Activity Specification means an activity specification included in Annexure 4 (Activity Specifications). Each Activity Specification is identified by the heading "Activity Specification".

Adjusted Component Price means a Component Price adjusted to take account of Continuing Variations and Indexation in accordance with clause A2-3 (Annual determination of the MSC).

Adjusted MSC Calculation Schedule means, at any time, the MSC Calculation Schedule at that time after all of the calculations and adjustments required by clause A2-3 (Annual determination of the MSC) have been undertaken.

Adjustment means an adjustment of the MSC, the Component Prices or any other rate, undertaken in accordance with Annexure 2 (Price).

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Annexure 1 Definitions

Adjustment Date means 1 July in each Contract Year.

Agent means, in respect of a party, an officer, employee, contractor, consultant, invitee or agent of that party (but never includes the other party). In the case of the Shire, Agent includes a Councillor.

AMIS is the Contractor's road asset management system excluding any pavement modelling component.

Annual Reseal Program means, in any Contract Year, the annual program for resealing and rehabilitation works to be undertaken on the Assets in that Contract Year, as developed in accordance with clause A3-4 (Annual Reseal Program).

Annual Reseal Services means, in each Contract Year, the Services required to carry out and complete the Annual Reseal Program for that Contract Year.

Annual Review means the annual review to be undertaken in accordance with clause 36 (Annual Review).

Annual Review Scorecard means the scorecard in schedule 2 (Annual Review Scorecard) or any replacement methodology determined by the Service Management Team for the purpose of annually measuring the Contractor's performance.

Annual Value means, with respect to a Variation at the time of its issue, the amount to be paid in each Remaining Year for that Variation as then determined and excluding the effects of future Indexation and further Variations. (The Annual Value must be derived from the valuation of the Variation as determined under clause 39 (Valuation and timing of Variations) or otherwise in accordance with the Contract).

Applicable Index means, with respect to a rate or price in the Contract, the index applicable to that rate or price, as set out in schedule A2-6 (Applicable Indices).

Approved AW Design means, with respect to each Accelerated Works Project, the design and any associated specifications and drawings approved by the SMT for that Accelerated Works Project.

Asset Handover means the handover of responsibility for provision of the Services with respect to the New Assets, as set out in clause 38.4 (Asset Handover).

Asset Handover Notice means a notice issued in accordance with clause 38.3 (Asset Handover Notification).

Asset Inspection means a routine inspection of the Assets primarily for the purpose of identifying Defects.

Asset Inventory means:

- (a) on the Commencement Date, Annexure 9 (Asset and Network description); and
- (b) at any other time, the inventory maintained by the Contractor in accordance with the Contract.

Asset Inventory Change means a change to the Asset Inventory made in accordance with clause 38 (Asset Inventory Changes).

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Annexure 1 Definitions

Asset Management Officer (Roads) means the person appointed by the Shire as the Asset Management Officer (Roads) (either generally or for the purposes of this Contract), as notified by the Superintendent. Changes in the identity of the Asset Management Officer (Roads) must be notified by the Superintendent.

Asset Management Services Refresh means a refreshment of the Services relating to the long term management of, and delivery of services for, the Assets and in particular the Annual Reseal Services, Condition Monitoring and the Required PCI.

Asset Management Specialist means:

- (a) in the case of the Contractor, the person from time to time appointed under clause 20.2 as its Asset Management Specialist; and
- (b) in the case of the Shire, the Asset Management Officer (Roads).

Assets means, at any time, the assets as defined in clause A3-2 at that time.

Authority means a person with Lawful authority, not including the Shire but including the MERO (while acting in that capacity).

AWP is an abbreviation of Accelerated Works Program.

AWP Job 14 means the Accelerated Works Project identified in Annexure 7 (Accelerated Works Program) as job number 14, Waterfall Gully Road, Rosebud (1100m from Goolgowie – top of hill).

Back Payment Amount means, at any time, the amount due to the Contractor on account of:

- (a) the Cumulative Cash Flow Differential (moneys owing to Contractor) at that time ; and
- (b) the Variation Value of Funded Variations.

Bank Bill Rate means, the average bid rate for bills having a tenor closest to the applicable Interest Period as displayed on the "BBSY" page of the Reuters Monitor System on the Rate Set Day..

However, if the average bid rate is not displayed by 11:00am on the Rate Set Day, or if it is displayed but there is an obvious error in that rate, Bank Bill Rate means:

- (a) in the case of a rate set under clause 41.3.3(c), a suitable rate per annum determined in accordance with clause 41.3.3 but discounted by 1% per annum; and
- (b) in the case of a rate set under clause 75.2.6, a suitable rate determined by the Superintendent in good faith, having regard, to the extent possible, to the rates otherwise bid for 90 day bank accepted bills at or around that time (including any displayed on the "BBSW" page of the Reuters Monitor System).

Best for Program means the optimal result for the safe and environmentally sustainable management of the Shire's local Roads within the Price, but without compromising the legitimate commercial interests of the Contractor.

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Annexure 1 Definitions

Business Day means a day that is not:

- (a) a Saturday or Sunday; or
- (b) a day that is wholly or partly observed as a public holiday throughout Victoria;

Call-Out Service means the service provided or to be provided by the Contractor under clause A4-27 (Call-Out Service) and includes Initial Response.

Cash Flow Differential means, for any Contract Year, the difference as calculated once annually with respect to the Adjustment Date for that Contract Year, between the Variable Base Annual Service Charge and the Flat Base Annual Service Charge.

Certificate of Contract Completion means the certificate issued by the Superintendent under clause 65 (Certification of Contract Completion).

Cleansing Contract means a contract awarded by the Shire for the performance of the activities listed in schedule A3-1 (Scope of Cleansing Contract).

Cleansing Contractor means, at any time, the contractor holding the Cleansing Contract at that time.

Commencement Date means 1 July 2006.

Completion means the stage in any Ordered Work, Accelerated Works Project, Shire Works or works involved in creating a New Asset when:

- (a) the work is complete;
- (b) all tests required with respect to the work prior to its handover to the Shire have been carried out and passed; and
- (c) all documents and other information which, in the opinion of the Service Management Team, are essential for the use, operation and maintenance of the works have been supplied to the Shire.

Component Price means a price listed in the MSC Calculation Schedule for any Service (not including any amount that is a total or other derivative of any other price) and, at any time after an Adjustment, means the then Adjusted Component Price.

Compulsory Intervention Level means, with respect to a Defect, that the Defect has reached a level where a 24 hour (or shorter) Response Time applies.

Condition means, in respect of an Asset, the physical and functional condition of that Asset.

Condition Data (Automated) means data relating to roughness, rutting and texture depth.

Condition Data (Visual) means data collected by visual field survey as identified in schedule A6-4 (Conditions to be assessed for PCI).

Condition Monitoring has the meaning given in clause A3-3 (Core Services).

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Annexure 1 Definitions

Confidential Information means all information and materials, in any form, not lawfully in the public domain, in the possession of or under the control of the Contractor or to which the Contractor gains access at any time including the period preceding the execution of this Contract:

- (a) concerning the Shire, its business, systems, customers, ratepayers, residents, properties, assets and affairs,
- (b) concerning the terms and subject matter of this Contract, or
- (c) which the Shire nominates in writing to be confidential.

Continuing Variation has the meaning given in clause 40.2 (Continuing Variations – definition).

Contract means:

- (a) at the Commencement Date, this document, its schedules and its annexures (including any CD-Rom incorporated by reference or signed for identification), and
- (b) at any subsequent time, this document, its schedules and its annexures as modified in accordance with its terms and evidenced by the Contract Document register maintained by the Superintendent in accordance with clause 84 (document change management).

Contract includes any Work Order issued in accordance with the Contract.

Contract Documents means, at any time, the documents comprising the Contract at that time including, without limitation, the Reference Documents and any Work Order Documents.

Contract Manager means a person appointed to the role of Contract Manager in accordance with clause 12 (Contract Manager).

Contract Material means all material in any form at all that is produced by or provided to the Contractor (including material provided by or to an Agent of the Contractor) as a requirement of the Contract.

Contract Term means the Initial Contract Term and any Extended Contract Term.

Contract Year means each period of 12 months of the Contract Term beginning on 1 July.

Contractor means the party identified as the Contractor in this document.

Contractor Operations Team means the persons from time to time responsible on behalf of the Contractor for the day to day management of operations under the Contract. The initial members of the Contractor Operations Team are identified in item 2 of schedule 1 (Contract Details).

Contractor's Plant means all or any of the vehicles, plant, implements, appliances and equipment used by the Contractor for carrying out its obligations under this Contract, whether or not owned by the Contractor.

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Annexure 1 Definitions

Contractual Time Requirement means a Response Time, a Date for Completion and any other time by which something is required to be done under the Contract, as extended in accordance with clause 42 (Impact on time) or in accordance with the conditions of any Work Order.

Core Members has the meaning given in clause 10.2.

Core Services means the services described in clause A3-3 (Core Services), any Continuing Variations and any Non-Continuing Variations which vary the Core Services..

Cumulative Cash Flow Differential means, at any Contract Year, the cumulative Cash Flow Differential calculated by aggregating the Cash Flow Differentials for each Contract Year up to and including the Contract Year.

Cure Plan means, with respect to any PCI Default Event, the Cure Plan for that PCI Default Event, as prepared and submitted in accordance with clause 69 (Cure of PCI Default Events).

Current at any time, means identified as Current at that time in the Contract Document register maintained in accordance with clause 84 (Document change management) and 87 (Reference Documents).

Date for Completion means, with respect to any Ordered Work, the Date for Completion identified in the Work Order Documents for the Ordered Work (as extended in accordance with clause A8-12 (Extensions of Time) of the Work Order Conditions.

Date of Completion means, with respect to any Ordered Work, the date on which the Ordered Work actually reaches Completion.

Daywork means work which is ordered by the Superintendent to be carried out as Daywork.

Daywork Rates means the rates set out in schedule A2-3 (Daywork Rates).

Default Rate means, at any time, a rate equivalent to the interest rate payable on judgments of the Supreme Court of Victoria at that time.

Defect means a defect, fault, error, omission or other Condition that has reached or given rise to an Intervention Level.

Defects Liability Period means, with respect to any Service, the defects liability period applicable to that Service as defined by clause 61.1.

Deighton Software means dTims software developed and licensed by Deighton Associates Limited of Canada.

Design & Investigation Fee Schedule means the schedules (incorporating a percentage fee and hourly rates) headed 'Design & Investigation Fee Schedule' in schedule A2-4 (Design & Investigation Fee Schedule).

Design & Investigation Fees means the fees set out in or calculated in accordance with the Design & Investigation Fee Schedule.

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Annexure 1 Definitions

Design & Investigation Services means, except as provided in clause A3-1.2.5, all design, design documentation, survey, geotechnical investigation and other services listed in the Design & Investigation Fee Schedule and reasonably required to carry out the Accelerated Works Program together with any services ancillary or incidental to those services.

Design & Investigation Subcontract means the subcontract between the Contractor and the Shire for the provision of design and associated services by the MPSC Design Team.

Determining Authority means the person or body with authority conferred by the Contract to make any determination or issue any direction.

Dispute Resolution Process means the process for resolution of disputes as set out in clause 66 (Disputes) (not including the statement of intention in clause 66.1).

EMA Emergency has the same meaning as "emergency" under the Emergency Management Act 1986 (Vic).

Emergency means an EMA Emergency or any unplanned occurrence on or affecting the Network or adjacent areas, which prejudices the safety of the public (including road users and those living adjacent to the Network) or which affects the structural integrity of an Asset or any structure above or below an Asset.

Emergency Management means the services the Contractor is required to provide with respect to EMA Emergencies.

Environment means the natural and man-made environment.

Establishment Fee means \$220,000.

Excepted Risk means any of the following:

- (a) a negligent act or omission of the Shire or any of its Agents,
- (b) a risk specifically excepted in the Contract,
- (c) war, invasion, act of foreign enemies, terrorist activities, hostilities, (whether war is declared or not), civil war, rebellion, revolution, insurrection or military or usurped power, martial law or confiscation by order of any Authority,
- (d) ionising radiations or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel not caused by the Contractor or the Contractor's Agents.

Excusing Event means a Force Majeure Event, an Excepted Risk, a breach of contract by the Shire or any other circumstance not within the Contractor's reasonable control to prevent.

Extended Contract Term means each period of time (commencing immediately after the end of the Initial Contract Term or the Extended Contract Term, as the case may be) by which the Contract is extended in accordance with clause 89 (Contract extensions).

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Annexure 1 Definitions

Final PPR Year means Contract Year 14 in the Initial Contract Term and the last PPR Year in an Extended Contract Term.

Flat Annual Service Charge means, in respect of any Contract Year, the amount determined in accordance with clause A2-3.2 (step 22) and, in respect of any Prior Year, the amount determined as the Flat Annual Service Charge for that Prior Year in the applicable Prior Year (including, in Contract Year 1, the Flat Annual Service Charge shown in the MSC Calculation Schedule).

Flat Base Annual Service Charge means, in respect of any Contract Year, the amount determined in accordance with clause A2-3.2 (step 9) and, in respect of any Prior Year, the amount determined as the Flat Base Annual Service Charge for that Prior Year in the applicable Prior Year (including, in Contract Year 1, the Flat Base Annual Service Charge shown in the MSC Calculation Schedule).

Force Majeure Event means an event or circumstance which:

- (a) occurs after the Commencement Date,
- (b) is beyond the control of the party affected by it ('Affected Party'),
- (c) could not reasonably have been avoided or overcome (at least as to its effect) by the Affected Party, and

is attributable to one or more of the following causes:

- (d) Emergency,
- (e) earthquake, bushfire, tidal wave, natural disaster,
- (f) excessive rainfall or inundation occurring as a result of a storm event,
- (g) hurricane, action of the elements, extreme weather (in the case of each of these, exceeding a 1:100 year magnitude),
- (h) war (declared or undeclared), invasion, terrorist activities, hostilities, riots, civil commotion, terrorism, sabotage other than by a party's agents, revolution, insurrection, military takeover or usurped power, martial law, military requisition or confiscation by order of any Authority,
- (i) fire, explosion, radioactive or chemical contamination which is not itself due to the act or omission of the Affected Party or its Agents,
- (j) ionising radiations or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel not caused by the Contractor or the Contractor's Agents.

Funded Variation has the meaning given in clause 41.1 (Funded Variations – Definition).

Furniture and Signs Contract means a contract awarded by the Shire for the performance of the activities listed in schedule A3-2 (Scope of Furniture and Signs).

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Annexure 1 Definitions

Furniture and Signs Contractor means, at any time, the contractor holding the Furniture and Signs Contract at that time.

Hold Point means, with respect to an activity, a point beyond which the Contractor is not permitted to go without approval.

Hold Point (SMT) means a Hold Point that can only be released with the approval of the Service Management Team.

Hold Point (Superintendent) means a Hold Point that can only be released with the approval of the Superintendent.

HP is an abbreviation of Hold Point.

IMP means Integrated Management Plan.

Indexed has the meaning given in clause 86 (Indexation of amounts).

Initial Contract Term means the initial term of the Contract as described in clause 2 (Contract Term) commencing on 1 July 2006 and ending on 30 June 2021.

Initial Response means the first on-site response to a call for assistance taken by the Call Out Service, limited to those activities necessary or required by the Contract to make the site safe including (as appropriate to the circumstances) clearing the site of debris or other obstructions (as necessary) and erecting appropriate warning and other signs.

Integrated Management Plan means the Integrated Management Plan developed by the Contractor in accordance with clause A3-11 (Integrated Management Plan).

Interest Period means:

- (a) in the case of a Funded Variation, the duration of the funding as determined in accordance with clause 41.3.2;
- (b) for the purposes of clause 75.2.6, 90 days.

Intervention Level means, with respect to an Asset, the condition specified as an Intervention Level in the Activity Specifications.

Issue means a question or other matter or issue for determination, a problem, a concern, a difference of opinion, a failure to agree or inability to reach consensus within the time required by the Contract or at all, a stalemate or any other matter or issue of any nature.

Job Size applies to Services provided at the rates set out in the Schedule of Rates and means:

- (a) the total value of all work under a specific Work Order;
- (b) where no Work Order has been issued, the total value of the discrete job undertaken by the Contractor; or

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Annexure 1 Definitions

- (c) where one Work Order has been issued for a program of work, the value of each discrete job undertaken under that Work Order.

Law means:

- (a) a statute, ordinance, code, rule, regulation, by-law, local law, official directive, order, instrument, undertaking, obligation or applicable judicial, administrative or regulatory decree, judgment or order including the terms and conditions of any licence, permit, consent, certificate, authority or approval issued under any of them,
- (b) obligations at common law and in equity, and
- (c) the requirements of competent Authorities.

Level 1 PCI Default Event means a PCI Default Event where the Measured PCI evidencing the PCI Default Event is not more than 5% below the Required PCI.

Level 2 PCI Default Event means a PCI Default Event where the Measured PCI evidencing the PCI Default Event is more than 5% below the Required PCI.

Mandatory Asset Handover Notice means a notice issued under clause 38.4.7.

Maximum Agreed Exposure is the maximum Cumulative Cash Flow Differential (moneys owing to the Contractor) that the Contractor has agreed to fund as part of the MSC and without the need for a Funded Variation, being: :

- (a) \$9,004,709.00 (as shown in the MSC Calculation Schedule) at the Commencement Date; and
- (b) at any later date, the maximum Cumulative Cash Flow Differential (moneys owing to Contractor) that occurs naturally as a consequence of Indexation of the Component Prices and the inclusion and subsequent Indexation of Continuing Variations. .

Measured PCI means, for any PCI Road Category, the PCI for that PCI Road Category as determined by measurement in any PPR Year in accordance with Annexure 6 (Condition Monitoring).

Merit System means the Shire's customer request management system.

MERC means, at any time, the member of the Victoria Police then appointed by the State Emergency Response Co-ordinator to act as Municipal Emergency Resource Co-ordinator for the Mornington Peninsula Shire.

MERO (Municipal Emergency Response Officer) means, at any time, the person appointed by the Shire under the Emergency Management Act 1986 (Vic) to act as the Shire's municipal emergency response officer at the relevant time.

MERO Services means the provision of a person to carry out the duties of the MERO and the performance of the professional services identified in clause A3-21 (MERO Services).

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Annexure 1 Definitions

Minor Works means minor works with a value not more than \$100,000 which the Shire requires to be carried out on the Network during the Contract Term.

Monthly Service Charge (MSC) means the total Monthly Service Charge for provision of the Core Services on and for the Assets as determined annually in accordance with clause A2-3.2 (Calculation of MSC).

Mornington Peninsula Shire Standard means a standard published by the Shire and the version identified in schedule 5 (Reference Documents).

MPSC Design Team means the Shire's in-house engineering design team led by the Shire's Manager – Infrastructure Project Management.

MSC is an abbreviation of Monthly Service Charge.

MSC Calculation Schedule means:

- (a) at the Commencement Date, schedule A2-1 (MSC Calculation Schedule); and
- (b) at any time after the first Adjustment, the Adjusted MSC Calculation Schedule current at that time; and
- (c) for the purposes of clause A2-3 (Annual determination of the MSC) at any Adjustment Date, the MSC Calculation Schedule as developed at the preceding Adjustment Date (and at the first Adjustment Date, schedule A2-1 (MSC Calculation Schedule)).

Municipal Emergency Management Plan means the plan so titled prepared by the Shire for the purposes of the Emergency Management Act 1986 (Vic).

NAASRA is an abbreviation of "National Association of Australia State Road Authorities", the predecessor body to Austroads.

NCV is an abbreviation of Non-Continuing Variation.

Network means the network of Roads listed in Annexure 9 (Asset and Network Description) (or, if not listed there, as listed in the Road Register as at the Commencement Date), as varied from time to time by Asset Inventory Changes.

Network Management has the meaning given in clause A3-3 (Core Services).

New Asset means, at any time, a Road or other asset of the same type as the Assets:

- (a) for which the Shire is or becomes responsible; and
- (b) which is not already part of the Assets at that time.

A New Asset may be:

- (c) an asset constructed as a result of Shire Works;
- (d) an asset constructed by others within the Shire's municipal boundaries (for example, as part of a new development or subdivision), responsibility for which devolves to the Shire on completion;

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- (e) an asset constructed by the Contractor as an Accelerated Works Project, Ordered Work or Non-Continuing Variation; and
- (f) an asset for which the Shire becomes responsible as a result of a change in Law or an agreement with VicRoads or a Utility.

Non-Conformance Report means a report of that name issued in accordance with the Integrated Management Plan.

Non-Continuing Variation has the meaning given in clause 40. 5 (Non-Continuing Variations – definition).

Non-MSC Service means a work or service that is specified in the Activity Specifications and is expressed to be payable on a schedule of rates or Dayworks basis or to require the issue of a Work Order (but does not include Minor Works). Resheet Services are an example of Non-MSC Services.

OH&S means occupational health and safety.

OP means an 'other payment', within the meaning of clause A2-1.1 (Monthly Payment).

Ordered Work means Services ordered by a Work Order in accordance with clause A3-7 (Initiation of Ordered Work) as varied by a variation under clause A8-9 (Variations).

Other Contract means a contract between the Shire and an Other Contractor.

Other Contractor means a SIMS Contractor or any other contractor engaged by the Shire (not including the Contractor).

Parks and Roadsides Contract means a contract awarded by the Shire for the performance of the activities listed in schedule A3-3 (Scope of Parks and Roadsides).

Parks and Roadsides Contractor means, at any time, the contractor holding the Parks and Roadsides Contract at that time.

Pavement Condition Index (PCI) means, for each PCI Road Category, the index for measurement of the Condition of the PCI Assessable Pavements in that PCI Road Category.

Pavement Performance Review means the review of the Contractor's performance against the Required PCI, as conducted each Pavement Performance Review Year in accordance with Annexure 6 (Condition Monitoring).

Pavement Performance Review Report means the report of the findings of a Pavement Performance Review prepared in accordance with clause A6-11 (Condition Assessment Reporting).

Pavement Performance Review Year:

- (a) during the Initial Contract Term, means each of Contract Year 3, Contract Year 6, Contract Year 9, Contract Year 12 and Contract Year 14; and
- (b) during any Extended Contract Term has the meaning given in clause 89.7.3.

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PCI is an abbreviation of Pavement Condition Index.

PCI Assessable Pavements means the pavements identified in a Road Schedule.

PCI Automated Data Collection and Reporting Specification means the specification developed by the Contractor under clause A6-5.3 (Specification for Automated Data Collection).

PCI Cure Fund means a fund provided for the purpose of curing a PCI Default Event in accordance with clause 69 (Cure of PCI Default Events) if the Contractor is unable to do so in accordance with a Cure Plan provided under that clause.

PCI Default Event means a failure to achieve the Required PCI for any PCI Road Category as demonstrated by the Measured PCI being less than the Required PCI at any Pavement Performance Review.

PCI Road Category has the meaning given in schedule A6-2 (PCI Road Categories).

PCI Visual Data Collection and Reporting Specification means the specification developed by the Contractor under clause A6-6.3 (Specification for Visual Data Collection).

Performance Security means a security in the form and amount required by clause 60 (Performance Security) and includes:

- (a) the initial Performance Security required under clause 60.3 and each replacement Performance Security required under clause 60.4; and
- (b) at any time, the Performance Security held by the Shire at that time.

Performance Standard means a performance standard set out in Annexure 5 (Performance Standards).

Personal Information means information or an opinion (including information or an opinion forming part of a database) whether true or not, and whether recorded in a material form or not, about a natural person whose identity is apparent, or can reasonably be ascertained, from the information or opinion.

PPR Year means a Pavement Performance Review Year.

Price means the Monthly Service Charge and any other amount payable to the Contractor under the Contract.

Prior Contract means the contract between the parties defined in Recital A.

Prior Year means, with respect to a Contract Year, all years occurring in the Initial Contract Term or the Extended Contract Term, as the case may be, prior to and not including that Contract Year.

Project Manager means a person whose appointment under the title of Project Manager is advised to the Contractor by the Shire.

Qualifying Change in Law means a change in Law or Standards (limited to Standards which have the force of Law) occurring after the date of the Contractor's tender other than:

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- (a) a change in income tax applying to the Contractor, or
- (b) a change that would have been anticipated by a reasonably competent contractor in the Contractor's position.

Rate Set Day means:

- (a) for the purposes of calculating the Working Capital Percentage to apply to any Funded Variation, the Business Day on which rate is ascertained for the purposes of providing a quote for the Funded Variation; and
- (b) for the purposes of calculating the discount rate under clause 75.2.6, the day on which the termination notice takes effect (for a termination notice issued under clause 75.1) or the next Business Day thereafter (for a termination notice issued under clause 76.1).

Rates for Asset Inventory Change means the rates so titled and included in schedule A2-5 (Rates for Asset Inventory Changes).

Rectify means fix, reinstate, attend or undertake other specified or appropriate activity having regard to the circumstances applying at the time, in order to respond to a Defect or other situation, as applicable, and includes, without limitation and as applicable, temporary repair, make safe, Initial Response (in the case of a Call Out Service) and compliance with Work Method Requirements (where the Defect is governed by an Activity Specification).

Reference Document means an Australian Standard referenced directly or indirectly in the Contract and any document listed in schedule 5 (Reference Documents) and included in the CD-Rom forming part of that schedule.

Remaining Year means, with respect to a Contract Year, all years remaining in the Initial Contract Term or the Extended Contract Term, as the case may be, after and not including that Contract Year.

Representative means a representative of a party appointed to the role of Representative in accordance with the Contract.

Required PCI means, for each PCI Road Category:

- (a) at the Commencement Date, the PCI specified in Performance Standard 9 (Pavement Condition) for that PCI Road Category; and
- (b) at any later date, the Required PCI determined in accordance with Annexure 6 (Condition Monitoring).

Resheet Services means any services required under clauses A4-8 (Resheeting Unsealed Roads) and A4-14 (Resheeting Unsealed Shoulders).

Response Time means, with respect to a Defect, the time within which the Defect must be Rectified to comply with the requirements of the Contract.

Road means a road of any classification.

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Road Asset means an Asset that is a Road or that forms part of a Road or a road support network.

Road Hierarchy means the road hierarchy as set out in the Road Management Plan and repeated in schedule A6-1 (Road Hierarchy).

Road Management Plan means the road management plan prepared by the Shire for the purposes of the Road Management Act 2004 (Vic).

Road Register means the statutory register listing all public roads in the Shire.

Road Reserve means the area of a Road from building line to building line and includes that area covered by the road pavement.

Road Schedule means a road schedule set out in schedule A6-20 (Road Schedule for PCI Categories A, B and C1) or in schedule A6-21 (Road Schedule for PCI Road Categories C2 and D), as the case may be.

Routine Maintenance Services has the meaning given in clause A3-3 (Core Services).

Safety Breach means non-compliance with the OH&S provisions of the Integrated Management Plan, any obligation of the Contract concerned with OH&S or any Law concerned with OH&S.

Safety Inspection means an inspection designed to identify all Defects likely to create danger or serious inconvenience to users of the Network or the wider community or which have a Response Time of 24 hours or less.

Schedule of Daywork Rates means the schedule of Daywork Rates in schedule A2-3 (Daywork Rates).

Schedule of Rates means the schedule of rates in schedule A2-2 (Schedule of Rates).

Senior Representative means in respect of a party, the person appointed in accordance with clause 8 (Senior Representatives) to represent that party.

Service Point Value means:

- For each Service Point applied as a result of a failure to achieve the Required PCI (PCI Default Event) – \$0.
- For each other Service Point – \$2,500 (Indexed).

Service Points means Service Points awarded or which may be awarded or redeemed in accordance with clause 68 (Application of Service Points).

Service Points Status means, at any time, the number of Service Points held by the Contractor at that time.

Service Management Team (SMT) means the team identified in clause 9 (Service Management Team)

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Services means the Core Services, any Ordered Work, any Variations not encompassed by the foregoing and any other work or services required by the Contract.

Shire Operations Team (SOT) means the persons responsible on behalf of the Shire for the day to day management of operations under the Contract. The initial members of the Shire Operations Team are set out in item 3 of schedule 1 (Contract Details).

Shire Works means works carried out on the Network by the Shire or its Other Contractors.

SIMS Contractor means a contractor (other than the Contractor) appointed under any one or more of the Cleansing Contract, the Furniture and Signs Contract and the Parks and Roadsides Contract.

SLR Objectives means the objectives set out in clause 4 (Objectives).

SMT is an abbreviation of Service Management Team.

Special Arrangements means the special arrangements provided for in clause 64.3 (Special Arrangements for Back Payment Amounts) and in clause 64.4 (Special Arrangements for Unused Line Fee).

Special Charge Scheme means a scheme pursuant to the Local Government Act 1989 (Vic) under which a special charge is levied for the carrying out of particular works.

Specification means all Contract Documents that specify the quality, method, timing or other requirements for performance of the Services, regardless of how those Contract Documents are described.

Stakeholder Specialist means a person appointed to represent each stakeholder identified below in relation to each of the functional or operational specialist areas (in the case of the specialist area of "asset management, information & pavement management", the Stakeholder Specialist for each party is the Asset Management Specialist):

<i>Specialist area</i>	<i>Stakeholder</i>
Contractor internal operations	Contractor
Asset management, information & pavement management	Contractor & Shire
Customer service (community relations)	Shire
Design	Shire
Road safety	Shire

Stakeholder Specialisation means each of the operational or functional specialist areas set out in the definition of Stakeholder Specialist.

Standards means Australian Standards or any other recognised industry standards.

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Standard Drawings means, at any time, the standard drawings published by the Shire and being the versions Current at that time.

Superintendent means the person appointed to the role of Superintendent in accordance with the Contract.

Tender means the Contractor's tender for the Contract as referred to in Recital B.

Termination Show Cause Notice means a notice under clause 71 (Termination show cause).

Third Party Funded Project means a project funded by Federal or State government funding or by a Special Charge Scheme or from any other source (not being a party to the Contract).

Total Variable Annual Service Charge means, for any Contract Year, the amount determined for that Contract Year in accordance with clause A2-3.2 (steps 18 and 19) and for any Prior Year, the amount determined as the Total Variable Annual Service Charge for that Prior Year in the applicable Prior Year (including, in Contract Year 1, the Total Variable Annual Service Charge shown in the MSC Calculation Schedule)..

Total Variable Annual Service Charge (Remaining Contract Term) means, for any Contract Year, the amount determined for that Contract Year in accordance with clauses A2-3.2 (step 21)

Total Variable Base Annual Service Charge (Remaining Contract Term) means, for any Contract Year, the amount determined for that Contract Year in accordance with clauses A2-3.2 (step 8).

Traffic Control Specification means the requirements of clause A3-28 (Traffic management).

Unused Line Fee means:

- (a) in the case of the MSC (except when Special Arrangements apply), the unused line fee determined in accordance with clause A2-3.2 (steps 14 and 15) and shown in the MSC Calculation Schedule;
- (b) in relation to a Funded Variation, the unused line fee determined in accordance with clause 41.3 (Terms applicable to Funded Variations); and
- (c) for the duration of any Special Arrangements, the unused line fee determined in accordance with clause 64.4 (Special Arrangements for Unused Line Fees).

Utilities means facilities owned or operated by Utility Authorities.

Utility Authority means a provider of infrastructure for services such as gas, electricity, sewage, water and telecommunications, who may be affected by the performance of the Services.

Variable Base Annual Service Charge means, for any Contract Year, the amount so called and determined in accordance with clause A2-3.2 (steps 5 and 6) for that Contract Year and, for any Prior Year, the amount determined as the Variable Base Annual Service Charge for that Prior Year in the applicable Prior Year (including, in

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Contract Year 1, the Variable Base Annual Service Charge shown in the MSC Calculation Schedule).

Variation means, for the Services (other than Ordered Work), a variation made in accordance with part 7 (Variations) and for Ordered Work, a variation ordered under clause A8-9 (Variations) of the Work Order Conditions.

Variation Value has the meaning given in clause 41.3 (Terms applicable to Funded Variations).

Witness Point means, with respect to an activity, a point beyond which the Contractor (or other party responsible for the activity) is not permitted to go without inspection, testing or other witnessing by the Superintendent.

WMS is an abbreviation of Work Method Statement.

Work Method Requirements means, in respect of any Activity, the work method requirements listed in Annexure 4 (Activity Specifications) for that Activity.

Work Order means, with respect to any Ordered Work, the Work Order issued for that Ordered Work in accordance with clause A3-7 (Initiation of Ordered Work).

Work Order Conditions means the conditions set out in Annexure 8 (Ordered Work Conditions), as incorporated into any Work Order.

Work Order Documents means, with respect to any Work Order, the documents comprising that Work Order including:

- (a) the specifications, drawings and other instructions for the Ordered Work,
- (b) the agreed pricing provisions applying to the Ordered Work, and
- (c) all terms of the Contract that apply to Ordered Work.

Works Manager means the person from time to time employed by the Contractor to carry out functions identified by the Contract as being functions of the Works Manager.

Working Capital Fee means, at the Commencement Date, the amount described as a Working Capital Fee in the MSC Calculation Schedule and, at any later date, an amount calculated as a Working Capital Fee in accordance with clause A2-3.2 (Calculation of MSC).

Working Capital Percentage means:

- (a) for any Cash Flow Differential (moneys owing to Contractor), 7.75% per annum; and
- (b) for the Variation Value of any Funded Variation, the rate per cent per annum which is the aggregate of the Bank Bill Rate and 1%.

Worksite means, at any time, the place where the Services are being performed at that time.

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Annexure 2

Price

Safer Local Roads
Contract No.1218



**MORNINGTON
PENINSULA**
Shire

**COMMITTED TO A
SUSTAINABLE
PENINSULA**



Annexure 2 - Price

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Annexure 2 – Price

A2-1 Payments due

A2-1.1 Monthly payment

The amount payable to the Contractor each month during a Contract Year is as follows:

Monthly payment = MSC + CV + NCV + DF + OP

Where:

MSC is the MSC for that Contract Year calculated in accordance with this Annexure (being the amount then payable for the Core Services).

CV is the amount then payable in accordance with clause 40.3 (Payment for Continuing Variations) for Continuing Variations not yet incorporated into the MSC

NCV is the amount then payable for Non Continuing Variations and Ordered Works.

DF is the amount then payable for Design & Investigation Services.

OP is any other amount then payable to the Contractor.

A2-1.2 No limitation of rights

Nothing in this clause limits any other right of a party to payment for Services provided under the Contract or any right of set-off, deduction or withholding conferred by the Contract.

A2-2 Monthly Service Charge (MSC)

A2-2.1 Initial MSC

The Monthly Service Charge (MSC) at the Commencement Date is \$648,771.

A2-2.2 Application

The MSC is for provision of the Services and performance of all other obligations of the Contractor under the Contract, except where otherwise expressly stated.

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A2-3 Annual determination of the MSC

A2-3.1 Timing of determination

The MSC for each Contract Year must be determined by the Superintendent by 30 September in that Contract Year (including the 1st year of the Contract) and applied retrospectively with effect from the Adjustment Date.

A2-3.2 Calculation of MSC

To determine the MSC for a Contract Year, the Superintendent must, using the MSC Calculation Schedule as a tool and a record:

- .1 Adjust each Component Price for the Contract Year to include the Annual Value of any Continuing Variation applicable to that Component Price and not then incorporated into the MSC. (This step is not required in the 1st Contract Year).
- .2 Adjust each Component Price for each Remaining Year to include the Annual Value of any Continuing Variation applicable to that Component Price and not then incorporated into the MSC. (This step is not required in the 1st Contract Year).
- .3 Adjust each Component Price (as adjusted under clause A2-3.2.1) for the Contract Year for rise and fall in accordance with clause A2-4 (Indexation adjustment).
- .4 Adjust each Component Price (as adjusted under clause A2-3.2.2) for each Remaining Year for rise and fall in accordance with clause A2-4 (Indexation adjustment).
- .5 Add together the Adjusted Component Prices for the Contract Year to determine the Variable Base Annual Service Charge for the Contract Year.
- .6 Add together the Adjusted Component Prices for each Remaining Year to determine the Variable Base Annual Service Charge for each Remaining Year.
- .7 Add together the Variable Base Annual Service Charge for the Contract Year (as determined under clause A2-3.2.5); the Variable Base Annual Service Charge for each Remaining Year (as determined under clause A2-3.2.6) and the total of the Variable Base Annual Service Charges that applied for all Prior Years.
- .8 Deduct from the total determined under clause A2-3.2.7 the total of Flat Base Annual Service Charges for all Prior Years to determine the Total Variable Base Annual Service Charge (Remaining Contract Term) for the Contract Year.

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- .9 Divide the Total Variable Base Annual Service Charge (Remaining Contract Term) for the Contract Year by the number of Contract Years remaining in the Contract Term (being the number of Remaining Years plus one) to determine the Flat Base Annual Service Charge for the Contract Year and each Remaining Year.
- .10 Deduct the Flat Base Annual Service Charge for the Contract Year from the Variable Base Annual Service Charge for the Contract Year to determine the Cash Flow Differential for the Contract Year.
- .11 Deduct the Flat Base Annual Service Charge for each Remaining Year from the Variable Base Annual Service Charge for that Remaining Year to determine the Cash Flow Differential for each Remaining Year.
- .12 Add the Cumulative Cash Flow Differential from the year preceding the Contract Year to the Cash Flow Differential for the Contract Year to determine the Cumulative Cash Flow Differential for the Contract Year. (This step is not applicable in the 1st Contract Year).
- .13 Using the amounts determined under clauses A2-3.2.11 and A2-3.2.12, calculate the Cumulative Cash Flow Differential for each Remaining Year.
- .14 If the Cumulative Cash Flow Differential in the Contract Year is less than the Maximum Agreed Exposure (and the Maximum Agreed Exposure has not been reached in any preceding Contract Year), deduct the Cumulative Cash Flow Differential for the Contract Year from the Maximum Agreed Exposure and multiply the resultant sum by 0.75% to determine the Unused Line Fee for that Contract Year.
- .15 If the Cumulative Cash Flow Differential in any Remaining Year is less than the Maximum Agreed Exposure (and the Maximum Agreed Exposure has not been reached in any preceding Contract Year), deduct the Cumulative Cash Flow Differential for the Remaining Year from the Maximum Agreed Exposure and multiply the resultant sum by 0.75% to determine the Unused Line Fee for that Remaining Year.
- .16 Multiply the Cumulative Cash Flow Differential for the Contract Year (if it represents moneys owing to the Contractor) by the Working Capital Percentage to determine the Working Capital Fee for the Contract Year.
- .17 Multiply the Cumulative Cash Flow Differential for each Remaining Year (limited to those years in which the Cumulative Cash Flow Differential represents moneys owing to the Contractor) by the Working Capital Percentage to determine the Working Capital Fee for the Remaining Years.

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- .18 Add together the Flat Base Annual Service Charge, the Working Capital Fee and the Unused Line Fee for the Contract Year to determine the Total Variable Annual Service Charge for the Contract Year. For the 1st Contract Year, the Establishment Fee must also be included in the Total Variable Annual Service Charge.
- .19 Add together the Flat Base Annual Service Charge, the Working Capital Fee and the Unused Line Fee for each Remaining Year to determine the Total Variable Annual Service Charge for each of the Remaining Years.
- .20 Add together the amounts determined under clauses A2-3.2.18 and A2-3.2.19 and the Total Variable Annual Service Charges for all Prior Years.
- .21 Deduct from the resultant sum the total of Flat Annual Service Charges for all Prior Years to determine the Total Variable Annual Service Charge (Remaining Contract Term) for the Contract Year
- .22 Divide the Total Variable Annual Service Charge (Remaining Contract Term) for the Contract Year by the number of Contract Years remaining in the Contract Term (being the number of Remaining Years plus one) to determine the Flat Annual Service Charge for the Contract Year.
- .23 Divide the Flat Annual Service Charge by 12.

A2-3.3 **Contract Year MSC**

The figure calculated under clause A2-3.2.21 is the Monthly Service Charge for the Contract Year.

A2-3.4 **Cumulative Cash Flow zero or in Contractor's favour**

If for any Contract Year the Cumulative Cash Flow Differential is zero or represents moneys owing from the Contractor to the Shire, the MSC for that Contract Year is the Flat Base Annual Service Charge, divided by 12. (This clause assumes that no Unused Line Fee will then be due because the Maximum Agreed Exposure will have been reached prior to this time. If this assumption is wrong, the Unused Line Fee must be added before determining the MSC.)

A2-3.5 **Worked example**

A worked example of the MSC calculation process is included at schedule A2-7 (Worked example).

A2-3.6 **Updating MSC Calculation Schedule**

Once the Adjustment and calculations required by clause A2-3.2 (Calculation of MSC) are complete, the Superintendent must issue a copy of the Adjusted MSC Calculation Schedule to both parties and register the Adjusted MSC Calculation in the Contract Document register kept under clause 84 (Document change

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management). In the event of any conflict between the MSC Calculation Schedule and the words in this clause, the words in this clause prevail and the Superintendent may, with the agreement of the Contractor, adjust the MSC Calculation Schedule to add new lines or remove superfluous lines accordingly.

A2-4 Indexation adjustment

A2-4.1 Annual indexation

Every Component Price, Daywork Rate, every rate or price in the Schedule of Rates and in the Design & Investigation Fee Schedule and every amount identified in the Contract as "Indexed" is adjusted for rise and fall once annually with effect from the Adjustment Date in accordance with the formula set out in clause A2-4.2 (Indexation formula).

A2-4.2 Indexation formula

Where an adjustment for rise and fall or Indexation is required under the Contract, the adjustment is to be made in accordance with the following formula:

$$S \text{ (Indexed)} = \frac{S \times AI_{n-1}}{AI_{n-2}}$$

Where:

S (Indexed) is the adjusted rate, price or other amount.

AI_{n-1} is the Applicable Index as at the June quarter of Contract Year $n-1$ where n is the Contract Year in which the Adjustment Date falls.

AI_{n-2} is the Applicable Index as at the June quarter of Contract Year $n-2$ where n is the Contract Year in which the Adjustment Date falls (except that, in Contract Year 1, AI_{n-2} is the Applicable Index for the quarter ended 30 June 2006).

A2-4.3 Applicable Indices

The Applicable Indices are set out in Schedule A2-6 (Applicable Indices).

A2-4.4 Replacement indices

All Applicable Indices are as published by the Australian Bureau of Statistics, except that, if the Australian Bureau of Statistics:

- .1 ceases to maintain any of the Applicable Indices; or
- .2 substantially alters the method of calculation of an Applicable Index,

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the Superintendent may nominate another index to be used instead for the purposes of adjustments under this clause. The replacement index must be selected in good faith as the index that provides as close an approximation as possible to the original index.

A2-5 Fixed prices

The parties acknowledge and agree that, except to the extent otherwise expressly provided, the Component Prices are fixed.

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Schedule A2-1 – MSC Calculation Schedule

Schedule A2-1 - MSC Calculation Schedule

Component Prices	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTALS
Network Management	869,158	776,777	776,777	776,777	776,777	776,777	776,777	776,777	776,777	776,777	776,777	776,777	776,777	776,777	776,777	11,744,041
Integrated Management Plan	10,348	5,194	5,194	5,194	5,194	5,194	5,194	5,194	5,194	5,194	5,194	5,194	5,194	5,194	5,194	83,104
Condition Monitoring	18,175	18,175	18,175	18,175	18,175	18,175	18,175	18,175	18,175	18,175	18,175	18,175	18,175	18,175	18,175	727,181
Station Maintenance Services	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	2,365,940	35,594,101
Annual Retail Services	2,292,709	8,058,667	5,235,678	5,011,195	5,001,142	3,313,630	3,317,509	3,313,630	3,317,509	3,249,925	3,357,136	3,282,899	3,219,753	3,268,585	3,283,886	55,515,978
Accelerated Works Projects	2,099,847	1,571,595	1,361,433	1,363,478												6,514,377
Variable Base Annual Service Charge	7,766,722	10,767,252	9,768,226	9,541,754	8,168,223	8,450,353	6,484,199	6,480,488	6,518,752	6,398,837	6,506,248	6,577,242	6,308,175	6,566,929	6,432,897	111,088,763
Total VBASC (Remaining Contract Term)	111,088,763	103,682,845	96,276,928	88,871,010	61,455,093	74,059,175	66,653,158	59,247,340	51,841,423	44,435,565	37,029,582	29,622,670	22,217,753	14,811,835	7,405,918	
Flat Base Annual Service Charge	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	7,405,918	111,088,763
Cum Flat Annual Service Charge	7,405,918	14,811,835	22,217,753	29,622,670	37,029,582	44,435,565	51,841,423	59,247,340	66,653,258	74,059,175	81,465,093	88,871,010	96,276,928	103,682,845	111,088,763	
Cash Flow Differential	(180,804)	(3,391,435)	(2,354,208)	(2,135,647)	(762,315)	(778,595)	(921,316)	(925,434)	(787,125)	(1,002,081)	(899,670)	(838,575)	(1,037,743)	(844,958)	(973,111)	
Cumulative Cash Flow Differential	(340,804)	(3,732,239)	(6,106,547)	(8,242,194)	(9,004,709)	(10,225,146)	(11,203,876)	(12,076,312)	(12,861,263)	(13,594,187)	(14,284,517)	(14,933,842)	(15,542,089)	(16,110,047)	(16,637,111)	
Establishment Fee	220,000															
Unused line fee	64,829	39,394	21,236	5,717	0											
Working Capital Fee	27,952	299,790	473,237	639,786	697,655	837,449	956,047	1,054,325	1,132,241	1,199,274	1,255,550	1,301,228	1,337,303	1,363,775	1,381,650	5,688,629
Total Variable Annual Service Charge	7,718,705	7,735,110	7,500,911	8,050,420	8,103,782	8,043,365	7,971,954	7,900,343	7,830,241	7,761,152	7,691,458	7,621,745	7,552,026	7,481,334	7,405,918	116,778,722
Total VBASC (Remaining Contract Term)	116,778,722	105,993,475	101,248,227	93,422,978	85,627,730	77,452,482	70,067,334	62,281,956	54,498,727	46,711,469	38,926,241	31,140,993	23,355,745	15,570,496	7,765,248	
Flat Annual Service Charge	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	7,765,248	116,778,722
Cum Flat Annual Service Charge	7,765,248	15,570,496	23,355,745	31,140,993	38,926,241	46,711,489	54,498,737	62,281,986	70,067,234	77,852,482	85,637,730	93,422,978	101,208,227	108,993,475	116,778,722	
Maximum Agreed Exposure	9,094,708	9,004,709	9,004,708	9,004,708	9,004,708	8,225,144	7,303,820	6,378,392	5,591,208	4,384,167	3,084,517	2,855,942	1,814,999	973,111	0	
Monthly Service Charge	648,771	648,771	648,771	648,771	648,771	648,771	648,771	648,771	648,771	648,771	648,771	648,771	648,771	648,771	648,771	

This MSC Calculation Schedule is included in the Contract to assist in calculating the MSC during the Contract Term and to specify the initial Component Prices for Adjustment in accordance with clause A2-3 (Annual determination of the MSC). With the exception of the Component Price for Accelerated Works Projects, the price breakdowns in this schedule are not suitable for any other purpose and do not necessarily bear any relation to the scope of work required to achieve the Performance Standards. The Component Price for the Accelerated Works Projects assists in defining the maximum scope of work required to be undertaken under the Accelerated Works Program in the absence of detailed design documentation.

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Contractor: Emoleum

Author: Contracts Australia

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Schedule A2-2 – Schedule of Rates

Schedule A2-2 - Schedule of Rates

Item	Description	unit	Rate excluding GST
1.	QUALITY SYSTEM		
	Plan, develop and maintain a documented quality system and environmental management plan specific to each Ordered Work and in accordance with Section A of the Specification for Road and Drainage Works	item	\$ 1,068.08
2	TRAFFIC CONTROL		
2.1	Erection and maintenance of warning signs, lights, barriers and traffic control devices (per site)	per week	\$ 106.81
2.2	VMS boards (2 No.)	per day	\$ 352.46
2.3	Portable traffic signals (2 No. signals)	per day	\$ 320.42
2.4	Supply of labour for stop/go battens and two-way radio link (2 persons)	per day	\$ 961.27
3.	SITE FACILITIES		
	Establishment of site facilities including accommodation and toilet	per week	\$ 267.02
4.	VEGETATION REMOVAL		
4.1	Trimming of branches		
	Works to include supply of tipper truck and chipper, minimum of two people in crew including a qualified arborist, and all plant, labour and material costs and liaison and communication activities.	per hour	\$ 160.21
4.2	Removal of trees		
	Supply all materials, plant and labour to fell, grub stump and remove from site individual tree.		
	Tree under 100mm trunk diameter	each	\$ 240.32
	Tree 100mm to 250mm trunk diameter	each	\$ 357.81
	Tree 250mm to 500mm diameter	each	\$ 614.14
	Tree 500mm to 1000mm diameter	each	\$ 1,420.54
	Tree 1000mm to 1500mm diameter	each	\$ 2,910.50
5.	DRAINAGE PIPES		
	Supply, excavate, bed, lay and backfill the following reinforced concrete drainage pipes.		
5.1	300 mm (Class 2) rubber ring jointed		

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Item	Description	unit	Rate excluding GST
	Up to 1.5 m depth	per metre	\$ 112.15
	1.5m to 2.5m depth	per metre	\$ 144.19
	Up to 1.5 m depth with FCR backfill	per metre	\$ 160.21
	1.5m to 2.5m depth with FCR backfill	per metre	\$ 240.32
5.2	375 mm (Class 2) rubber ring jointed		
	Up to 1.5 m depth	per metre	\$ 128.17
	1.5m to 2.5m depth	per metre	\$ 160.21
	Up to 1.5 m depth with FCR backfill	per metre	\$ 197.59
	1.5m to 2.5m depth with FCR backfill	per metre	\$ 256.34
5.3	450 mm (Class 2) rubber ring jointed		
	Up to 1.5 m depth	per metre	\$ 170.89
	1.5m to 2.5m depth	per metre	\$ 213.62
	Up to 1.5 m depth with FCR backfill	per metre	\$ 240.32
	1.5m to 2.5m depth with FCR backfill	per metre	\$ 309.74
5.4	525 mm (Class 2) rubber ring jointed		
	Up to 1.5 m depth	per metre	\$ 197.59
	1.5m to 2.5m depth	per metre	\$ 224.30
	Up to 1.5 m depth with FCR backfill	per metre	\$ 245.66
	1.5m to 2.5m depth with FCR backfill	per metre	\$ 331.10
5.5	600 mm (Class 2) rubber ring jointed		
	Up to 1.5 m depth	per metre	\$ 229.64
	1.5m to 2.5m depth	per metre	\$ 261.68
	Up to 1.5 m depth with FCR backfill	per metre	\$ 288.38
	1.5m to 2.5m depth with FCR backfill	per metre	\$ 373.83
5.6	Additional Cost for use of Class 3 in lieu of Class 2		
	300 mm rubber ring jointed Class 3 (surcharge over Class 2)	per metre	\$ 11.75
	375 mm rubber ring jointed Class 3 (surcharge over Class 2)	per metre	\$ 18.16
	450 mm rubber ring jointed Class 3 (surcharge over Class 2)	per metre	\$ 27.77
	525 mm rubber ring jointed Class 3 (surcharge over Class 2)	per metre	\$ 36.31
	600 mm rubber ring jointed Class 3 (surcharge over Class 2)	per metre	\$ 43.79

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Schedule A2-2 – Schedule of Rates

Item	Description	unit	Rate excluding GST
6.	SUBSOIL DRAINAGE		
6.1	Subsoil Drainage (Corrugated)		
	Supply, deliver, excavate, bed ,lay, joint and backfill with screenings 100mm corrugated P.V.C. AG pipe to Mornington Peninsula Shire Standard MP227	per metre	\$ 43.26
6.2	Subsoil Drainage in Pavement (Corrugated)		
	Supply, deliver, excavate, bed ,lay, joint and backfill with screenings 20mm corrugated P.V.C. AG pipe to Mornington Peninsula Shire Standard MP227	per metre	\$ 48.92
6.3	Subsoil Drainage (Slotted Pipe)		
	Supply, deliver, excavate, bed ,lay, joint and backfill with screenings 150mm P.V.C. AG/slotted pipe to Mornington Peninsula Shire Standard MP227	per metre	\$ 75.73
7.	DRAINAGE PITS		
	Construct Drainage Pits as shown on the Standard Drawings including excavation; forming, supply and placing of concrete, stripping of forms, backfilling, supply and placing of lids, grates and step irons where required.		
7.1	SIDE ENTRY PIT TYPE 1 or TYPE 2		
7.1a	Construct side entry pit 900mm x 600mm (I.D.) to Mornington Peninsula Shire Standards MP201 or MP203		
	Up to 1.5 m deep	each	\$ 1,441.90
	1.5 to 2.0 m deep	each	\$ 1,869.13
	2.0 to 2.5 m deep	each	\$ 2,269.66
7.1b	EXTENDED THROAT SIDE ENTRY PITS		
	Construct concrete Side Entry Pits 900mm x 600mm (I.D.) to Mornington Peninsula Shire Standard MP201 with extended throat.		
	Up to 1.5m deep.	each	\$ 1,548.71
	1.5 to 2.0m deep	each	\$ 1,975.94
	2.0 to 2.5m deep	each	\$ 2,376.47
7.1c	DOUBLE CHAMBER SIDE ENTRY PITS		
	Construct concrete Side Entry Pits 900mm x 600mm (I.D.) to Mornington Peninsula Shire Standard MP201 with double chamber.		

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Item	Description	unit	Rate excluding GST
	Up to 1.5m deep.	each	\$ 1,655.52
	1.5 to 2.0m deep	each	\$ 2,082.75
	2.0 to 2.5m deep	each	\$ 2,483.27
7.1d	DOUBLE WIDTH THROAT SIDE ENTRY PITS		
	Construct concrete Side Entry Pits 900mm x 600mm (I.D.) to Mornington Peninsula Shire Standard MP234 with double chamber and single throat (double width) with steel frame and lintel to MP233		
	Up to 1.5m deep.	each	\$ 1,655.52
	1.5 to 2.0m deep	each	\$ 2,082.75
	2.0 to 2.5m deep	each	\$ 2,483.27
7.2	GRATED PITS		
	Construct side entry pit 900mm x 600mm (I.D) to Mornington Peninsula Shire Standard MP216.		
	Up to 1.5 m deep	each	\$ 1,441.90
	1.5 to 2.0 m deep	each	\$ 1,869.13
	2.0 to 2.5 m deep	each	\$ 2,269.66
7.3	CATCH PITS		
	Construct side entry pit 900mm x 600mm (I.D) to Mornington Peninsula Shire Standard MP215.		
	Up to 1.5 m deep	each	\$ 1,441.90
	1.5 to 2.0 m deep	each	\$ 1,762.32
	2.0 to 2.5 m deep	each	\$ 2,109.45
7.4	JUNCTION PITS		
	Construct side entry pit 900mm x 600mm (I.D) to Mornington Peninsula Shire Standard MP211.		
	Up to 1.5 m deep	each	\$ 1,308.39
	1.5 to 2.0 m deep	each	\$ 1,655.52
	2.0 to 2.5 m deep	each	\$ 2,002.64
7.5	BREAK INTO EXISTING PIT		
	Break into existing pit and connect proposed pipe to design level.	each	\$ 534.04
7.6	BREAK OUT EXISTING PIT		

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Item	Description	unit	Rate excluding GST
	Break out existing drainage pit and remove from site.	each	\$ 694.25
7.7	PRECAST CONCRETE ENDWALLS		
	Supply, bed and place precast concrete endwall		
	300 mm Dia. pipe.	each	\$ 651.53
	375 mm Dia. Pipe	each	\$ 694.25
	450 mm Dia. Pipe	each	\$ 774.35
	Additional cost for Mornington Peninsula Shire Standard MP207 "Fluted entry" (over standard kerb and channel/tray cost)- for side entry pits (when placed in conjunction with kerb works at same location) (as per item 8.11 below)	per metre	\$ 16.02
8.0	CONCRETE KERB WORKS		
	Supply all materials, plant and labour to construct the following concrete works all to Mornington Peninsula Shire or VicRoads standard drawings and specifications, including bedding.		
8.1	Barrier Kerb and Channel MP104 or MP117	per metre	\$ 45.71
8.2	Barrier Kerb and Tray MP105, or MP118 or Barrier Kerb for one way cross fall MP106	per metre	\$ 45.71
8.3	Rollover Kerb and Channel MP101, or MP109	per metre	\$ 45.71
8.4	Rollover Kerb and Tray MP102, or MP110 or MP114	per metre	\$ 45.71
8.5	Concrete Edge Strip MP107 or MP111	per metre	\$ 37.81
8.6	Open Invert Channel MP103 or MP116	per metre	\$ 53.94
8.7	Semi-Mountable Kerb MP112 (or VicRoads SM1)	per metre	\$ 43.36
8.8	Fully Mountable Kerb Only (VicRoads standard drawing SD 2001 type M1)	per metre	\$ 45.50
8.9	Concrete Vehicle Crossing Layback MP108	per metre	\$ 59.49
8.10	Concrete Pram Crossing MP115 including tactile indicators.	each	\$ 891.84

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Item	Description	unit	Rate excluding GST
8.11	Additional cost for Mornington Peninsula Shire Standard MP207 "Fluted entry" (over standard kerb and channel/tray cost)- for side entry pits (when placed in conjunction with kerb works at same location)	per metre	\$ 16.02
9.0	ASPHALT KERBING		
9.1	ASPHALT KERBING (with asphalt wearing course)		
	Supply and lay asphalt kerbing as detailed in Standard Drawing MP701 as specified.	per metre	\$ 45.29
9.2	ASPHALT KERBING (with bituminous seal)		
	Supply and lay asphalt kerbing as detailed in Standard Drawing MP 702 as specified	per metre	\$ 45.29
10.0	CONCRETE PAVING		
	Supply all materials, plant and labour to construct the following concrete works all to Standard Drawings and the Shire's standard specifications, including bedding.		
10.1	CONCRETE FOOTPATH -75mm thick (MP901)		
	Construct plain concrete footpath 75mm thick over 50mm compacted depth of 20mm Class 3 F.C.R. bedding, in accordance with Standard Drawing MP901. Rate includes excavation to 125mm boxing depth and disposal of excess spoil and locating any underground services.	sq.m.	\$ 54.04
10.2	CONCRETE FOOTPATH - COLOURED 75mm thick (MP901)		
	Construct coloured concrete footpath 75mm thick over 50mm compacted depth of 20mm Class 3 F.C.R. bedding, in accordance with Standard Drawing MP901. Rate includes excavation to 125mm boxing depth and disposal of excess spoil and locating any underground services.	sq.m.	\$ 75.41
10.3	CONCRETE EXPOSED AGGREGATE FOOTPATH		
	- 75 mm thick (MP901/903)		

Schedule A2-2 – Schedule of Rates

Item	Description	unit	Rate excluding GST
	Construct exposed aggregate concrete footpath 75 mm thick over 50mm FCR bedding all as specified using Dromana Granite Aggregate (Brown, 10/7 graded mix) and concrete retarding agent to achieve uniform exposed aggregate finish. Saw cutting @ 1.4 metre intervals. Acid wash on finish. Rate includes excavation to 125mm boxing depth and disposal of excess spoil and locating any underground services.	sq.m.	\$ 69.96
10.4	CONCRETE PLAIN VEHICLE CROSSINGS (MP301, MP303)		
	Reinforced plain concrete vehicle crossings 150mm thick as detailed to Standard Drawings MP301 & MP303 including bedding. Rate includes excavation to 150mm boxing depth and disposal of excess spoil and locating any underground services.	sq.m.	\$ 75.09
10.5	CONCRETE COLOURED VEHICLE CROSSINGS (MP301, MP303)		
	Reinforced coloured concrete vehicle crossings 150mm thick as detailed to Standard Drawing MP301 & MP303 including bedding. Rate includes excavation to 150mm boxing depth and disposal of excess spoil and locating any underground services.	sq.m.	\$ 102.32
10.6	CONCRETE EXPOSED AGGREGATE VEHICLE CROSSINGS (MP301, MP303)		
	Reinforced exposed aggregate concrete vehicle crossings 150mm thick as detailed to Standard Drawing MP301 & MP303 including bedding. Saw cutting @ 1.4 metre intervals. Acid wash on finish. Rate includes excavation to 150mm boxing depth and disposal of excess spoil and locating any underground services.	sq.m.	\$ 102.32
10.7	TACTILE GROUND SURFACE INDICATORS		
	Supply all plant labour and material to lay type "B" and "C" tactile ground surface indicators, as per Standard Drawing MP115.	sq.m.	\$ 267.02
10.8	PATTEN CONCRETE INFILL TO ISLANDS		
	Concrete infill 200mm thick reinforced with F72 mesh coloured and finished with texture i.e. faux brick or other pattern surface.	sq.m.	\$ 107.34

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Schedule A2-2 – Schedule of Rates

Item	Description	unit	Rate excluding GST
11.0	FLEXIBLE PAVEMENTS – LESS THAN 4,000 SQ. M.		
	Supply all materials, plant and labour to construct the following pavement works all to Standard Drawings and to the Shire's standard specifications.		
11.1	EARTHWORKS		
	Earthworks including excavation, filling, forming, trimming, and compaction of subgrade, removal and disposal of excess spoil, grading and blending of naturestrips to match surroundings including stockpiling of topsoil. Cut per cubic metre (solid)	cu.m.	\$ 21.36
11.2	PROFILING EXISTING PAVEMENT		
	Profiling existing pavement 150mm in depth, spread, trim, shape and compact (minimum density of 95% modified) in readiness for placement of FCR overlay.	sq.m.	\$ 14.95
11.3	150mm IN-SITU LIME STABILISATION (3%)		
	In-situ stabilisation of existing subgrade/pavement to a depth of 150mm with lime added at an application rate of 3.0% by weight.	sq.m.	\$ 18.69
	Adjustment for each Additional 50mm depth	sq.m.	\$ 2.67
	Adjustment for each Additional 1% Lime	sq.m.	\$ 0.80
11.4	150mm IN-SITU CEMENT STABILISATION (3%)		
	In-situ stabilisation of existing pavement/subgrade to a depth of 150mm with cement added at an application rate of 3.0% by weight.	sq.m.	\$ 18.69
	Adjustment for each Additional 50mm depth	sq.m.	\$ 2.67
	Adjustment for each Additional 1% Cement	sq.m.	\$ 1.07
11.5	150mm IN-SITU LIME AND CEMENT STABILISATION (3% & 2%)		
	In-situ stabilisation of existing subgrade to a depth of 150mm with lime and cement added at an application rate of 3.0% and 2 % by weight respectively.	sq.m.	\$ 20.83
	Adjustment for each Additional 50mm depth	sq.m.	\$ 2.67
	Adjustment for each Additional 1% Cement	sq.m.	\$ 1.07
	Adjustment for each Additional 1% Lime	sq.m.	\$ 0.80

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Schedule A2-2 – Schedule of Rates

Item	Description	unit	Rate excluding GST
11.6	150mm IN-SITU FOAMED BITUMEN STABILISATION (3%)		
	In-situ stabilisation of existing pavement/subgrade to a depth of 150mm with foamed bitumen added at an application rate of 3.0% by weight.	sq.m.	\$ 25.10
	Adjustment for each Additional 50mm depth	sq.m.	\$ 3.74
	Adjustment for each Additional 1% Lime	sq.m.	\$ 0.80
11.7	SUB-BASE COURSE 100mm Size 40mm FCR Class 3 compacted to a minimum density of 95% Standard	sq.m.	\$ 10.95
11.8	SUB-BASE COURSE 150mm Size 40mm FCR Class 3 compacted to a minimum density of 95% Standard	sq.m.	\$ 14.15
11.9	SUB-BASE COURSE 200mm Size 40mm FCR Class 3 compacted to a minimum density of 95% Standard	sq.m.	\$ 17.62
11.10	BASE COURSE 100mm Size 20mm FCR Class 2 compacted to a minimum density of 98% [Modified]	sq.m.	\$ 12.82
11.11	BASE COURSE 150mm Size 20mm FCR Class 2 compacted to a minimum density of 98% [Modified]	sq.m.	\$ 16.02
11.12	ROAD SHOULDERS 150mm Size 15mm FCR Class 4 compacted to a minimum density of 95% Standard	sq.m.	\$ 17.09
11.13	Prime		
	Prime (SP30 or equivalent) using 5mm basaltic grit all as specified (Grit to be broomed and removed prior to application of first seal coat.)	sq.m.	\$ 5.29
11.14	Primer Seal		
	Primer seal (SP1000 or equivalent) using 7mm basaltic aggregate all as specified	sq.m.	\$ 7.69
11.15	Wearing Course		
	Asphalt wearing course. Supply all materials, plant and labour and lay 30mm compacted depth of 10mm basaltic/granitic asphalt Type L	sq.m.	\$ 14.58
11.16	Wearing Course		

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Item	Description	unit	Rate excluding GST
	Asphalt wearing course. Supply all materials, plant and labour and lay 30mm compacted depth of 10mm basaltic/granitic asphalt Type N	sq.m.	\$ 14.42
11.17	Bituminous Seal		
	Supply all materials, plant and labour to prepare and spray bitumen at the application rate as specified.		
	First seal using 14mm basaltic aggregate all as specified	sq.m.	\$ 11.59
	First seal using 14mm granitic aggregate all as specified	sq.m.	\$ 11.59
	Final seal using 7mm basaltic aggregate all as specified	sq.m.	\$ 10.84
	Final seal using 7mm granitic aggregate all as specified	sq.m.	\$ 10.84
11.18	GEOTEXTILE REINFORCED BITUMINOUS SEAL		
	Supply all materials plant and labour for the following sprayed bituminous seal, all as specified. To be applied approx. 6 months after application of primer seal. Tack Coat - Apply a Class 170 Bitumen Tack Coat at a rate of 0.6 litres/sq.m. or as directed. Geotextile - Lay a non-woven needle punched polyester geotextile fabric with a minimum mass of 140 gm/sq.m. on top of tack coat. Seal - Apply a 14mm basaltic aggregate, sprayed bituminous seal coat. Class 170 bitumen applied at a rate of 1.5 litres/sq.m. and aggregate spread at 90% of normally specified rate.	sq.m	
		sq.m	\$ 14.90
		sq.m	
11.19	ASPHALT REGULATION		
	Supply, place and compact asphalt regulation course up to 100mm thickness.	per tonne	\$ 203.36
12.0	FLEXIBLE PAVEMENTS – MORE THAN 4,000 SQ. M.		
	Supply all materials, plant and labour to construct the following pavement works all to Standard Drawings and to the Shire's standard specifications.		
12.1	EARTHWORKS		
	Earthworks including excavation, filling, forming, trimming, and compaction of subgrade, removal and disposal of excess spoil, grading and blending of naturestrips to match surroundings including stockpiling of topsoil. Cut per cubic metre (solid)	cu.m.	\$ 16.02
12.2	PROFILING EXISTING PAVEMENT		

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Item	Description	unit	Rate excluding GST
	Profiling existing pavement 150mm in depth, spread, trim, shape and compact (minimum density of 95% modified) in readiness for placement of FCR overlay.	sq.m.	\$ 12.82
12.3	150mm IN-SITU LIME STABILISATION (3%)		
	In-situ stabilisation of existing subgrade/pavement to a depth of 150mm with lime added at an application rate of 3.0% by weight.	sq.m.	\$ 11.75
	Adjustment for each Additional 50mm depth	sq.m.	\$ 1.60
	Adjustment for each Additional 1% Lime	sq.m.	\$ 0.80
12.4	150mm IN-SITU CEMENT STABILISATION (3%)		
	In-situ stabilisation of existing pavement/subgrade to a depth of 150mm with cement added at an application rate of 3.0% by weight.	sq.m.	\$ 12.02
	Adjustment for each Additional 50mm depth	sq.m.	\$ 1.87
	Adjustment for each Additional 1% Cement	sq.m.	\$ 1.07
12.5	150mm IN-SITU LIME AND CEMENT STABILISATION (3% & 2%)		
	In-situ stabilisation of existing subgrade to a depth of 150mm with lime and cement added at an application rate of 3.0% and 2.0 % by weight respectively.	sq.m.	\$ 13.62
	Adjustment for each Additional 50mm depth	sq.m.	\$ 2.40
	Adjustment for each Additional 1% Cement	sq.m.	\$ 1.07
	Adjustment for each Additional 1% Lime	sq.m.	\$ 0.80
12.6	150mm IN-SITU FOAMED BITUMEN STABILISATION (3%)		
	In-situ stabilisation of existing pavement/subgrade to a depth of 150mm with foamed bitumen added at an application rate of 3.0% by weight.	sq.m.	\$ 15.22
	Adjustment for each Additional 50mm depth	sq.m.	\$ 3.20
	Adjustment for each Additional 1% Lime	sq.m.	\$ 0.80
12.7	SUB-BASE COURSE 100mm Size 40mm FCR Class 3 compacted to a minimum density of 95% Standard	sq.m.	\$ 10.41
12.8	SUB-BASE COURSE 150mm Size 40mm FCR Class 3 compacted to a minimum density of 95% Standard	sq.m.	\$ 13.62

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Item	Description	unit	Rate excluding GST
12.9	SUB-BASE COURSE 200mm Size 40mm FCR Class 3 compacted to a minimum density of 95% Standard	sq.m.	\$ 17.09
12.10	BASE COURSE 100mm Size 20mm FCR Class 2 compacted to a minimum density of 98% [Modified]	sq.m.	\$ 12.82
12.11	BASE COURSE 150mm Size 20mm FCR Class 2 compacted to a minimum density of 98% [Modified]	sq.m.	\$ 16.82
12.12	ROAD SHOULDERS 150mm Size 15mm FCR Class 4 compacted to a minimum density of 95% Standard	sq.m.	\$ 17.09
12.13	Prime		
	Prime (SP30 or equivalent) using 5mm basaltic grit all as specified. (Grit to be broomed and removed prior to application of first seal coat.)	sq.m.	\$ 3.26
12.14	Primer Seal		
	Primer seal (SP1000 or equivalent) using 7mm basaltic aggregate all as specified	sq.m.	\$ 4.33
12.15	Wearing Course		
	Asphalt wearing course. Supply all materials, plant and labour and lay 30mm compacted depth of 10mm basaltic/granitic asphalt Type L	sq.m.	\$ 12.28
12.16	Wearing Course		
	Asphalt wearing course. Supply all materials, plant and labour and lay 30mm compacted depth of 10mm basaltic/granitic asphalt Type N	sq.m.	\$ 12.18
12.17	Bituminous Seal		
	Supply all materials, plant and labour to prepare and spray bitumen at the application rate as specified.		
	First seal using 14mm basaltic aggregate all as specified	sq.m.	\$ 6.30
	First seal using 14mm granitic aggregate all as specified	sq.m.	\$ 6.30
	Final seal using 7mm basaltic aggregate all as specified	sq.m.	\$ 5.61
	Final seal using 7mm granitic aggregate all as specified	sq.m.	\$ 5.61
12.18	GEOTEXTILE REINFORCED BITUMINOUS SEAL		

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Schedule A2-2 – Schedule of Rates

Item	Description	unit	Rate excluding GST
	Supply all materials plant and labour for the following sprayed bituminous seal, all as specified. To be applied approx. 6 months after application of primer seal.		
	Tack Coat - Apply a Class 170 Bitumen Tack Coat at a rate of 0.6 litres/sq.m. or as directed.	sq.m	
	Geotextile - Lay a non-woven needle punched Polyester Geotextile fabric with a minimum mass of 140 gm/sq.m. on top of tack coat.	sq.m	\$ 8.81
	Seal - Apply a 14mm basaltic aggregate, sprayed bituminous seal coat. Class 170 bitumen applied at a rate of 1.5 litres/sq.m. and aggregate spread at 90% of normally specified rate.	sq.m	total
12.19	ASPHALT REGULATION		
	Supply, place and compact asphalt regulation course up to 100mm thickness.	per tonne	\$ 168.22
13.0	PATHWAYS (NON CONCRETE)		
	- Width 1.2 to 2.5 metres		
13.1	ASPHALT SURFACED PATHWAY – 100mm FCR Base		
	Construct asphalt surfaced footpath including 30mm compacted depth of 7mm granitic asphalt surfacing over 100mm compacted depth of 20mm Class 3 F.C.R. Rate includes excavation to 130mm boxing depth and disposal of excess spoil and locating any underground services.	sq.m.	\$ 48.49
13.2	ASPHALT SURFACED PATHWAY – 150mm FCR Base		
	Construct asphalt surfaced footpath including 30mm compacted depth of 7mm granitic asphalt surfacing over 150mm compacted depth of 20mm Class 3 F.C.R. Rate includes excavation to 180mm boxing depth and disposal of excess spoil and locating of any underground services.	sq.m.	\$ 59.38
13.3	GRANITIC SAND PATHWAY – 100mm FCR Base		
	Construct granitic sand pathway (Hillview Quarries product or approved equivalent) including 100mm compacted depth of pavement. Rate includes excavation to 100mm boxing depth and disposal of excess spoil and locating of any underground services.	sq.m.	\$ 41.33

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Schedule A2-2 – Schedule of Rates

Item	Description	unit	Rate excluding GST
13.4	GRANITIC SAND PATHWAY – 150mm FCR Base		
	Construct granitic sand pathway (Hillview Quarries product or approved equivalent) including 150mm compacted depth of pavement. Rate includes excavation to 150mm boxing depth and disposal of excess spoil and locating of any underground services.	sq.m.	\$ 48.38
14.0	SIGNS AND LINE MARKING		
14.1	TRAFFIC CONTROL SIGN – UP TO 600mm x 600mm		
	Supply and place VicRoads standard traffic control sign including supply and erection of galvanised iron post. Sign to be Class 1 reflective material.	each	\$ 192.25
14.2	TRAFFIC CONTROL SIGN – UP TO 900mm x 900mm		
	Supply and place traffic control sign including supply and erection of galvanised iron post. Sign to be Class 1 reflective material.	each	\$ 267.02
14.3	TRAFFIC CONTROL SIGN – UP TO 1200mm x 1200mm		
	Supply and place traffic control sign including supply and erection of galvanised iron posts. Sign to be Class 1 reflective material.	each	\$ 464.61
14.4	STREET NAME SIGN		
	Supply and place Mornington Shire street name sign including supply and erection of galvanised iron posts. Sign to be Class 1 reflective material.	each	\$ 138.85
14.5	RELOCATE EXISTING SIGN – UP TO 900mm x 900mm		
	Remove and relocate existing traffic control sign	each	\$ 53.94
14.5a	RELOCATE EXISTING SIGN – UP TO 2400mm x 2400mm		
	Remove and relocate existing traffic control sign	each	\$ 373.83
14.6	LINE MARKING		
	Works to include supply of line marking machine and support vehicle, minimum of two people in crew including a traffic controller, and all plant, labour and material and set out costs. Minimum 4 hr charge-out. Beading to be applied to all line marking.	per hour	\$ 373.83

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Schedule A2-2 – Schedule of Rates

Item	Description	unit	Rate excluding GST
14.7	RRPMs		
	Supply and place RRPMs (min.No.5)	each	\$ 8.76
15.0	MISCELLANEOUS		
15.1	GUIDE POSTS		
	Supply, place and paint 100mm x 50mm red gum guide post to VicRoads standard SD3001 including reflectors.	each	\$ 30.33
15.2	150mm SQUARE CYPRESS GUIDE POST		
	Supply, place and paint 150mm x 150mm cypress post to Standard Drawing MP804 including reflectors.	each	\$ 133.51
15.3	SAFETY GUARD FENCE		
	Supply and erect galvanised ARMCO guard rail (or approved equivalent as per VicRoads standard drawing SD 3500 series)	per metre	\$ 186.91
15.4	TIMBER RETAINING WALL		
	Supply and construct redgum retaining wall to Standard Drawing MP801 as specified	sq.m.	\$ 293.72
15.5	NATURESTRIPS		
	Prepare naturestrips and other disturbed areas with approved selected loam won from stockpile on site or imported, to a depth of 75mm, levelled, raked, fertilised and sown with an approved seed mixture all as specified.	sq.m.	\$ 9.08
15.6	HOUSE COLLECTION DRAINS		
	Excavate trench, supply, lay, bed, joint and backfill (with F.C.R. under driveways) the following U.P.V.C. house collector drains to Mornington Peninsula Shire standards as specified.		
	150mm dia.	per metre	\$ 86.19
	200mm dia.	per metre	\$ 112.15
15.7	REGRADE OF EXISTING FCR DRIVEWAYS		
	Regrade existing FCR driveway to match new design levels where necessary	sq.m.	\$ 37.81
15.8	SERVICE CONDUITS		

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Schedule A2-2 – Schedule of Rates

Item	Description	unit	Rate excluding GST
	Supply, excavate, bed, lay, joint and backfill with F.C.R. 50mm dia. U.P.V.C. conduits (class 9) including capping at each end, draw strings and marking on kerb and channel.	per metre	\$ 38.13
15.9	BREAK OUT EXISTING KERB AND CHANNEL		
	Break out and remove from site existing kerb and channel as required and dispose of materials	per metre	\$ 27.13
15.10	BREAK OUT EXISTING FOOTPATH		
	Break out and remove from site existing footpath as required and dispose of materials	sq.m.	\$ 24.14
15.11	UTILITY SERVICE ALTERATIONS		
	The Contractor will be paid the actual cost for alterations of any services plus a percentage margin for project managing the works. A record of costs for service alterations must be provided to the Superintendent.	percent	10%

Note all the works under this Schedule of Rates are to be undertaken in accordance with the Mornington Peninsula Shire Specification for Road and Drainage Works and the Mornington Peninsula Shire Standard Drawings, except where otherwise specified.

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Schedule A2-3 – Daywork Rates

Schedule A2-3 - Daywork Rates

PLANT AND EQUIPMENT RATES

Item	Description	Description (Make, model and year)	Normal Rate \$/ hour	Penalty Rate \$/ hour
1.	Profiler	Wirtgen 2000W	\$675.22	\$675.22
2.	Bobcat	Mustang	\$72.72	\$72.72
3.	Bitumen Sprayer	Inter 2000	\$259.70	\$285.67
4.	Asphalt Paver	Bitelli 210	\$285.67	\$311.64
5.	Multi-wheel Roller	Moore SP11	\$67.52	\$93.49
6.	Vibrating Steel Roller	BW 210	\$83.10	\$114.27
7.	6 cm Tip Truck With Spreader	Inter 2630	\$103.88	\$135.04
8.	Suction Sweeper	Johnson	\$135.04	\$155.82
9.	Bitumen/Concrete/Lime Stabiliser & Reclaimer	CMI 525	\$415.52	\$467.46
10.	Heavy grader 130 HP	Cat 130	\$114.27	\$145.43
11	Float	Kenworth Triaxle	\$124.66	\$124.66

LABOUR RATES

Item	Description	Normal Rate \$/ hour	Penalty Rate \$/ hour
1	Technical Officer	\$46.71	\$59.17
2	Supervisor	\$46.71	\$59.17
3	Plant Operator	\$36.33	\$46.71
4	Maintenance Labourer	\$31.14	\$41.52
5	Traffic Controller	\$46.71	\$59.17

The Dayworks Rates in this schedule:

- (a) are only intended to apply for works with a value of less than \$10,000;
- (b) include administration and supervision and all other costs incurred directly or indirectly in providing the plant or labour referred to; and
- (c) only apply to work carried out directly by the Contractor. Materials supply, sub-contract labour and hired plant are paid for in accordance with clause 48.5 (Daywork, without applicable Daywork Rates).

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Schedule A2-4 – Design & Investigation Fee Schedule

Schedule A2-4 - Design & Investigation Fee Schedule

PERCENTAGE FEE FOR DESIGN AND INVESTIGATION SERVICES

Project Cost	Feature survey & utility location	Concept plans	Pavement design & geotechnical investigation	Feature plan with supplementary information	Detailed design	Schedule of quantities & final documentation	TOTAL%
\$10,000	12.0%	6.5%	10.0%	7.5%	6.0%	3.0%	45.0%
\$10,000 - \$50,000	4.6%	5.7%	4.3%	10.0%	5.7%	1.4%	31.7%
\$50,000 - \$250,000	1.8%	2.6%	1.1%	5.1%	2.9%	1.6%	15.1%
\$250,000 - \$500,000	1.3%	1.3%	0.8%	3.3%	1.6%	1.0%	9.3%
\$500,000 plus	1.6%	1.2%	1.0%	2.6%	1.2%	1.0%	8.6%

SCHEDULE OF RATES FOR DESIGN AND INVESTIGATION SERVICES

Item	Position Description / Service	Unit	Rate
1	Unit Manager	Hour	\$134.94
	Project Manager	Hour	\$98.61
	Senior Design Engineer	Hour	\$91.34
	Design Engineer	Hour	\$72.66
2	Survey Crew including plant and equipment	Hour	\$129.75
3	Design Draftsperson	Hour	\$72.66

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Schedule A2-4 -- Design & Investigation Fee Schedule

Item	Position Description / Service	Unit	Rate
4	Geotechnical Testing	Pit or Hour	As per Schedule of Rates - Geotechnical plus 10%
5	Road Safety Auditor	Hour	\$91.34
	Construction Supervisor (inc vehicle)	Hour	\$91.34
	Landscape Designer	Hour	\$72.66

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Schedule A2-4 – Design & Investigation Fee Schedule

SCHEDULE OF RATES – GEOTECHNICAL

Rehabilitation/Reconstruction

(including traffic control however not including a deflection survey and associated deflection analysis)

	Project Cost					
Street Type	AADT	<\$10,000	\$10,000- \$50,000	\$50,000- \$250,000	\$250,000- \$500,000	\$500,000+
		Cost per Pit				
Minor	<150	\$1,018.03	\$945.31	\$872.59	\$799.88	\$727.16
Local Access	150-1000	\$1,119.83	\$1,039.84	\$959.85	\$879.87	\$799.88
Collector	1000-3000	\$1,221.63	\$1,134.37	\$1,047.11	\$959.85	\$872.59
Distributor	>3000	\$1,323.43	\$1,228.90	\$1,134.37	\$1,039.84	\$945.31

Rehabilitation/Reconstruction

(including traffic control, a deflection survey and associated deflection analysis)

	Project Cost					
Street Type	AADT	<\$10,000	\$10,000- \$50,000	\$50,000- \$250,000	\$250,000- \$500,000	\$500,000+
		Cost per Pit				
Minor	<150	\$1,308.89	\$1,215.40	\$1,121.91	\$1,028.41	\$934.92
Local Access	150-1000	\$1,439.78	\$1,336.94	\$1,234.10	\$1,131.26	\$1,028.41
Collector	1000-3000	\$1,570.67	\$1,458.48	\$1,346.29	\$1,234.10	\$1,121.91
Distributor	>3000	\$1,701.56	\$1,580.02	\$1,458.48	\$1,336.94	\$1,215.40

New Construction

	Project Cost					
Street Type	AADT	<\$10,000	\$10,000- \$50,000	\$50,000- \$250,000	\$250,000- \$500,000	\$500,000+
		Cost per Pit				
Minor	<150	\$545.37	\$506.42	\$467.46	\$428.51	\$389.55
Local Access	150-1000	\$599.91	\$557.06	\$514.21	\$471.36	\$428.51
Collector	1000-3000	\$654.45	\$607.70	\$560.95	\$514.21	\$467.46
Distributor	>3000	\$708.98	\$658.34	\$607.70	\$557.06	\$506.42

Schedule A2-4 – Design & Investigation Fee Schedule

Notes on Schedule of Rates – Geotechnical Testing

1. **Location and number of sites** – the location and number of test sites will vary depending on the road type, condition, length, anticipated variability and level of confidence required. Test sites should be performed between 60m to 250m intervals, however, this will depend on the abovementioned factors, which will also need to be closely discussed between the Shire and the Contractor.
2. **Inclusions** – the rates for geotechnical testing include standard inclusions for geotechnical pavement investigation and pavement design, including field testing (excavation, reinstatement, logging, sampling, field CBR testing), pavement design recommendations and laboratory testing such as 4 day soaked California Bearing Ratio (CBR), Soil Classification Tests (Plasticity Index & Sieve Analysis), Standard Compaction Maximum Dry Density and Optimum Moisture Content Curves of selected base/subbase and/or subgrade samples. In most cases, design options will be discussed (particularly for rehabilitation projects) in detail prior to providing detailed recommendations.
3. **Exclusions** – on occasion, professional advice and/or testing may be requested outside the scope of the standard pavement geotechnical investigation and laboratory testing. These items may include items such as specialised traffic control, night works or mix design (for cementitious, bituminous additives and the like) for example. These services may incur additional charges in which case a provisional sum should be allowed, only if and/or when requested.

Schedule of Rates for Additional Geotechnical Services

Professional Advice / Consultancy	Cost (ex GST)
Senior Engineer – Inspections/Advice	155.82/hr
Technical Officer – Inspections	83.1/hr
Travel (if test not performed on site)	51.94/hr
Type of Test	
Constant Head Permeability	389.55
Falling Head Permeability	389.55
Plasticity Index/Linear Shrinkage	93.49
Sieve Analysis (pavement materials only)	62.33
Moisture Content	10.39
MOD Compaction Curve	171.4
STD Compaction Curve	129.85
MOD Laboratory Soaked CBR	285.67
STD Laboratory Soaked CBR	259.7
Nuclear Density Test (Processed Crushed Rock) – assigned value	51.94
Nuclear Density Test (Non Descript Crushed Rock – Hif rapid	155.82
Hif Rapid Compaction Test (Std)	114.27
Other Specialist Test	To be Advised

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Schedule A2-4 – Design & Investigation Fee Schedule

Inclusions and exclusions in Design & Investigation Fee and Rates

Specific Inclusions in Percentage Fee for Design and Investigation Services are:

- Confirm client requirements in the form of a written design brief
- On-site meeting to determine scope of works
- Determine scope and extent of geotechnical investigation from consideration of nature of the project and site conditions
- Prepare a preliminary concept plan (schematic diagram including scope and extent of proposed works)
- Carry out searches with Utilities to establish locations of below ground and overhead utility services
- Conduct an engineering survey of existing conditions as determined by the design brief
- Prepare detailed existing conditions plan from the engineering survey data
- Prepare horizontal alignment including traffic management devices and preliminary drainage layout and estimate of cost
- Geotechnical investigation by NATA registered laboratory in accordance with Mornington Peninsula Shire Standards
- Investigations may include ground and existing pavement condition, where appropriate, for pavement design
- Undertake detailed design including the preparation of relevant documentation including computations, drawings, estimates of cost, quantity schedules and technical specification
- Adopt design which provides construction which will achieve an outcome consistent with nominated guidelines and standards
- Produce all drawings in AutoCad or similar format. Drawings shall generally be A1 or A3 size sheets and be suitable for photographic reproduction. Standard layout in accordance with the Shire's drafting standards
- Produce final detailed estimate of cost

Services which are charged at rates per hour (or per pit) unless noted otherwise:

- Community consultation
- Planning permit and consent under Coastal Management Act applications
- Flora and fauna assessments, vegetation and habitat assessment and landscape design
- Road safety audits as per clause A3-25.5 (Design Road Safety Audits).
- Seeking of approvals from regulatory authorities e.g. VicRoads, Department of Sustainability and Environment, Aboriginal Affairs Victoria
- Net gain analysis under *Victorian Native Vegetation Framework*
- Redesign of projects due to changes to the agreed design brief
- Tendering and construction supervision services
- Preparation of environmental and traffic management plans
- Proving of underground services will be charged at cost plus 10%
- Re-establishment of land title boundaries by a licenced surveyor will be charged at cost plus 10%
- Geotechnical testing services outside the scope of the Schedule of Rates – Geotechnical Testing -or of the type (or requiring the services) listed in the Schedule of Rates – Additional Testing/Services Provided by Geotechnical Consultants will be charged at cost plus 10% (where applicable rates are set out in the Schedule of Rates – Geotechnical Testing, these apply plus 10%)
- Geological investigations and reports will be charged at cost plus 10%
- Specialist design services for public lighting, structures, bridges, retaining walls and water and sewer alterations will be charged at cost plus 10%
- Fees and contribution charges from Utilities and Authorities will be charged at cost.

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Schedule A2-5 – Rates for Asset Inventory Changes

Schedule A2-5 - Rates for Asset Inventory Changes

Item	Description	Unit	Contract Rate (CR) per annum (excl GST)			
			NM*	CM*	ARS*	RMS*
1.	RESIDENTIAL STREETS					
1.1	Extension of the residential street network	m ²	\$0.13	\$0.01	\$0.10	\$0.025
1.2	Additional Local Area Traffic Management structures	Item	\$0.10	\$0.00	\$0.00	\$0.00
2.	RURAL ROADS					
	Extension of the rural road sealed network	m ²	\$0.13	\$0.01	\$0.10	\$0.02
3.	FOOTPATHS					
3.1	Additional concrete footpaths	m ²	\$0.13	\$0.00	\$0.00	\$0.05
3.2	Additional asphalt footpaths	m ²	\$0.13	\$0.00	\$0.00	\$0.025
3.3	Additional brick paved areas	m ²	\$0.23	\$0.00	\$0.00	\$0.10
3.4	Additional sealed cycle ways/shared paths	m ²	\$0.23	\$0.00	\$0.00	\$0.01
3.5	Additional unsealed cycle ways/shared paths	m ²	\$0.23	\$0.00	\$0.00	
3.6	Additional equestrian trails	Lin. M	\$0.23	\$0.00	\$0.00	\$0.01
4.	UPGRADE OF NETWORK ASSETS FROM UNSEALED TO SEALED					
4.1	Carparks and Roads (Net Change)	m ²		\$0.01	\$0.05	\$0.025
4.2	Conversion of Unsealed Shoulders to Sealed Shoulders (Net Change)	m ²		\$0.01	\$0.05	\$0.02

- * NM is Network Management
 CM is Condition Monitoring
 ARS is Annual Reseal Services
 RMS is Routine Management Services

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Schedule A2-6 – Applicable Indices

Schedule A2-6 - Applicable Indices

Description	Applicable Index	%
Network Management	ABS Labour Price Index 6345 Table 2: Total Hourly rates of Pay Excluding Bonuses, All Sectors, Victoria	100%
Integrated Management Plan	ABS Consumer Price Index 6401 Table 1: All Groups, Melbourne	100%
Conditioning Monitoring	ABS Consumer Price Index 6401 Table 1: All Groups, Melbourne	100%
Routine Maintenance Services	ABS Producer Price Index 6427 Table 16: Road & Bridge Construction	100%
Annual Reseal Services	ABS Labour Price Index 6345 Table 2: Total Hourly rates of Pay Excluding Bonuses, All Sectors, Victoria	15%
	ABS Producer Price Index 6427 Table 11: Petroleum & Coal Products Index	60%
	ABS Producer Price Index 6427 Table 16: Road & Bridge Construction	25%
Accelerated Works Projects	ABS Producer Price Index 6427 Table 16: Road & Bridge Construction	100%
Schedule of Rates – General	ABS Producer Price Index 6427 Table 16: Road & Bridge Construction	100%
Daywork Rates for Plant & Equipment	ABS Consumer Price Index 6401 Table 1: All Groups, Melbourne	100%
Daywork Rates for Labour	ABS Labour Price Index 6345 Table 2: Total Hourly rates of Pay Excluding Bonuses, All Sectors, Victoria	100%
Design & Investigation Services Fee Schedule (rates only)	ABS Consumer Price Index 6401 Table 1: All Groups, Melbourne	100%
Rates for Asset Inventory Change	Each rate is adjusted by the Index applicable to the Component Price to which the rate relates (by way of illustration, the rates for Network Management are adjusted using the ABS Labour Price Index 6345 Table 2: Total Hourly rates of Pay Excluding Bonuses, All Sectors, Victoria; the rates for Condition Monitoring are adjusted using ABS Consumer Price Index 6401 Table 1: All Groups, Melbourne).	100%
Minimum value of Resheet Services to be ordered per annum	ABS Producer Price Index 6427 Table 16: Road & Bridge Construction	100%
Performance Security	The overall percentage change (as determined by the Superintendent) in the MSC between Contract Year N and Contract Year N-1, as a result of the application of the Applicable Indices for all of the Component Prices (but without incorporating the Annual Value of Continuing Variations).	100%
Service Point Values	ABS Producer Price Index 6427 Table 16: Road and Bridge construction	100%

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Figures quoted in this schedule are for example purposes only.

Worked example of MSC Calculation per Annexure 2: A1.5

Base component prices per Schedule A2-1

assumed inflation 4.00%

Assumed inflation

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Schedule A2-7 –Worked Example of MSC Calculation

Calculation of Year 1 MSC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Contract year:															
Base Components Prices															
Annual Value of Unincorporated Continuing Variations Contract Year (A2-3.2.1)	8,122,673	11,025,708	10,481,140	10,241,704	8,851,761	7,000,643	6,948,872	6,644,220	7,084,404	6,854,246	6,075,645	7,937,442	6,818,591	7,919,005	8,892,640
Annual Value of Unincorporated Continuing Variations Remaining Years (A2-3.2.2)															
Rise and Fall Contract Year (A2-3.2.3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rise and Fall Remaining Years (A2-3.2.4)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Variable (Base Annual Service Charge Contract Year (A2-3.2.5))	8,122,673														
Variable (Base Annual Service Charge Remaining Years (A2-3.2.6))															
Variable (Base Annual Service Charge Prior Years (A2-3.2.7))															
Total Variable Annual Service Charge (A2-3.2.8)	8,122,673	11,025,708	10,481,140	10,241,704	8,851,761	7,000,643	6,948,872	6,644,220	7,084,404	6,854,246	6,075,645	7,937,442	6,818,591	7,919,005	8,892,640
Fixed Variable Base Annual Service Charge (Remaining Contract Term) (A2-3.2.9)	119,006,754														
Total Variable Base Annual Service Charge (Remaining Contract Term) (A2-3.2.10)	119,006,754														
Fixed Variable Base Annual Service Charge (A2-3.2.11)	7,933,784														
Cash Flow Differential Contract Year (A2-3.2.12)	108,869	7,933,784	2,554,266	2,207,970	917,977	-843,141	-984,912	-882,564	-849,380	-1,078,278	-958,138	-896,342	-1,114,192	-814,779	-1,041,144
Cash Flow Differential Remaining Years (A2-3.2.13)															
Cumulative Cashflow Differential Remaining Contract Years (A2-3.2.14)	108,869	3,860,874	6,415,230	8,153,151	8,871,128	8,827,987	7,843,036	6,853,513	6,004,133	4,974,856	3,956,168	3,070,115	1,958,922	1,041,144	0
Maximum agreed outflow	8,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127	9,671,127
Working capital required	108,869	3,860,874	6,415,230	8,153,151	8,871,128	8,827,987	7,843,036	6,853,513	6,004,133	4,974,856	3,956,168	3,070,115	1,958,922	1,041,144	0
Unsettled Facility	9,482,228	5,780,253	3,225,837	917,976	-1	843,140	1,878,051	2,817,615	3,668,984	4,740,322	5,704,671	6,603,813	7,715,206	8,622,983	9,671,127
Unsettled Facility Required	9,482,228	5,780,253	3,225,837	917,976	-1	843,140	1,878,051	2,817,615	3,668,984	4,740,322	5,704,671	6,603,813	7,715,206	8,622,983	9,671,127
Unused Line Fee Contract Year (A2-3.2.15)	0.75%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unused Line Fee Remaining Years (A2-3.2.16)															
Working Capital Fee Contract Year (A2-3.2.18)	7.75%	43,262	24,194	6,885	0	0	0	0	0	0	0	0	0	0	0
Working Capital Fee Remaining Years (A2-3.2.19)															
Establishment Fee (A2-3.2.18)	0	301,543	499,505	678,269	748,572	684,169	607,838	531,147	468,320	381,655	307,400	237,834	151,584	60,089	0
Total Variable Annual Service Charge Contract Year (A2-3.2.20)	8,229,539	8,278,678	8,467,483	8,619,039	8,683,296	8,617,953	8,544,022	8,464,931	8,359,184	8,215,240	8,241,164	8,171,717	8,085,368	8,014,472	7,933,784
Total Variable Annual Service Charge Remaining Years (A2-3.2.21)	126,003,660														
Total Variable Annual Service Charge (A2-3.2.22)	126,003,660														
Total Variable Annual Service Charge (Prior Years) (A2-3.2.23)	8,337,574														
Total Variable Annual Service Charge (Remaining Contract Term) (A2-3.2.24)	8,337,574														
Monthly service charge	694,759	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574	8,337,574

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Schedule A2-7 –Worked Example of MSC Calculation

Year 2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Contract year															
Base Component Prices															
Unimpaired Price Adjustment Contract Year (A2-3.2.1)	0	11,635,769	10,488,140	10,241,704	9,651,161	7,090,843	6,548,872	6,944,220	7,084,404	6,854,246	6,875,645	7,037,442	6,819,591	7,019,005	6,892,649
Unimpaired Price Adjustment Remaining Years (A2-3.2.2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Base and Flat Contract Year (A2-3.2.3)	0	465,431	0	0	0	0	0	0	0	0	0	0	0	0	0
Base and Flat Remaining Years (A2-3.2.4)	0	0	419,516	409,628	354,070	283,026	277,855	277,769	283,376	274,170	278,826	281,438	272,784	280,768	274,700
Variable Base Annual Service Charge Contract Year (A2-3.2.5)	0	12,101,899	0	0	0	0	0	0	0	0	0	0	0	0	0
Variable Base Annual Service Charge Remaining Years (A2-3.2.6)	0	0	10,907,066	10,651,372	9,206,431	7,314,209	7,226,827	7,221,958	7,387,760	7,126,416	7,354,071	7,318,940	7,092,375	7,299,765	7,103,346
Variable Base Annual Service Charge Prior Years (A2-3.2.7)	8,122,673	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Variable Base Annual Service Charge (A2-3.2.7)	8,122,673	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flat Base Annual Service Charge (Prior Years) (A2-3.2.8)	7,933,784	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Variable Base Annual Service Charge (Remaining Contract Terms) (A2-3.2.8)	7,933,784	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flat Base Annual Service Charge (A2-3.2.9)	0	3,250,595	8,250,595	8,250,595	8,250,595	8,250,595	8,250,595	8,250,595	8,250,595	8,250,595	8,250,595	8,250,595	8,250,595	8,250,595	8,250,595
Cash Flow Differential Contract Year (A2-3.2.10)	0	3,890,660	2,652,070	2,400,777	955,375	-816,337	-1,023,768	-1,028,606	-887,815	-1,122,178	-995,934	-931,856	-1,152,221	-959,800	-1,082,250
Cash Flow Differential Remaining Years (A2-3.2.11)	188,862	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumulative Cash Flow Differential Contract Year (A2-3.2.12)	0	4,039,493	6,691,563	9,092,340	10,047,715	9,231,378	8,207,610	7,178,904	6,290,190	5,167,912	4,171,978	3,240,122	2,287,901	1,378,101	46,851
Cumulative Cashflow Differential Remaining Contract Years (A2-3.2.13)	9,671,127	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum agreed exposure	9,671,127	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Working capital required	9,671,127	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unsettled Facility	9,671,127	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unsettled Facility (taking into account if reached in previous years per A2-3.2.14 & 15)	9,671,127	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unsettled Line Fee Contract Year (A2-3.2.14)	0	42,227	0	0	0	0	0	0	0	0	0	0	0	0	0
Unsettled Line Fee Remaining Years (A2-3.2.15)	0	0	21,309	4,303	0	0	0	0	0	0	0	0	0	0	0
Working Capital Fee Contract Year (A2-3.2.16)	0	3,106,611	0	0	0	0	0	0	0	0	0	0	0	0	0
Working Capital Fee Remaining Years (A2-3.2.17)	0	0	518,584	705,044	379,075	711,156	631,817	552,100	483,682	396,713	319,579	247,359	157,564	83,874	0
Unsettled Facility (taking into account if reached in previous years per A2-3.2.14 & 15)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Variable Annual Service Charge Contract Year (A2-3.2.18)	0	8,605,893	8,791,688	8,945,943	9,029,670	8,961,755	8,892,413	8,802,656	8,734,277	8,647,206	8,576,174	8,497,321	8,408,159	8,314,478	8,256,103
Total Variable Annual Service Charge Remaining Years (A2-3.2.19)	8,229,539	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Variable Annual Service Charge Prior Years (A2-3.2.20)	8,337,574	129,716,681	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Variable Annual Service Charge (Prior Years) (A2-3.2.21)	8,337,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Variable Annual Service Charge (Remaining Contract Terms) (A2-3.2.22)	8,337,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly service charge	0	722,456	0	0	0	0	0	0	0	0	0	0	0	0	0

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Author: Contracts Australia

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Annexure 3

Services Specification

Safer Local Roads
Contract No.1218



**MORNINGTON
PENINSULA**
Shire

**COMMITTED TO A
SUSTAINABLE
PENINSULA**



Annexure 3 – Services Specification

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Annexure 3 - Services Specification

A3-1. Overview of the Services

A3-1.1 Contractor's key responsibilities

The Services comprise the management of the Network and maintenance of the Assets in accordance with the specific requirements of the Contract, and so to meet the applicable Performance Standards.

Without limitation, the Contractor must:

- .1 Regularly inspect the Assets and identify and record Defects;
2. Rectify Defects and plan, program and undertake work to ensure that all Defects are Rectified within their respective Response Times;
- .3 Maintain and update the Asset Inventory as and when Assets are replaced in the course of performing the Services, or when new Assets are constructed as a consequence of any Ordered Work or an Accelerated Works Project and when new or reconstructed Assets are handed over by the Shire in accordance with the Asset Handover Procedure;
4. Monitor the Condition of the PCI Assessable Pavements each Pavement Performance Review Year to ensure that the Required PCI is being achieved at all times;
5. Develop and implement programs as and when required by the Contract;
- .6 Perform during the Contract Term Emergency Management as required by the MERO, the MERC or any other Authority in accordance with Law and the Contract;
- .7 Subject to the directions of any Authority, perform during the Contract all Call-Out Services (including Initial Response) and Emergency Pavement Repairs within the Network in a timely and responsible manner and otherwise in accordance with the Contract;
- .8 Provide the MERO Services, including a nominated individual for appointment as MERO;
- .9 Design and construct the Accelerated Works Projects in accordance with the Accelerated Works Program and other applicable requirements of the Contract;

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- .10 During the Accelerated Works Period, maintain any unsealed roads in accordance with the requirements of the Contract for unsealed roads notwithstanding that those roads are the subject of the Accelerated Works Program;
- .11 Carry out Ordered Work as and when required by the Contract;
- .12 Perform all activities necessary or incidental to the performance of any of the above obligations; and
- .13 Carry out any other activities which the Contractor is required by the Contract to carry out as part of the Services.

A3-1.2 Items outside scope

Notwithstanding any other provision of the Contract (but without any provision of the Contract relating to Variations or Ordered Work), the Contractor is not required to carry out:

- .1 any work of a structural nature or reconstruction or work which would result in the creation of a New Asset (except as part of the Accelerated Works Program or an Ordered Work) or a change in the geometry of the road (except when this is an incident of resheeting);
- .2 any Minor Works, Non-MSC Services or other work which requires a Work Order to initiate it until the Work Order has been issued and the Contractor has had sufficient time (having regard to the nature and scope of the Ordered Work) to mobilise;
- .3 work which is to be carried out by a SIMS Contractor as identified in schedules A3-1 (Scope of Cleansing Contract), A3-2 (Scope of Furniture & Signs) or A3-3 (Scope of Parks & Roadsides Contract) (unless the parties agree in writing to include that work in the Contract);
- .4 work required on property that is not an Asset, except where this is authorised by a direction of an Authority contemplated by clause A3-20 (Emergency Management); or
- .5 detailed design, schedule of quantities and final documentation with respect to any Accelerated Works Project other than AWP Job 14.

A3-1.3 Obligation to notify work outside scope

If the Contractor identifies work that would be desirable to be done to improve the Condition of any Asset but that falls outside the scope of the Core Services, the Contractor must notify the Service Management Team of the identified work and

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must continue to maintain the Asset (to the extent required by the Contract) in its existing Condition until such time as the Shire undertakes the necessary work to fix it.

A3-2. Overview of the Assets

A3-2.1 The Assets for which the Contractor is required to provide the Services as at the Commencement Date are:

- .1 all public roads owned by the Shire as set out in the Road Register;
- .2 all ancillary assets which are the responsibility of the Shire and which support the structure and operation of those roads as public roads, according to their respective Road Hierarchies, limited to those assets specified in the Asset Inventory (and for the avoidance of doubt excluding any assets of the type listed in clause A3-2.2); and
- .3 equestrian trails, carparks, stormwater pumps, easement drains, silt traps, retarding basins, off-road footpaths, boat ramps, jetties and seawalls belonging to the Shire and included in the Asset Inventory.

A3-2.2 The following assets are excluded from the Contract:

- .1 assets for which the state government is responsible;
- .2 Furniture and Signs including lines and line markings (being the assets the subject of the Furniture and Signs Contract); and
- .3 Parks and Roadsides (being the assets the subject of the Parks and Roadsides Contract).

A3-2.3 The Assets are subject to change from time to time by Asset Inventory Changes made in accordance with the Contract.

A3-2.4 The Road Hierarchy used within the Contract (road classification A, B, C and D) is based on the adopted hierarchy used by the Shire and the Register of Public Roads. The Shire reserves the right to review the Road Hierarchy at any time during the Contract and may make any adjustments as a result of any review as part of the Annual Review.

A3-2.5 For the purposes of the Contract, the Asset Inventory is conclusive of the extent and content of the Assets at any point in time (unless it can be established at that time that the Contractor has not been maintaining the Asset Inventory properly in accordance with the requirements of the Contract).

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A3-3. Core Services

A3-3.1 Description

The Core Services are grouped roughly into 6 classes for the purposes of the MSC Calculation Schedule:

- .1 Network Management – all activities specified in the Contract and concerned with the management of the Network and of the Services including inspections, identification and recording of Defects; scheduling and planning work; design of appropriate treatments and programming; contract management; servicing the Service Management Team; customer service and liaison and all other activities to ensure the management of the Network in accordance with the Contract,
- .2 Integrated Management Plan – all activities specified in the Contract and concerned with the preparation and maintenance of the Integrated Management Plan and the management of quality, environmental and safety compliance in the performance of the Contract,
- .3 Condition Monitoring – all activities specified in the Contract and concerned with the collection and analysis of data in each Pavement Performance Review Year for the purposes of ensuring and measuring past and future compliance against the Required PCI and, subject to agreement in accordance with clause A5-9 (Performance Standard 9 -Pavement Condition), of calculating adjustments to the Required PCI to take account of Asset Inventory Changes,
- .4 Routine Maintenance Services – all activities specified in the Contract and concerned with the delivery of the Services as required by the Activity Specifications (other than the Non-MSC Services),
- .5 Annual Reseal Services – all activities (including analysis and design) specified in the Contract and concerned with the development and implementation of the Annual Reseal Program to maintain the Required PCI, and
- .6 Accelerated Works Projects – all activities (including design and construction) specified in the Contract and concerned with delivery of the Accelerated Works Projects in accordance with the Accelerated Works Program.

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A3-3.2 Payment

The Core Services, and all work, labour, plant and materials required to carry out the Core Services are included in the Monthly Service Charge, except where the Contract expressly provides otherwise.

A3-3.3 Performance of the Core Services

The Contractor must carry out the Core Services as and when they are required during the Contract Term so as meet the applicable Performance Standards, Contractual Time Requirements and other requirements of the Contract.

A3-3.4 Deighton Software Licence

The Contractor must, at its own cost, procure a single user licence and a basic level of ongoing support and maintenance (including upgrades) for the Shire of the Deighton Software for a minimum duration equivalent to the Contract Term.

A3-4. Annual Reseal Program

A3-4.1 The Contractor must prepare and submit to the Service Management Team a draft Annual Reseal Program for each Contract Year by 31 July.

A3-4.2 The Annual Reseal Program must provide for works to be undertaken so as to achieve the Required PCI.

A3-4.3 The Service Management Team must review the draft Annual Reseal Program and, if agreed (following amendment or otherwise), submit it to the Senior Representatives by 31 August with a recommendation for approval.

A3-4.4 If the Service Management Team has not made a recommendation to the Senior Representatives in relation to the Annual Reseal Program for any Contract Year by 31 August of that Contract Year, the Senior Representatives may make their own determination (without the need for any referral under clause 9.18).

A3-4.5 If no decision has been made by the Senior Representatives on the Annual Reseal Program for any Contract Year by 30 September in that Contract Year, the Annual Reseal Program for that Contract Year will be as determined by the Contractor.

A3-5. Adjustment of Accelerated Works Program

A3-5.1 The parties acknowledge that certain of the projects nominated in the Accelerated Works Program may be, or become, Third Party Funded Projects during the Accelerated Works Period.

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A3-5.2 If this occurs prior to the commencement of construction of any Accelerated Works Project (subject to any constraints imposed on the Shire by Law):

- .1 the Third Party Funded Project will be removed from the Accelerated Works Program and will be submitted for competitive tender, unless otherwise determined by the Superintendent in the Superintendent's sole discretion,
- .2 upon notification by the Superintendent that a Third Party Funded Project will be so removed, the Contractor must immediately cease work on the design and other activities associated with that Third Party Funded Project,
- .3 the Service Management Team must determine an alternative project with a value equivalent to the value of the removed Third Party Funded Project ("removed project") to be substituted into the Accelerated Works Program. (If the Service Management Team fails to agree on the substitute project, the substitute project will be as identified by the Contractor (except that the Shire may dispute the value equivalence of the project in accordance with the Dispute Resolution Process)),
- .4 the Contractor must carry out the substitute project in accordance with the Contract to the same standards as it would have carried out the removed project and within a reasonable time determined by the Superintendent, having regard to the requirements of the substitute project,
- .5 where a removed project (other than AWP Job 14) has been designed (in whole or in part) by the Contractor prior to its removal, the Shire must pay the Contractor for the design and other activities itemised in the Design & Investigation Fee Schedule (to the extent completed), at a price to be determined by reference to the Design & Investigation Fee Schedule (if fully complete, the full percentage is payable; if partly complete, the price is to be determined on an hourly rates basis). Upon payment under this clause (or in the case of AWP Job 14, upon its removal from the AWP), ownership of the design (to the extent completed) will transfer to the Shire and may be used by the Shire for its competitive tender process, and
- .6 in addition to design costs under clause A3-5.2.5, where the Contractor has reasonably incurred costs in carrying out a removed project (other than AWP Job 14) prior to its removal, the Shire must compensate the Contractor for those reasonable costs, determined on an open book basis. Upon payment under this clause, ownership of any item or work purchased by the Contractor for the removed project will transfer to the Shire and may be used by the Shire for its competitive tender process.

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- A3-5.3 Money paid under this clause is to be paid as an OP or NCV and is not to be attributed to the Accelerated Works Program (with the intent that the Contractor is still required to carry out Accelerated Works up to the full value of the Accelerated Works Program).
- A3-5.4 The Contractor is free to tender for any Third Party Funded Project, even if the Contractor was responsible for its design or any other pre-construction activity relating to it.
- A3-5.5 The Contractor must mitigate any losses incurred by it as a consequence of the substitution of an Accelerated Works Project in accordance with this clause. The amounts paid to the Contractor in accordance with clauses A3-5.2.5 and A3-5.2.6 are in full and final satisfaction of any claim the Contractor may have (whether under the Contract or otherwise) for work done in respect of a removed project.

A3-6. Ordered Work

A3-6.1 Ordered Work

In addition to the Core Services, the Contractor is required to carry out Ordered Work as and when required by Work Orders issued in accordance with the Contract.

A3-6.2 Scope of work that must be ordered

Subject to clause A3-8 (Scope of Minor Works) and without limiting the Superintendent's power to issue Work Orders in any other circumstances:

- .1 the Contractor is entitled to carry out all Non-MSC Services and Minor Works required by the Shire with respect to the Assets during the Contract Term, and
- .2 if the Shire requires any Non-MSC Services or Minor Works at any time during the Contract Term, the Superintendent must issue a Work Order.

A3-6.3 Payment for Ordered Work

Payment for Ordered Work is outside the Monthly Service Charge and, in each case, is on the basis specified in the applicable Work Order Documents. Where the Activity Specifications specify a basis of payment for any Ordered Work, that basis of payment applies, unless the parties agree otherwise in writing.

A3-6.4 Performance of Ordered Work

Ordered Work must be carried out and Completed in accordance with:

- .1 the requirements of the applicable Work Order Documents, and

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- .2 if the Ordered Work is a Non-MSC Service, the applicable requirements of the Activity Specifications.

A3-6.5 Quantity of Ordered Work

Subject to clause A3-6.6 (Annual value of Resheet Services), the Shire gives no guarantees regarding the quantity of any Ordered Work issued under the Contract.

A3-6.6 Annual value of Resheet Services

The total annual value of Resheet Services to be undertaken by the Contractor in each Contract Year must be determined by Service Management Team (but must not be less than \$160,000 (Indexed)).

A3-7. Initiation of Ordered Work

- A3-7.1 Ordered Work will be initiated by the issue of a Work Order. Work Orders must be issued in accordance with the Work Order process in schedule A3-5 (Work Order Process), unless otherwise agreed by the parties.
- A3-7.2 All Work Orders incorporate applicable terms of the Contract.

A3-8. Scope of Minor Works

- A3-8.1 Subject to this clause and to the issue of a Work Order, it is the intention of the parties that the Contractor will undertake all Minor Works that are consistent in nature and type with the Core Services and that are consistent with the Contractor's skills, expertise, resources and availability at the time the Minor Works are required.
- A3-8.2 The Shire has no obligation to award a particular Minor Works to the Contractor if any of the following apply:
- .1 The price quoted by the Contractor for the Minor Works is not acceptable to the Shire.
 - .2 The Shire has reason to believe that the Contractor would be unable to provide the quality required for the Minor Works (for example because the quality of other or similar Minor Works has not been adequate).
 - .3 The Contractor is not available to carry out the Minor Works for a price considered reasonable by the Shire at the time required by the Shire.
 - .4 The Minor Works is required urgently or in response to an Emergency, accident or other unforeseen occurrence. (In this case, but without limiting the scope of this exclusion, the Shire may have work done by whatever resources are

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considered to be most conveniently available at the time, whether they be resources of the Shire itself, the Contractor, emergency services personnel, another contractor or any other person or Authority).

- .5 The Contractor is in breach of any material obligation under the Contract or the Shire has a contractual entitlement to issue a Show Cause Notice or terminate the Contract.
- .6 The Minor Works are incidental to another contract awarded by the Shire.
- .7 Applying the SLR Objectives, the Shire determines that the Minor Works should be bundled with other works (including other Minor Works) and put to competitive tender.

A3-9. Management of other work on the Network

A3-9.1 When Shire Works are being undertaken on the Network, the Contractor is excused from performance of the Services in so far as they pertain to the site of the Shire Works, except to the extent set out below:

- .1 at all times - the Contractor must continue to provide Call-Out Services in a manner compatible with the Shire's or Other Contractor's responsibility (as the case may be) for the site of the Shire Works (but the Contractor must endeavour to contact the Shire and the Other Contractor wherever practicable prior to taking any action with respect to the Shire Works or any property of the Other Contractor), and
- .2 after practical completion of the Shire Works and during their defects liability period – the Contractor is responsible for monitoring the Condition of the Shire Works and for notifying the Shire of any deficiencies in the Condition of the Shire Works in sufficient time to enable the Shire to procure rectification during the applicable defects liability period.

A3-9.2 The Superintendent must:

- .1 provide the Contractor with reasonable advance notice of any Shire Works including a copy of the specification and an outline of the relevant terms on which the Other Contractor will be engaged (not including any terms which the Shire considers to be commercial in confidence), and
- .2 keep the Contractor informed of relevant dates and progress of the Shire Works including the date the Other

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Contractor takes over responsibility for the site of the Shire Works, the dates for and of practical completion and the anticipated date of expiry of the defects liability period.

- A3-9.3 To the extent applicable, the Asset Handover Procedure will apply to Shire Works, as well as works by third parties.
- A3-9.4 Where works by Utilities and other third parties (not including Shire Works) are being conducted, the Contractor must continue to deliver the Services so far as reasonably practicable in a manner that minimises detriment to the works of Other Contractors, employees of Other Contractors and the Environment.
- A3-9.5 The Contractor must undertake changes to scheduled works as necessary to facilitate the proficient and safe execution of Shire Works and work Lawfully undertaken by others.
- A3-9.6 The Contractor must liaise with Other Contractors and Utilities so as to avoid disruption, delays or possible conflicts with the Services.
- A3-9.7 The Shire does not warrant the performance of third parties responsible for activities and functions relating to the Assets. The Shire will however use all reasonable efforts to ensure that its Other Contractors:
- .1 are bound by appropriate contractual obligations consistent with standard Victorian local government practice (including a defects liability period on all capital works of not less than 12 months);
 - .2 comply with their contractual obligations to the Shire; and
 - .3 co-operate as appropriate with the Contractor.
- A3-9.8 The Shire through its representation on the Service Management Team and Operations Team will keep the Contractor informed of the activities and planned activities of Other Contractors insofar as such activities may impact upon the Services.
- A3-9.9 The Contractor must liaise with Utilities so as to facilitate such Utilities providing 24 hours notice directly to the Contractor of commencement of works generally in accordance with the Code of Practice: *Management of Road and Utility Infrastructure in Road Reserves* and as required by the Road Management Act 2004.

A3-10. Working hours

- A3-10.1 The Contractor must perform the Services when they are required, including at any time of any day, unless the Contract

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or a direction of the Service Management Team specifies otherwise.

A3-10.2 Except where the Contract expressly states otherwise, the Monthly Service Charge covers provision of the Core Services regardless of:

- .1 the working hours specified or required to undertake obligations under the Contract; and
- .2 any restrictions on working hours specified by the Contract or which may be imposed by any Authority as contemplated by the Contract.

A3-11. Integrated Management Plan

A3-11.1 The Contractor must establish, implement and maintain an Integrated Management Plan in accordance with this clause and the requirements of AS/NZS ISO 9001 – 2000.

A3-11.2 The Integrated Management Plan must be designed specifically to ensure compliance with the Contract and to minimise risks and liabilities associated with performance of the Services (including, without limitation, risks and liabilities in respect of persons, Assets and the Environment).

A3-11.3 As part of the Integrated Management Plan, the Contractor must establish and maintain a systematic program for identification, assessment, control and review of all matters relating to occupational health and safety, environmental management and quality assurance of processes used in the performance of the Services.

A3-11.4 The Integrated Management Plan must include procedures (including work method statements, work instructions and safe operating procedures, as appropriate) and other measures to ensure compliance with the Contract (including the Performance Standards) and with Laws relating to protection of the Environment and OH&S.

A3-11.5 A complete Integrated Management Plan covering performance of the Core Services must be submitted to the Superintendent for review by 31 March 2007.

A3-11.6 The Contractor is responsible for the quality assurance of the Services and work processes under the Contract in accordance with the Integrated Management Plan.

A3-11.7 The Contractor must continually monitor the effectiveness of the Integrated Management Plan to meet the outcomes and standards required by the Contract and must make improvements and adjustments to the Integrated Management Plan as and when required by the SMT.

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A3-11.8 The Integrated Management Plan does not limit any obligations of the Contractor under the Contract, notwithstanding any review or approval by the Service Management Team, the Superintendent or the Shire.

A3-11.9 The Contractor must, when requested by the Superintendent, provide evidence of the Integrated Management Plan and of the Contractor's ongoing implementation of the Integrated Management Plan.

A3-12. Management of the Contract

A3-12.1 Contractor's responsibility

The Contractor must undertake all duties and responsibilities for the proper management of the Services and its obligations under the Contract including:

- .1 appointment of sufficient and competent personnel to manage the Contract,
- .2 effectively undertaking all its obligations pertaining to the operation of the Service Management Team,
- .3 dealing in a timely manner with all matters that contribute to the effective running of the Contract, and
- .4 dealing with the Shire in a professional manner in accordance with the SLR Objectives.

A3-12.2 Supervision

The Contractor is responsible for the supervision of the Services.

A3-12.3 Operations unit

The Contractor must establish an operations unit incorporating the positions set out in the organisation chart in schedule A3-4 (Contractor's organisation chart). Changes to the organisation structure shown in the organisation chart require the approval of the Service Management Team.

A3-12.4 Systems interfaces

All of the Contractor's IT and management systems used in performing the Services must be able to interface with those of the Shire and must follow the principles of transparency and auditability.

The Contractor must not change any IT or management system which would reduce the inter-operability of the system with the Shire's systems in relation to matters such as software compatibility, data protection, data integrity, virus protection and website compatibility. Any change by the Shire to its IT or to a management system that affects the inter-operability of the

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Contractor's system with the Shire's system will be treated as a Variation.

A3-12.5 Monitoring of customer satisfaction

The Contractor must provide the Shire with such information as is necessary to effectively monitor customer satisfaction with the Services including records of all customer transactions.

The Shire must make available and the Contractor must use the Shire corporate system to enter records of all transactions with customers of the Shire under the Contract.

A3-12.6 Contractor to monitor own performance

In addition to audits by the Shire under clause A3-37 (Audit), the Contractor must regularly monitor its own performance to ensure compliance with the Contract by:

- .1 self-measurement,
- .2 independent checking,
- .3 audit of compliance against the Integrated Management Plan, and
- .4 audit of compliance with Work Orders.

The results of such audits must be made available to the Service Management Team on request.

A3-12.7 Reporting

The Contractor must regularly report to the Service Management Team in relation to the performance of the Services.

Specific reporting requirements are as follows:

- .1 Contractor to report monthly to the Service Management Team in relation to completed reseal and rehabilitation work using the shire codes and other mandatory data fields and in the formats required by schedule A3-6 (data formats and reporting) and schedule A3-7 (Monthly reports)
- .2 Contractor to report to the Service Management Team in March of each Contract Year in relation to treatment unit rates using the mandatory data fields and format required by schedule A3-8 (Reporting of treatment unit rates)
- .3 Sustainability Report to be provided annually in an approved format

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- .4 Annual programs to be submitted in line with the Shire's budget timeline
- .5 Impact of Indexation on the Price is to be forecast annually and reported to the Superintendent in line with the Shire's budget timeline – forecasts are to be based on the most recently published indices available at the time the report is required
- .6 Special reports to be submitted within the specified time as requested by the Superintendent or the Service Management Team, as the case may be
- .7 Adopted programs and other information of general public interest relating to management of the Asset to be submitted for placement on the Shire website on a regular basis
- .8 All records and registers to be maintained and updated and made available in accordance with the terms of the Contract.

A3-13. Inspections

A3-13.1 Program of inspections

The Contractor must plan and implement a program of inspections of the Network which:

- .1 identifies Defects in a timely manner,
- .2 prioritises Defects requiring immediate and urgent attention because they are likely to create a danger or serious inconvenience to users,
- .3 is responsive to reports or complaints from users, the police or other relevant organisations,
- .4 takes account of major accidents or other adverse incidents affecting the Network,
- .5 collates data to monitor performance of the Network and to establish priorities for future works and maintenance operations,
- .6 incorporates all requirements for inspections described in the Contract,
- .7 maintains a detailed record of all works undertaken on the Network and associated sites, and
- .8 enables monthly reporting to the Shire.

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Inspections must be carried out at intervals designed to establish programs of periodic maintenance, rehabilitation and improvement works consistent with the requirements of the Contract.

A3-13.2 Compliance with Road Management Plan inspections

The applicable inspection requirements of the Road Management Plan must be complied with at all times. Without limitation, the Contractor must comply with minimum inspection regime set out in the following tables:

ROADS		
Category	Safety Inspection	Asset Inspection
D (but excluding car parks)	6 Monthly	6 Monthly
C	6 Monthly	6 Monthly
B and car parks	Fortnightly	3 Monthly
A	Weekly	Monthly

OTHER ASSETS		
Location of Asset	Safety Inspection	Asset Inspection
Shared Paths	3 Monthly	3 Monthly
Shopping Centres	Monthly	Monthly
Residential Areas	6 Monthly	6 Monthly
Equestrian Trails	3 Monthly	3 Monthly
Schools	Monthly	Monthly
Foreshores	Monthly – High profile*	Monthly – High Profile*
	6 Monthly - Others	6 Monthly - Others
Parks	Monthly – High profile*	Monthly – High profile*
	6 Monthly – Others	6 Monthly - Others

* High profile sites are identified in the Asset Inventory.

A3-13.3 Other planned inspections

In addition to the planned minimum inspections set out above, the Contractor must undertake all inspections required by the Activity Specifications in accordance with the frequencies set out in the Activity Specifications.

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A3-13.4 Ad-hoc and other unplanned inspections

In addition to the above planned inspection regimes, the Contractor must also undertake:

- .1 ad-hoc inspections in response to reports, complaints, notifications or other representations made to the Contractor (either directly or via the customer enquiry system) or inspections by work crews (this type of inspection is known as an 'Ad Hoc Inspection' for the purposes of the Road Management Plan); and
- .2 inspections following particular events notified to the Contractor or which the Contractor is aware of, limited to such events as the movement of an abnormal heavy load, a road opening or special event or other events likely to have caused Defects to arise in the Asset (this type of inspection is known as a 'Triggered Inspection' for the purposes of the Road Management Plan).

A3-13.5 Review of planned inspection programs

Irrespective of the extent of planned inspections proposed in any year, the program of planned inspections must be reviewed and revised if necessary taking a risk management approach to take account of events which could lead to sudden deterioration of parts of the Network, such as a prolonged or wet winter, or to take account of events which might suggest a reduced risk of deterioration, such as sustained periods of dry weather.

A3-13.6 Standard of inspections

Inspections must be carried out by trained personnel.

Safety Inspections must include inspection of both carriageways and paths.

All inspections must be arranged so as to minimise disruption and delays to users of the Assets.

A3-13.7 Inspection records

The results of all inspections (including "nil returns") taken in carrying out the Services must be recorded into AMIS within 2 hours of completion of inspection.

A3-14. Initiation of work

- A3-14.1 As soon as practicable after identifying and logging a Defect (whether as a result of inspection or otherwise), the Contractor must initiate action to Rectify the Defect within the applicable Response Time.

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A3-14.2 Where an immediate response is not required, the Contractor must ensure that the Defect is prioritised and programmed for Rectification within the appropriate Response Time.

A3-14.3 Subject to clause A3-14.4, where the Activity required to Rectify the Defect is one that is wholly or partly subject to an annual program of works (as specified by the Activity Specification); the Contractor satisfies its obligations under the Contract by:

- .1 recording the Defect and programming it for Rectification as part of the following year's program of works, and
- .2 continuing to monitor the Defect so as to ensure that the Defect does not reach Compulsory Intervention Level before it is programmed for Rectification.

A3-14.4 The Contractor must Rectify any identified Defect before it reaches Compulsory Intervention Level or, at the very latest, within 24 hours of identifying that it has reached the Compulsory Intervention Level.

In the case of Activities not covered by the Monthly Service Charge, the Contractor satisfies its obligations under this clause and clause A3-14.3.2 by reporting the Defect to the Superintendent before it reaches Compulsory Intervention Level or, if it has already reached Compulsory Intervention Level at the time it is identified, by reporting it to the Superintendent within 2 hours of identifying it.

A3-15. Records of actions taken

A3-15.1 All actions taken by the Contractor in response to Defects must be recorded in AMIS within 24 hours of completion of that action or part of action. The location of all completed works must be referenced in accordance with the Shire's location referencing (using Shire Road Blocks).

A3-15.2 Where those actions involve modifications, changes or additions to, or deletions from, the Assets, they must be recorded in AMIS within 24 hours of the modification, change, addition or deletion taking place.

A3-15.3 For the purposes of this clause, the Contractor must ensure that the data fields in AMIS are consistent with the reporting formats set out in schedule A3-6 (Reporting formats), and that on each occasion all applicable data required to populate those data fields is recorded.

A3-16. Provision of AMIS and other data

A3-16.1 All data recorded in or for AMIS for the purposes of this Contract must be accessible by the Shire by electronic means

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in accordance with clause A3-38 (Additional asset and data management requirements).

A3-16.2 Condition data collected for PCI measurement must be available to the Service Management Team on request.

A3-16.3 The Contractor must provide all road condition and other surveys in an agreed format supported, where required, by unprocessed data.

A3-16.4 Without limiting any of the foregoing, the Contractor must provide electronic access to outputs and other system constraint data from dTims, AMIS and other associated database programs relating to reseal and rehabilitation programs and PCI calculations including but not limited to:

- .1 condition data (calculated and unprocessed);
- .2 condition resets;
- .3 deterioration factors;
- .4 proposed future work programs; and
- .5 audit trails,

in order to substantiate final measured PCI from unprocessed survey data.

A3-17. Asset Inventory

A3-17.1 Throughout the Contract Term, the Contractor must keep the Asset Inventory updated to take account of works carried out by it and other changes made to the Network and notified to the Contractor.

A3-17.2 By 1 March 2008, the Contractor must ensure that the Asset Inventory:

- .1 is functionally integrated with the Shire's GIS; and
- .2 has been verified against all of the data sets held by the Shire.

A3-17.3 The parties acknowledge and agree that:

- .1 the Asset Inventory contained in Annexure 9 (Asset and Network Description) may not provide a complete data-set of the Assets as they stood at the Commencement Date; and
- .2 they will work together to create an accurate and up to date shared data-set of all Assets (include the pre-existing Assets) by 31 December 2007.

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- A3-17.4 A hard copy of the Asset Inventory must be submitted by the Contractor to the Service Management Team within thirty (30) days after receipt at any time of a request from Service Management Team.
- A3-17.5 The Shire must provide details of New Assets in accordance with clause 39 (Asset Inventory Changes) and of any other work done in respect of an Asset as soon as practicable after completion of the work and at the latest within one month. This information must be uploaded by the Shire into AMIS in accordance with and subject to clause A3-38.
- A3-17.6 Subject to clause A3-17.7, where the Contractor has replaced an existing Asset with a new Asset of the same standard or where the replacement is of a higher standard, the Contractor must:
- .1 record the following details, as relevant, in the Asset Inventory:
 - Asset item
 - Construction/placement date
 - Location by coordinates
 - Asset type
 - Dimensions and quantities
 - Location including running chainage with side of road reference to the Shire road segments
 - Installation dates
 - Materials
 - Description and Specification e.g. dimensions
 - Replacement costs
 - Existing Asset ID (where existing Asset is replaced, moved or partially disposed of)
 - Other relevant information e.g. asset number
 - Amount of material recycled and the savings or extra cost associated with its use; and
 - .2 provide this information to the Shire's Asset Management Specialist within one month of completion of the replacement works.
- A3-17.7 The Contractor must work with the Shire's Asset Management Specialist in developing the details to be supplied and reporting systems and procedures necessary to have in place to meet the Shire's requirements under clause A3-17.6.
- A3-17.8 All disposals e.g. removal of old culverts, must be recorded including whether or not any residual value has been realised.

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Where materials have not been recycled or are not available for recycling they must be valued to take into account all costs associated with the new replacement materials.

A3-18. Customer service & community liaison

- A3-18.1 The Contractor is the primary point of contact for customers in relation to matters concerning the management of the Network during the Contract Term, except where otherwise provided or required by the Shire.
- A3-18.2 The Contractor must undertake all functions necessary to process and close out customer requests in accordance with Performance Standard 5 (Interface with Shire and Customers).
- A3-18.3 The Contractor must develop and implement a system of consultation with stakeholders in accordance with the Contract with particular emphasis on consultation and notification relating to major works and residents with special needs.
- A3-18.4 Not used.
- A3-18.5 The Contractor's staff must:
- .1 present in a friendly, honest, courteous and efficient manner to members of the public, the Shire and any other people they encounter in the performance of the Services;
 - .2 not commit the Shire to any liability or obligation or compromise the position of the Shire at any time; and
 - .3 be suitably trained in relation to the requirements of this clause.
- A3-18.6 The Contractor must conduct a customer satisfaction survey (in a form approved by the Service Management Team) at least every 6 months during the Contract Term.
- A3-18.7 Where customers contact the Shire to report any issues relating to the Network and the Shire determines that resolution of the issue is part of the Services, the Shire will report the issue to the Contractor and enter it into the Shire's corporate systems.

A3-19. Call Out Services

A3-19.1 Call Out Services generally

The Contractor must provide the Call Out Services in accordance with clause A4-27 (Call Out Service) and other applicable provisions of the Contract.

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A3-19.2 Resources

As part of its Call Out Services obligations, the Contractor must provide, maintain and have accessible the following resources at all times:

- 1 designated staff to act as duty officer/controller and others nominated as 'on call' on a 24 hour basis; and
- 2 an initial response unit containing:
 - warning signage;
 - temporary pedestrian barrier webbing;
 - small chainsaw;
 - initial spill response materials;
 - other equipment as necessary to make the site of the Call Out Service safe.

A3-19.3 Training

The Contractor's staff must be properly and specifically trained in the provision of Call Out Services, consistent with the obligations of the Contractor.

A3-20. Emergency Management**A3-20.1 Training**

The Contractor's staff must be properly and specifically trained in the provision of Emergency Management, consistent with the obligations of the Contractor.

A3-20.2 Establishment of key relationships

The Contractor must ensure that a close working relationship is developed with the Victoria Police and all Emergency services Authorities to ensure that Emergency responses are undertaken in a co-ordinated and effective manner.

A3-20.3 Provision of Emergency Management

The Contractor must make its resources available to respond to any EMA Emergency at the request of an Authority.

A3-20.4 Directions of Authorities

All directions and supervision for Emergency Management must be through the MERO or the MERC. Notwithstanding this, the Contractor must comply with directions given to it directly by all relevant Authorities in an Emergency.

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A3-20.5 Payment

The provision of Emergency Management (to the extent not included in the provision of MERO Services, Initial Response or Emergency Pavement Repair) will be paid for on a Daywork or Schedule of Rates basis, with the cost determined after completion.

A3-21. MERO Services

A3-21.1 The Contractor must nominate one of its employees for appointment by the Shire as the Shire's municipal emergency resource officer (MERO). If approved, the Contractor's nominee will be appointed, subject to the specific terms of his or her appointment, as MERO to exercise functions, duties and powers conferred on the MERO by the Emergency Management Act 1986.

A3-21.2 Terms used in this clause have the meanings given to them by the Emergency Management Act 1986 or by custom and practice associated with the implementation and operation of that Act.

A3-21.3 The Contractor must ensure that any nominee of the Contractor who is appointed by the Shire as the MERO performs the following tasks and any other functions and duties imposed on that person by the Emergency Management Act 1986 (Vic) and the Municipal Emergency Management Plan:

- .1 co-ordination and commission of municipal resources in emergency response;
- .2 organising and providing the resources available in and around the Mornington Peninsula Shire for the purposes of meeting EMA Emergencies (including the Contractor's own resources), when those resources are requested by emergency service Authorities or the Police ;
- .3 maintaining effective liaison with emergency Authorities within or servicing the Shire;
- .4 maintaining an effective contact base so municipal resources can be accessed on a twenty-four hour basis;
- .5 keeping the municipal emergency co-ordination centre(s) prepared to ensure prompt activation if needed;
- .6 liaising with the Municipal Emergency Manager (MEM) and the Municipal Recovery Manager on the best use of municipal resources;
- .7 organising any response debrief requested by the Municipal Emergency Response Co-ordinator (MERC), an appointee of Victoria Police;

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- .8 ensuring procedures and systems are in place to monitor and record activities and expenditure by the Shire in relation to Emergencies;
- .9 co-ordinating, chairing (in the absence of a nominated Councillor) and providing administrative support for all meetings of the Municipal Emergency Management Planning Committee (MEMPC);
- .10 assisting in preparing and maintaining the Municipal Emergency Management Plan and participating in the three yearly audits undertaken by the Director of Victoria State Emergency Service and responding to any audit report within three (3) months;
- .11 ensuring that all key personnel and volunteers engaged in emergency response are appropriately trained with regular update training being provided;
- .12 preparing an annual report on Emergency Management activities including details of any associated expenditure and submitting it to the Shire's Executive Group and Council;
- .13 attending as required all fire prevention committee meetings and any other relevant committee as directed by the Service Management Team;
- .14 on a bi-monthly basis or other frequency as agreed, meeting with the Regional Officer of the State Emergency Service;
- .15 completing and maintaining, in consultation with MEMPC, the Community Emergency Risk Management workbook;
- .16 co-ordinating and organising any requirement of the Municipal Emergency Management Planning Committee including the conduct of an annual emergency management exercise;
- .17 attending at the Divisional Emergency Response Planning Committee meetings (typically twice yearly) and other Divisional sub committee meetings as deemed appropriate; and
- .18 maintaining effective communication with other emergency services personnel.

A3-21.4 The Contractor must support the MERO with the provision of administrative and other resources necessary or desirable for the performance of the MERO Services. The Contractor must also provide administrative support to the MEMPC.

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- A3-21.5 The Contractor must ensure that a close working relationship is developed with the Victoria Police and all Emergency services Authorities to ensure that Emergency responses are undertaken in a co-ordinated and effective manner. The Contractor's obligation under this clause extends to ensuring that any nominee of the Contractor appointed as MERO also complies with this clause.
- A3-21.6 The Shire must, and must ensure that its Agents:
- .1 co-operate with the MERO;
 - .2 comply with all directions of the MERO during an EMA Emergency or otherwise in relation to the planning or preparation for, or the management of, EMA Emergencies and the performance of MERO Services; and
 - .3 make its resources available promptly and immediately in response to a direction of the MERO.
- A3-21.7 Without limiting any other provision of the Contract, the Contractor must liaise and brief the Superintendent as soon as practicable on any incident, crisis or disaster to ensure that agreement is reached on resources required, anticipated costs and any budgetary approvals.
- A3-21.8 The Contractor must have regard for the document "Guidelines for Municipal Emergency Management Planning" in the performance of its emergency management obligations.
- A3-21.9 The Shire warrants that it has the legal capacity to appoint the Contractor's nominee as MERO and will ensure that the appointment of any nominee of the Contractor as MERO is duly undertaken in accordance with Law.
- A3-21.10 The Shire indemnifies the Contractor and any nominee of the Contractor appointed as the MERO (or otherwise undertaking the MERO Services as required by the Contract) against any claim, action, loss or liability suffered or incurred by the Contractor or its nominee arising out of or in connection with:
- .1 the performance in good faith of the MERO Services; or
 - .2 any deficiency in the capacity of the Shire to appoint the Contractor's nominee as MERO or in the process of appointment.
- A3-21.11 The MERO Services are included in the MSC.

A3-22. Dead or injured animals and unattended stock

- A3-22.1 The Contractor must report all dead or injured animals to the Cleansing Contractor for removal and/or burial.

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- A3-22.2 The Contractor must immediately notify the Superintendent of any unattended stock. The Superintendent may require the Contractor to remove the unattended stock from the road reserve under Daywork, or may make arrangements for others to do this.

A3-23. Not used

A3-24. Extraordinary vehicles

- A3-24.1 As part of the Services, the Contractor must assist where required with the safe movement of emergency or other extraordinary vehicles such as over-width/over-length loads, movement of special goods and persons with associated security escorts or processions through the Network. This includes the temporary movement, or suspension of operation, of Worksites and their restoration to normal.
- A3-24.2 Permits for oversize and overweight vehicles will be issued by the Shire's delegated officer. Prior to approving any permit, the Shire's delegated officer must refer the permit request to the Service Management Team for consideration and recommendation as to any suggested rules or conditions to be associated with any approval.

A3-25. Design & construction of Accelerated Works Projects

A3-25.1 Design submission

Design & Investigation Services will be undertaken by the Contractor using the following subcontract resources:

- .1 the MPSC Design Team in accordance with the Design & Investigation Fee Schedule; or
- .2 if the MPSC Design Team is not available at the time the design is required, a suitably qualified and experienced consultant or consultants appointed by the Shire and charged to the Contractor (with such charges being capped at the rates and fees set out in the Design & Investigation Fees Schedule).

A3-25.2 Design & Investigation Subcontract

The Contractor must enter into an agreement with the Shire for the provision of sub-contract services by the MPSC Design Team ('Design & Investigation Subcontract'). The Design & Investigation Subcontract must set out the requirements for the delivery of Design & Investigation Services and the parties must use their best endeavours to ensure that the Design & Investigation Subcontract is formally executed within one month of execution of the Contract.

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A3-25.3 No payment for pre-commencement Design & Investigation Services

For the avoidance of doubt, the parties agree and confirm that:

- .1 Notwithstanding clause A3-25.1 (Design submission), the Contractor is not liable to pay the Shire for any Design & Investigation Services carried out by the MPSC Design Team prior to the Commencement Date in developing the Accelerated Works Program and Accelerated Works Projects, and
- .2 Notwithstanding clause 46 (Price), the Shire is not liable to pay the Contractor for any Design & Investigation Services carried out by the MPSC Design Team or the Contractor prior to the Commencement Date in developing the Accelerated Works Program and Accelerated Works Projects.

A3-25.4 Default by MPSC Design Team

In the event that the MPSC Design Team fails to perform the Design & Investigation Services requirements to the agreed programs or in a manner consistent with the obligations of the Contractor under the Contract, the Contractor may:

- .1 engage a design consultant to undertake or complete the Design & Investigation Services affected by the default or delay (any design consultant engaged by the Contractor under this clause is required to apply the same or substantially the same design standards and specifications as were required by the Design & Investigation Subcontract), and
- .2 recover from the Shire the difference in cost between:
 - (a) the amount that would have been payable to the Shire if the MPSC Design Team had complied with its obligations under this agreement and the Design & Investigation Subcontract, and
 - (b) the amount paid by the Contractor to the external design consultant).

Where the Service Management Team determines that any delay or default in the delivery of Design & Investigation Services by the MPSC Design Team was due to external factors beyond the control of the MPSC Design Team, the Service Management Team may direct that the works program or any other affected requirement be amended and that this clause not apply. Where this occurs, the Contractor's associated obligations with respect to the amended program or other contractual requirement must also be adjusted.

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A3-25.5 Design road safety audits

If a road safety audit is required in connection with any design by the terms of any applicable standard, the provisions of clause A3-37 (Audit) apply.

A3-25.6 Design standards

The standards applied in carrying out any Design & Investigation Services must be the standards applicable as determined by the Service Management Team after consultation with the MPSC Design Team and must generally comply with accepted industry standards. Design innovation must be incorporated wherever possible to ensure minimum "whole of life costs" for the Asset the subject of the design.

Existing culverts within the road to which a design relates, including those across entrances to private property, must be removed and replaced with new pipes or culverts of minimum 300 mm diameter where existing pipes are non-functional or of a lesser standard.

A3-25.7 Approval of design

When the Contractor considers the design of any Accelerated Works Project to be complete (to the extent required by the Contract), the Contractor must submit the design and any associated specifications and drawings to the Service Management Team for approval. Upon approval by the Service Management Team, the design becomes the Approved AW Design.

A3-25.8 Entrances to private properties

As part of any Accelerated Works Projects, the Contractor must, where necessary replace and/or construct vehicle entrances to private property where such entrances already exist or are designated by an existing gateway suitable for vehicles. The standard of rehabilitation must be in accordance with the Shire's Standard Drawing No. MP-305 - Rural Road Crossing.

A3-25.9 Construction standards

The Contractor must construct each Accelerated Works Project in accordance with its Approved AW Design.

A3-26. Manner of work**A3-26.1 No road closures**

Wherever possible, the Services will be undertaken without road closure and accordingly the Contractor must provide traffic management.

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A3-26.2 Co-ordinated works programs

The Service Management Team and the Contractor must consult with the Shire, Utilities and Other Contractors in the planning and programming of the Services so as to ensure that all works programs are co-ordinated wherever possible.

A3-26.3 Standards of materials and workmanship

All materials and workmanship used in performing the Services (including materials incorporated into any Asset) must comply with the standards and specifications set out in the Contract.

If there are no applicable standards in the Contract, Australian Standards apply where appropriate, unless otherwise approved by the Service Management Team.

A3-26.4 Test methods to be applied

Where test methods are appropriate, the Contractor must use Australian Standard test methods, except where otherwise approved by the Service Management Team.

A3-26.5 Testing and results

The Contractor must undertake all testing required by the Contract and must make test results available at the request of the Service Management Team or Superintendent.

A3-26.6 Fire restrictions

During fire restriction periods, bitumen heaters must not be operated on grassed areas and extreme care must be taken when lighting and operating heaters. Before and during fire restriction periods, the Contractor must inspect and maintain spark arresters on all plant to ensure effective operation. Knapsack pumps, fully charged and in good condition, must be carried on all items of automotive plant and trucks during fire restriction periods.

A3-26.7 Compliance with Road Management Plan

The Contractor must comply with the Road Management Plan as it affects the Services at all times.

The parties agree that, whenever the Road Management Plan is modified, the equivalent modifications will be made to the Contract to ensure ongoing consistency with the Road Management Plan. Where changes to the Contract are required pursuant to this clause, those changes will be implemented by way of Continuing Variation (accompanied, as considered appropriate by the Superintendent, by a deed of variation).

The Shire must nominate the Contractor as a stakeholder to be consulted in any review of the Road Management Plan.

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A3-26.8 Disturbance of Assets

Any Asset disturbed as a result of the performance of the Services must be reinstated to a Condition equivalent to that existing prior to disturbance within:

- .1 the lesser of the applicable Response Time and a period of 4 weeks, if the disturbance has caused a Defect to arise; and
- .2 a maximum period of 4 weeks if there is no Defect.

A3-26.9 Smooth junctions with existing works

Any Services carried out adjacent to or adjoining existing works must make smooth junctions with the existing works.

A3-26.10 Care of Utilities and other installations

Prior to the commencement of any excavation or other work below or affecting the surface of an Asset, the Contractor must verify the location and depth of all Utilities and any other installations likely to be located in or below the Worksite.

The Contractor is responsible for any damage caused to Utilities or other installations whose existence was known or should have been reasonably contemplated by the Contractor or was identifiable from the making of standard enquiries.

A3-26.11 Use of Deighton Software

Unless otherwise approved by the Superintendent, the Contractor must use Deighton Software as its pavement modelling and analysis software in preparation of the Annual Reseal Program and in carrying out any other Services to which the Deighton Software has application. If the Contractor requests a change from the Deighton Software to another software package, the Contractor bears all costs associated with the change (including all of the Shire's costs associated with any such change). If the Shire requests the change, all costs are to the Shire's account.

A3-27. Safety

A3-27.1 The Contractor must plan, manage, design and carry out the Services with the objective of minimising the number of accidents and casualties within all types of user groups on the Network.

A3-27.2 At all times, the Contractor must be able to demonstrate that the safety of users and employees is a primary consideration in designing and implementing each Accelerated Works Project and in carrying out the Services generally.

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- A3-27.3 The Contractor must provide a safe working environment for all its employees and implement safe working procedures.
- A3-27.4 The Contractor must take account of health and safety risks in all aspects of the performance of the Services including in relation to design and disposal, as applicable.
- A3-27.5 Within the bounds of clause A3-26.1 (No road closures), the Contractor must ensure that optimum use is made of all traffic management measures for operations and works to minimise overall disruption to traffic and reduce the risk of conflict between vehicles, pedestrians, other road users and the Contractor's operations.
- A3-27.6 The Contractor must report in accordance with the Contract all areas of the Network where works would improve the safety of the Network which would not otherwise be improved as a consequence of the Accelerated Works Program, or the Services generally so that the Shire is fully informed at all times as to the need for safety improvement works to be carried out.
- A3-27.7 The Contractor must:
- .1 provide, erect, maintain, reposition, cover, uncover, or remove traffic signs as required by the Contract;
 - .2 ensure that all approved road closures are clearly signed at least two weeks before implementation and that all closures are reopened to traffic within the specified time; and
 - .3 in all instances liaise with Utilities and comply with the Code of Practice: *Management of Road and Utility Infrastructure in Road Reserves*.

A3-28. Traffic management

- A3-28.1 The Contractor must comply with all applicable Laws in relation to clearways and other restrictions applicable within the Network.
- A3-28.2 The Contractor is required to provide traffic management services in conjunction with all Services undertaken within the road reserve. The Contractor must ensure that those traffic management services are executed in accordance with this Annexure, AS 1742.3 and the Worksite Safety - Traffic Management - Code of Practice. The Worksite Safety - Traffic Management - Code of Practice has precedence where any conflict of requirements occurs.
- A3-28.3 The Contractor must submit for review and comment by the Shire all traffic management plans (TMPs) prepared for the Services. TMPs may be prepared on a project specific basis or

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by way of standard arrangements for recurrent situations (the latter must be resubmitted each 12 months). TMPs must comply with the following conditions:

- .1 All Worksite traffic management signage must comply with and be erected in accordance with a TMP approved by the Shire
- .2 All TMPs should be kept on file, and be able to be accessed by the Shire upon request
- .3 All Worksite traffic control signage must comply with AS 1742.3
- .4 All affected residents should be notified of works
- .5 If a TMP for a particular Service or works requires major traffic control items including:
 - (a) Worksite speed limits
 - (b) Portable traffic signals including "Stop Here On Red Signal" signs,

the application for review of the TMP must be accompanied by an application for referral to VicRoads to seek a Memorandum of Consent (MOC).

- A3-28.3A If the Shire provides the Contractor with comments on any TMP, the Contractor must consider those comments and must use its best endeavours to accommodate the Shire's concerns.
- A3-28.3B If the Shire does not comment on or reject any TMP within 10 Business Days of its submission under clause A3-28.3, the Contractor may proceed to use the TMP.
- A3-28.3C Nothing in this clause prevents the Shire from commenting at any time on a TMP and making suggestions for improvement.
- A3-28.4 Reference in any TMP or other document relating to traffic management (and related records and checklists) must use terminology consistent with AS 1742 and SAA HB81: "Field guide for traffic control at works on roads".
- A3-28.5 The Contractor must supply all necessary signs and temporary barriers to comply with this clause and must ensure that damaged signs are replaced immediately. Works must not commence or continue at any location until all signs and devices specified in the approved traffic management plan are in place. The Service Management Team will undertake regular audits of the Contractor's traffic management at Worksites to ensure compliance with the Contract and the relevant standards as defined above.

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- A3-28.6 The Contractor must provide for use of variable message signs (VMS), where appropriate, in its traffic management plans. The plans must clearly show which activities require the installation of VMS. The Service Management Team may direct the erection of VMS facilities where considered appropriate to provide suitable advance warning and advanced messages of-work activities within the road reserve. Where such direction imposes requirements above those required by AS1742.3, compliance with the directions will be at the Shire's cost.
- A3-28.7 Personnel of the Contractor engaged in traffic management must at all times be accredited as having been trained in basic work zone traffic management by the Institute of Public Works Engineering Australia (IPWEA) or another qualified training provider approved by the Service Management Team. Personnel so trained and accredited will be required to supervise provisions for traffic at each Worksite. The cost of this training with respect to provision of the Core Services must be borne by the Contractor.
- A3-28.8 In carrying out the Services at any Worksite, the Contractor must:
- .1 avoid obstruction or damage to roadways and footpaths, drains and water-courses and public services and other services on or adjacent to the work site which are visible or the location of which can be ascertained by the Contractor from the appropriate authority or from the Contract;
 - .2 have any obstruction removed immediately;
 - .3 at the Contractor's cost, make good all damage caused by the Contractor or any of its Agents (In the event of the Contractor's failure to do so, the Shire may have the remedial work carried out and the cost incurred will be a debt due from the Contractor to the Shire which may be deducted or recovered by the Shire); and
 - .4 take appropriate and reasonable measures to minimise nuisance to the owners, tenants or occupiers of properties adjacent to the site and to the public generally, in accordance with the requirements of the Shire and any relevant Authorities.
- A3-28.9 Where the works at a Worksite remain uncompleted for a period in excess of one week or as directed by the Service Management Team, the Worksite must be inspected and audited at night by the Contractor in accordance with a schedule approved by the Service Management Team.

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- A3-28.10 When determined by the Service Management Team, public notice in an approved form must be given for future works that may cause traffic or resident disruption.
- A3-28.11 Where signs have been erected to control traffic and the works are completed, the signs must be removed from the site within 24 hours of completion.

A3-29. Protection of the Environment and heritage

A3-29.1 General

All Services must be carried out in such a manner as to avoid nuisance and damage to the Environment. Services must be executed in compliance with any Environmental codes of practice, guidelines and Laws in force at any Worksite and in accordance with the requirements of this clause.

A3-29.2 Avoidance of erosion, contamination and sedimentation

The Contractor must plan and carry out the Services to avoid erosion, contamination and sedimentation of the Worksite and its surroundings. Vehicle and machinery movements must be restricted to avoid damage to vegetation.

A3-29.3 Use of chemicals

Herbicides and other toxic chemicals must not be used on the Network without the prior approval of the Service Management Team.

A3-29.4 Protection of watercourses

The Contractor must avoid pollution of watercourses, drains and dams in carrying out the Services by taking appropriate measures to minimise erosion by surface protection of exposed areas, control of runoff water and trapping of sediments.

A3-29.5 Avoidance of nuisance

The Contractor must not make or permit unnecessary or excessive noise, smoke or other similar nuisance when carrying out the Services. Whether noise, smoke or other nuisance is excessive or unnecessary will be reasonably determined by the Service Management Team. All Services must comply with noise guidelines specified by the Environmental Protection Authority (Vic).

A3-29.6 Dust minimisation

The Contractor must ensure that dust generated by the performance of the Services is minimised by a method approved by the Service Management Team.

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A3-29.7 Heritage and archaeological values

The Contractor must protect features significant to heritage or of archaeological value that may be affected by the Services. Without limitation, if the Contractor uncovers anything of possible archaeological, Environmental or cultural significance (including bones or artefacts) at a Worksite or otherwise within the road reserve, it must cease operations at that Worksite or locality and must inform the Service Management Team and the Superintendent of the finding and liaise with relevant Shire officers (e.g. heritage planner, conservation officers, etc) and relevant government departments. The Contractor must not re-commence operations at the affected Worksite or locality until it receives advice from the Superintendent that it may do so.

A3-29.8 Waste management

Drainage spoil, unwanted shoulder material, dig-out material and other non-recyclable road-making material is not to be deposited on the roadside except in accordance with Mornington Peninsula - Westernport Roadsides Management Plan.

Bituminous material is to be taken off-site in all instances unless otherwise approved by the Superintendent or required to be recycled in order to meet Performance Standard 7 (Sustainability).

All material removed off-site (including material containing invasive weed species) must be disposed of in a manner and place approved by the Superintendent.

The disposal of all unwanted material arising from the performance of the Core Services forms part of the Monthly Service Charge.

A3-29.9 Stockpile sites

The Contractor must operate, maintain and secure nominated stockpile sites throughout the Shire using reasonable care, and complying at all times with applicable Laws.

A3-30. Sustainability

A3-30.1 The Contractor must ensure that in the delivery of the Services it addresses the needs of the diverse community of the Shire in accordance with the following principles:

- .1 **Inter & intra generation equity** - the Services must be provided in a manner which is within the community's current financial capacity to pay, having regard to the social and environmental impacts. The Shire warrants that it has the financial capacity to pay the Contractor for the Services required by the Contract.

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- .2 **Enhancement of economic and social well-being** - the Services must be provided at the level necessary to meet the community's expectations in the area of safety and security, access to work, recreation and social contacts, improved amenity and increased efficiency and operation or functioning of towns, provided that this clause does not increase specific obligations of the Contractor under the Contract.
- .3 **Adopt the precautionary principle** - the design and construction of physical infrastructure (where required as part of the Services) must be based on a balanced consideration of sound technical, environmental, social, and economic principles.
- .4 **Conserve non- renewable and use renewable resources** – the Services must be provided in a manner which has regard to the need to conserve resources and reduce reliance on non-renewable resources wherever this is possible consistent with the performance of the Contract. Materials and product used in provision of infrastructure should have regard for a "whole of life" accountability.
- .5 **Maintain & enhance biodiversity** - service and infrastructure design should reflect the need to preserve the biodiversity. Innovation and efficient maintenance and construction methods together with standards should be engaged which maintain and enhance the built infrastructure and natural environment consistent with the requirements of the Contract.
- .6 **Develop community awareness & support** - community participation in the management and provision of Services should be encouraged and pursued wherever possible.

A3-31. Working areas

- A3-31.1 The Contractor must arrange secure and safe parking of plant, and the siting of any temporary buildings required for its own use. All locations for parking and temporary buildings within the Network must be approved by the Superintendent.
- A3-31.2 The Contractor must make all necessary arrangements for office space and depot establishment.
- A3-31.3 The Services must be planned and executed so as to minimise disruptions to vehicular and pedestrian traffic.
- A3-31.4 Written notice must be provided to the occupants of properties whose access is affected by works forming part of the Services.

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- A3-31.5 The Contractor must provide access at the completion of each day's work to properties adjoining the works.
- A3-31.6 Works directly in front of and affecting access to commercial properties must be carried out such that where properties have more than one access then access must be maintained at one access at all times. All accesses to these properties must be reinstated immediately after each operation which restricts access.
- A3-31.7 Where access to private property is required to undertake any works under this Contract, except in emergencies, the Contractor must give 48 hours notice to the property owner prior to entry. A record of all notices given must be retained by the Contractor and provided to the Service Management Team on request.
- A3-31.8 When it is necessary to obtain water from mains, channels, streams, drains or dams, the Contractor must obtain permission from the responsible water authority, pay all relevant fees and observe conditions laid down.

A3-32. Plant

- A3-32.1 The Contractor must ensure that the Contractor's Plant complies with applicable Laws, is suitable for the purposes for which it is used and is maintained in good repair and condition.
- A3-32.2 All Contractor's Plant which is engaged full time outdoors on the Services must be jointly "badged" (that is, bearing the Shire's logo or other approved insignia to indicate that plant is working for Mornington Peninsula Shire Council as well as for the Contractor) in a manner approved by the Service Management Team to ensure that a seamless service is provided to the residents of the Shire. The Shire's logo or other insignia must not be used when working for others or outside of the Shire.
- A3-32.3 Plant and vehicles forming part of the Contractor's Plant must not be more than 5 years of age.
- A3-32.4 The Contractor must ensure that its subcontractors are made aware of, and comply with, the requirements of this clause.
- A3-32.5 The Service Management Team may exempt any specialist or temporary item of plant from the requirements of this clause (not including the obligation to comply with Law), as it determines appropriate.

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A3-32.6 If the Superintendent considers that any item of the Contractor's Plant is deficient, the Superintendent may give notice to the Contractor specifying the deficiency and directing:

- .1 a date by which the deficiency is to be remedied, or
- .2 that the item of the Contractor's Plant is not to be further used in the performance of the Services or otherwise in connection with this Contract.

A3-32.7 A notice given by the Superintendent under clause A3-32.6 may also direct that the item of the Contractor's Plant:

- .1 is not to be used until the deficiency has been remedied, or
- .2 may only be used subject to specified conditions until the deficiency has been remedied.

A3-32.8 A notice given by the Superintendent under clause A3-32.6 must give reasons for the Superintendent's direction.

A3-33. Treatment designs

The Contractor must design all treatments for the road pavement in accordance with the relevant Road Hierarchy to support all legal loads, including B-Doubles and higher mass limits trucks, during the Contract Term.

A3-34. Risk of traffic volumes and heavy vehicles

A3-34.1 Without limiting any other entitlement of the Contractor with respect to Qualifying Changes in Law, the Contractor must make its own assessment of the completeness and accuracy of the estimated traffic volumes and heavy vehicle components provided by the Shire.

A3-34.2 If the Contractor considers at any time that:

- .1 there has been or will be a long term increase in heavy vehicle traffic or demand on any Asset directly as a result of the Shire's approval of any development(s) in the immediate vicinity of the Asset; and
- .2 this increase in heavy vehicle traffic or demand has or will have a material adverse effect on the Contractor's costs of performing or its ability to perform, its obligations under the Contract,

the Contractor may make a claim to the Superintendent for a Continuing Variation. The Superintendent must, if it is satisfied as to the matters set out in paragraphs 1 and 2 above, direct a Continuing Variation to make appropriate adjustments to the

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Contract or the Price or both (as the case may be). Unless otherwise agreed by the Superintendent, the value of a Continuing Variation under this clause must be valued as at the date of claim by the Contractor, regardless of the date on which the change in traffic patterns occurred.

A3-35. Planning Laws and approvals

- A3-35.1 The Contractor must comply with all the requirements of the Planning and Environment Act 1987, any regulations and the local section of Mornington Peninsula Shire Planning Scheme when undertaking the Services.
- A3-35.2 Where a planning approval is required, e.g. removal of tree, the Contractor must prepare and obtain the necessary planning approvals.
- A3-35.3 The Shire will facilitate and expedite the procurement by the Contractor of any necessary planning approvals or permits, but only where it can do so consistently with its proper exercise of statutory functions, discretions and powers.
- A3-35.4 All costs associated with planning approvals, including all fees, submission costs and execution costs, are the responsibility of the Contractor.

A3-36. Innovation

- A3-36.1 The Contractor must explore, develop and present to the Service Management Team potential improvement initiatives and, in a similar manner, pursue potential improvement initiatives suggested to it by the Service Management Team.
- A3-36.2 The Contractor must co-operate with and accommodate the Shire and any third parties to enable such persons to trial new equipment and new methodologies on the Network as required by the Service Management Team.
- A3-36.3 The Contractor, in seeking the agreement of the Service Management Team to implement a new initiative, must present for the consideration of the Service Management Team a brief report including:
 - .1 a description of the nature of the initiative;
 - .2 any previous implementation of the initiative;
 - .3 any identified risks involved and proposed mitigation;
 - .4 the time proposed to implement;
 - .5 any additional or reduced payment for the initiative;

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- .6 benefits quantified and qualified including any safety related benefits;
- .7 any proposed special conditions;
- .8 proposed sharing of benefits between Shire and Contractor; and
- .9 consistency with the Shire's relevant asset management policies, procedures and/or practices.

A3-36.4 The Service Management Team must assess the proposed initiative and, if it considers the initiative will be beneficial, environmentally sustainable and agreeable to both the Shire and the Contractor, make a recommendation to the Shire for its approval, including in respect of any proposed alterations to payments.

A3-36.5 In making its recommendation in respect of any alteration to payment, the Service Management Team must be guided by the principle that if any cost saving results from an approved improvement initiative which does not relax any requirements of the Contract, then there should be no reduction in payments.

A3-37. Audit

A3-37.1 Road safety audit by the Contractor

The Shire may require the Contractor at any time to appoint a road safety auditor. If it does so, the following provisions apply:

- .1 the costs and expenses of the road safety auditor are separately payable by the Shire;
- .2 the Shire bears no liability to the Contractor for any act or omission of the road safety auditor; and
- .3 all audit reports prepared by the road safety auditor must be presented to the Service Management Team for review;

A3-37.2 Road safety audit by the Shire

The Shire may itself appoint a road safety auditor at any time. If it does so, the Shire must provide a copy of the road safety audit report to the Service Management Team for review and a copy must be provided to the Contractor at the same time.

A3-37.3 Actions arising from road safety audits

After reviewing a road safety audit report, the Service Management Team will provide the Contractor with a list of actions which the Service Management Team requires the

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Contractor to take arising out of that report (including the time limits for taking those actions).

The Contractor must carry out the actions required by the Service Management Team within the time limits allowed. If those actions fall within the scope of the Core Services, the Contractor must carry them out at its own cost.

A3-37.4 SMT random audits

The Service Management Team will conduct quality, safety, environmental and risk audits on a random basis of the Integrated Management Plan and of the safety of the Contractor's Plant.

A3-37.5 Contractor's obligation to co-operate

The Contractor must produce all documentation required for an audit initiated by the Shire or the Service Management Team and must assist the auditor in the conduct of the audit.

A3-37.6 Subcontractor audits

The Service Management Team may initiate an audit and surveillance of the work of subcontractors as it sees fit. The Contractor must ensure that its subcontractors co-operate with the conduct of the audit or surveillance and provide all relevant information and documentation.

A3-37.7 External audit

The Shire may from time to time engage an independent external auditor for the purpose of examining whether the Performance Standards are being met and the SLR Objectives are being achieved. The audit may also extend to the adequacy of the Shire's management of the Contract, the operation of the Service Management Team and any probity issues.

A3-37.8 Inspection of accounts

The Shire may, at any time during normal business office hours and after giving at least 5 Business Days notice, attend the premises of the Contractor and inspect the Contractor's financial and accounting records associated with the Services.

A3-37.9 Shire audits

Nothing in this clause prevents the Shire from conducting any audits it considers necessary from time to time to satisfy itself that all requirements of the Contract are being complied with.

A3-37.10 Contractor self-audits

Nothing in this clause limits the obligations of the Contractor to audit and manage its own performance of the Contract in accordance with clauses A3-11 (Integrated Management Plan) and A3-12 (Management of the Contract).

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A3-38. Asset and data management requirements

- A3-38.1 All data in AMIS must be accessible to Shire representatives through a network connection at all times for purposes of viewing data, running reports, data extraction, viewing deterioration algorithms and similar activities.
- A3-38.2 Two concurrent user permissions are included in the MSC. The user permissions will give the Shire the access and ability, subject to this clause A3-38, to do the things specified in clause A3-38.7. Use of these user permission is subject to each user being accredited, following an approved training program, by the Contractor's Asset Management Specialist. Accreditation will be given upon satisfactory completion of the training program in clause A3-38-4 and the accreditation status of any user will thereafter be reviewed annually (and may be withdrawn for suspected or actual misbehaviour, negligence or incompetence).
- A3-38.3 Without limiting any obligation of the Contractor under the Contract, the Shire must (subject to accreditation and training in accordance with this clause A3-38) update AMIS with all new condition data and Shire supplied data where applicable (i.e. updated traffic counts) within one month of data becoming available.
- A3-38.4 Within the first six months of the Contract, the Contractor must provide training with regard to AMIS and dTims functionality, methodology and reporting procedures and query programming with Shire nominated representatives. As part of this obligation, the Contractor must provide up to 6 Shire employees with a 5 day training session designed to ensure that those employees are able to utilise AMIS in order to carry out their functions with respect to the management of this Contract and any other uses agreed in writing by the parties. Training will be conducted at Pymble, New South Wales and the Shire will be responsible for all travel and accommodation costs. The learning objectives of the training will include enabling the Shire personnel to access and update metadata and maintain metadata and inventory files. Metadata has the meaning given in clause A3-38.7.
- A3-38.5 Queries to produce appropriate data must be written by the Contractor to satisfy regular annual reporting functions required by the Shire to meet compliance requirements. dTims must have defined fields populated for all Shire defined road segments as currently held in Shire PMS and to the satisfaction of the Service Management Team.
- A3-38.6 Data for each segment to be stored within the system will include, but not limited to:
- Kerbed/unkerbed status (as defined by Service Management Team)

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- Rural/urban status
- Shire road hierarchies
- Maintenance classification hierarchies
- ADT counts and histories
- ADT count methods (as defined by Service Management Team)
- Bus routes
- Council wards
- Urban truck routes
- Rural truck routes
- Rural flood irrigated areas
- Rural steep grades (as defined by Service Management Team)
- Surfacing data and histories
- Visual condition surveys and histories
- Automated condition surveys and histories
- Pavement Condition Indices for each road segment including the Surface Condition Indices (as defined by the Service Management Team)
- Road infrastructure asset inventories and histories
- Paths
- Carparks
- Periodic maintenance e.g. major patching, rehabilitation and pavement make up
- Geotechnical data.

All of the above data must relate to existing and future Shire defined pavement management system blocks.

- A3-38.7 The Contractor must provide electronic access for nominated Shire representatives to edit and/or create attribute data (metadata) attached to all Assets/data relating to the Contract (that is, Asset Inventory items, road centrelines etc) through AMIS or other software systems. To the extent that access through AMIS is required, clause A3-38.2 applies.
- A3-38.8 The Contractor must provide phone support to the Shire to enable the Shire to fully utilise the benefit of the user licences granted under clause A3-38.2. The level of support included in the MSC is 2 hours per month, with unused support hours being carried forward to the next month.
- A3-38.9 The Shire:
- .1 acknowledges that the Contractor relies on the data contained in AMIS and its other software systems ("Contract Data") in order to perform, and manage the performance of, its obligations under the Contract;
 - .2 undertakes to exercise its rights of access to the Contract Data (including the editorial and creative rights under clause A3-38.7) only via accredited users and at all times

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with a high level of care, consistent with the training and any accreditation given by the Contractor (or, where applicable, a third party provider); and

- .3 indemnifies the Contractor against any loss or damage which the Contractor may suffer or incur as a result of the Shire's breach of clause A3-38.8.2 or negligence by the Shire or any of its Agents in relation to its access to, or use of, Contract Data.

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Annexure 4

Activities & Routine Maintenance Services

Safer Local Roads
Contract No.1218



**MORNINGTON
PENINSULA**
Shire

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SUSTAINABLE
PENINSULA**



Annexure 4 – Activities & Routine Maintenance Services

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Annexure 4 – Activities & Routine Maintenance Services

A4-1. Introduction

A4-1.1 Overview

This document specifies:

- .1 requirements for Routine Maintenance Services on specific Asset classes (clause A4-3 (Routine Maintenance Services)), and
- .2 the nature, timing, standards and other requirements for Activities to be undertaken by the Contractor (see the Activity Specifications in clauses A4-5 to A4-26).

A4-1.2 Application

This specification defines the scope of the Routine Maintenance Services and applies, as relevant, to the Annual Reseal Services and to the Non-MSD Services.

A4-1.3 Pricing

All Activities specified in this document as being included in the MSD are Routine Maintenance Services.

Activities specified in this document as "SOR" or "Daywork Rates" may be priced on a lump sum or other basis where it is agreed by the parties that the Schedule of Rates or Daywork Rates, as the case may be, are not applicable.

A4-2. Operation of Activity Specifications

This clause explains the operation of the Activity Specifications.

A4-2.1 Intervention Levels and Response Times

Where an Activity Specification sets an Intervention Level and a Response Time:

- .1 the Intervention Level defines when a Defect arises
- .2 the Response Time defines the time within which the Contractor must Rectify the Defect
- .3 the Activity Definition, the Activity Standards and the Work Method Requirements define what the Contractor is required to do to Rectify the Defect and satisfy the other requirements of the Activity Specification.

The Response Time for any Defect commences when the Contractor becomes aware of the Defect, either as a result of inspection or notification.

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Activities & Routine Maintenance Services
General obligations

A4-2.2 Programmed works

Where an Activity Specification does not set an Intervention Level and Response Time, the Contractor must develop and deliver an approved program of works as required by the Activity Specification so as to minimise the occurrence across the Network of the Conditions identified in that Activity Specification as Performance Distress or Defects.

A4-2.3 Combinations

Where an Activity Specification sets an Intervention Level and a Response Time and also specifies that the Contractor is required to develop an annual approved program of works:

- .1 the Contractor must develop and deliver an approved program of works as required by the Activity Specification so as to minimise the occurrence across the Network of the Conditions identified in that Activity Specification as Performance Distress or Defects and to limit the likelihood of Defects arising; and
- .2 the Contractor has no obligation to Rectify Defects within the Response Time unless the Compulsory Intervention Level has been reached or a Work Order is issued. Instead, it is sufficient to include the Defect in the following year's program of work.

A4-3. Routine Maintenance Services

A4-3.1 Context

The following provisions set out obligations of the Contractor in the performance of the Routine Maintenance Services as they affect certain classes of Asset.

A4-3.2 Road drainage

- .1 The Network shall be free from any standing water during normal conditions and shall have no standing water within two hours of the cessation of any storm.
- .2 All maintenance shall be carried out so as to ensure that all rural drainage systems included in the Assets continue to meet the needs of the Network relating to interception, flow and run-off of water and to Rectify any defects, including the removal of any blockage, which may interfere with the efficiency of the drainage systems to ensure to maintain flow and prevent ponding, erosion and scour.
- .3 The Contractor shall carry out such liaison and management as is necessary to ensure that third parties who provide services or facilities on which the drainage of the Network relies carry out those services or provide

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General obligations

those facilities so as to minimise the occasions on which for that reason the Contractor fails to meet the requirements of this Contract.

- .4 Where flooding occurs and causes hazardous conditions on the Network, warning measures shall be placed in position as quickly as possible and prompt action shall be taken to protect the safety of users and to put the Network in a fully operational condition.

A4-3.3 Carriageways

- .1 Sealed road pavements after maintenance shall have patches which are consistent with level, texture, colour and shape of the surrounding road surface.
- .2 All patches shall have a smooth riding surface.
- .3 All pavement cracks greater than 5 mm over a length greater than 2 metres leading to pavement failure are to be made waterproof by crack sealing.
- .4 Edges shall be maintained in accordance with activity SEB Interventions
- .5 No pavement failure is to exceed 1 square metre. All pavement failures must be Rectified within 1 week unless included in the areas to be treated under the then current Annual Reseal Program.
- .6 No seal bleeding is to exceed 5 square metres. No loss of aggregate is to exceed 25 square metres.
- .7 The Contractor must not allow any sealed surface to remain stripped, bleeding or in a flushed condition beyond a period of one (1) month of notification.
- .8 The Contractor must not allow a stabilised and/or crushed rock repair to remain without a sealed wearing course for a period of greater than 48 hours from completion.
- .9 The Contractor must maintain lane delineation until such time as permanent markings are applied. Permanent markings must be applied not more than 14 days after placement of any surfacing.

A4-3.4 Carriageway shoulders

- .1 The Contractor shall maintain unsealed shoulders to a level where they can sustain occasional traffic use and also act as a drainage path for runoff drainage from the carriageway.

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General obligations

- .2 Unsealed shoulders shall be free from grass build up, loose, soft or slippery condition and there shall be no "drop off" at the edge of the seal or asphalt after grading.
- .3 Corrugations, scouring, depressions and potholes on unsealed-shoulders must not exceed 50mm in depth. Where a carriageway is approaching this level of severity, it shall be regraded within 2 weeks.
- .4 The subgrade on unsealed shoulders should not be exposed / slippery for an area exceeding 9 sq.m. If the subgrade becomes exposed or any pavement becomes slippery for an area exceeding 9 sq m, the pavement must be resheeted within 2 weeks.

A4-3.5 Segmental and concrete pathways

The Contractor shall maintain brick and concrete paved pathways so that they remain firm with no loose bricks, pavement failures, grass and slip hazards or pedestrian trip hazards evident.

A4-3.6 Sealed pavements generally

Any road segment or carpark that commences the Contract with a sealed surface, or obtains a sealed surface during the Contract Term, shall not be allowed to revert to an unsealed surface at any time during the Contract Term, without the prior written approval of the Service Management Team.

A4-4. Miscellaneous**A4-4.1 Pavement reinstatement**

On reinstatement following any Service (including an Activity, where applicable) paved areas must be of uniform appearance, consist of conforming or compatible material and be durable in nature.

A4-4.2 Contractor responsibility

Where the scope of an Activity falling within the MSC is defined by the size or severity of a Defect, the Contractor must still carry out and complete the Activity within the MSC if the Contractor's failure to comply with a Response Time (or to carry out programmed work) in accordance with the Contract has caused the Defect to reach such a size and severity that, but for this clause, the Contractor would only be required to Rectify it as Ordered Work or as a Variation. The question of whether the Contractor is responsible for a Defect reaching a size and severity outside the scope of the MSC is a question for the Service Management Team in the first instance.

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Activities & Routine Maintenance Services

General obligations

A4-4.3 Rail crossings

At railway crossings, the Contractor is responsible for providing the Services in the area beyond 2.1 metres of the outer rail. All other pavement areas in the vicinity of rail tracks are the responsibility of the Rail Authority.

The maintenance of the boundary fence and the railway signals and/or boom gates and associated signage are the responsibility of the rail authority (including outside the 2.1 metre rail zone). All other approach signs and pavement markings outside the 2.1 metre rail zone are the responsibility of the Furniture and Signs Contractor.

Prior to undertaking any work at or adjacent to a rail crossing it is necessary to liaise with the responsible rail authority to ascertain whether rail authority personnel must be present during the works. The Contractor shall audit the area within the outer rails, report any deficiencies to Vic Track and follow up to that the relevant rail authority is undertaking any work required to ensure the surface complies with the intervention standards specified in this Contract.

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Activity Specifications
Emergency pavement repairs (PER)

ACTIVITY SPECIFICATION	Activity: EMERGENCY PAVEMENT REPAIRS	Code: PER

A4-5. Emergency pavement repairs (PER)

ACTIVITY DEFINITION <i>(What work is included?)</i>
<p>This activity covers short notice pavement repairs required for safety reasons. The work may be temporary if circumstances require.</p> <p>The use of this code is reserved for Emergencies that involve damage to the pavement eg. major pothole, collapsed culvert, burst water main, slippery surfacing or "flushing" surfacing.</p> <p>This activity may often result from the Emergency Call Out Service.</p>

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
<p>Potholes, delamination, patches, corrugation, shoving, rutting, depressions or "flushing" causing a reported significant safety hazard.</p>

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
<p>The work is typically required to repair potholed or failed pavement that is a safety hazard. This activity is only utilised when the works are required on short notice under emergency conditions. The principle reason for the activity is to re-establish a safe road pavement.</p>

ACTIVITY STANDARDS <i>(What is required?)</i>
<p>The work should allow the road to remain open to traffic providing a safe condition under the prevailing conditions of weather, traffic volume, and any speed zone applicable. The work shall provide safe conditions until a permanent repair is undertaken and may require more than one operation.</p>

CONTRACT FORMAT	WORK UNIT
Lump Sum	m ²

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> 1. Notify Superintendent if remedial work cannot provide safe conditions for expected traffic for a minimum period of at least 48 hours. 2. Notify Superintendent if road closure is required for a period exceeding 4 hours. 3. Notify Superintendent if damage has occurred or is likely to occur to property of a third party (e.g. Adjacent Landowner, Public Service, a Utility or an Other Contractor). 4. Execute necessary works as soon as possible utilising abnormal work hours when appropriate to expedite completion of the work. 5. Initiate a program for permanent rehabilitation of pavement with care being taken to match surface textures with the adjoining surface. ie asphalt to asphalt etc within 2 days of the incident. 6. For repairs on Class C & D Roads where over night signage can be provided the works can be

Activity Specifications
Emergency pavement repairs (PER)

Activity:

Code:

ACTIVITY SPECIFICATION

EMERGENCY PAVEMENT REPAIRS

PER

WORK METHOD REQUIREMENTS *(Contractor's undertaking to provide quality)*

delayed up to a maximum period of sixteen (16) hours from the report of the incident.

The requirement to give notice in accordance with this Activity Specification is satisfied by leaving a voicemail message on the Superintendent's mobile or sending an SMS or email or other equivalent communication technology any day or night any day of the week.

NOMINATED HOLD POINTS

Not applicable

METHOD OF PAYMENT

*Included in MSC(LS)
Schedules of Rates (SOR)
Dayworks Rates (DR)*

Included in MSC

WORK UNITm²**UNITS OF MEASURE IF SCHEDULE OF RATES**

Not applicable

PERFORMANCE REQUIREMENTS

Asset	Intervention Level	Response Time
C and D Roads & Carparks	Any situation described as hazardous by the reporter and accepted as such by the Contractor's representative after inspection or as directed by Superintendent.	16 hours (including after hours)
B Roads	Any situation described as hazardous by the reporter and accepted as such by the Contractor's representative after inspection or as directed by Superintendent.	12 hours (including after hours)
A Roads	Any situation described as hazardous by the reporter and accepted as such by the Contractor's representative after inspection or as directed by Superintendent.	Immediate

Activity Specifications
Grading unsealed roads (PGU)

ACTIVITY SPECIFICATION	Activity: GRADING UNSEALED ROADS	Code: PGU
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A4-6. Grading unsealed roads (PGU)

ACTIVITY DEFINITION *(What work is included?)*

This activity includes the grading and reshaping of unsealed road formations including table drains and carparks, whether the surfacing comprises imported granular material or the natural subgrade. The activity includes rolling after grading and the inclusion of water to achieve compaction. The activity also includes spot gravelling to correct potholes, scouring or general roughness and the removal of grass build up on pavements.

PERFORMANCE DISTRESS & DEFECTS *(What do we look for?)*

Potholes, corrugations, channels, scouring, rutting, shoving, coarse materials, loose materials.

PERFORMANCE CRITERIA *(Why do we do it?)*

Unsealed roads and carparks are graded to re-establish crossfall and superelevation, improve the ride quality and re-establish drainage in table drains. Work is intended to enhance the safety performance of the road.

ACTIVITY STANDARDS *(What is required?)*

Lateral Drainage: Crossfall on straights is to be between 3 and 6 percent directly after grading.

Surface Defects: Defects such as channels, scouring corrugations, rutting, shoving and soft spots are to be limited to less than 1% of the area directly after grading.

Drainage: The invert level in table drains is to be >250mm below the surface at the edge of formation directly after grading unless a lesser standard is approved by the Service Management Team due to road terrain difficulties and the like.

CONTRACT FORMAT *(Is it a Lump Sum, SOR or Dayworks Rate Item?)*

Lump Sum & SOR

WORK UNIT

Lane km

WORK METHOD REQUIREMENTS *(Contractor's undertaking to provide quality)*

1. Table drains are to be "turned out" to cross country drainage as often as practical to re-establish the natural "water shed" (maximum spacing of turnouts to be 100m longitudinally desirable). Turnouts are not to deliver drainage directly downhill and shall minimise damage to the natural vegetation.

Activity Specifications
Grading unsealed roads (PGU)

ACTIVITY SPECIFICATION	Activity: GRADING UNSEALED ROADS	Code: PGU
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WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
2.	Any large particles, or other debris likely to pose a danger to traffic are to be removed from the formation to the outside of the table drains.
3.	Grading operations shall avoid unnecessary widening of the road formation or alteration of the established drainage pattern.
4.	Grading operations shall not windrow excessive amounts of material into vegetated areas and particularly around trees.
5.	The cutting of drains shall wherever possible avoid areas under tree canopies or adjacent to trees where damage could be inflicted on roots, trunks and limbs.
6.	Rolling is to be by rubber tyred pneumatic roller capable of maintaining a contact pressure exceeding 450 kpa or equipment specifically approved by the Service Management Team. Watering shall be undertaken to achieve compaction.
7.	After grading no windrows shall remain to interrupt drainage and all damaged guideposts, signs and road furniture resulting from the grading shall be replaced.
8.	Culvert inlets and outlets are to be cleared of any windrow material.
9.	The road is to be left safe for traffic overnight with any hazards clearly signposted.
10.	Grading shall be carried out in accordance with a grading program approved by the Service Management Team. Schedule A4-1 (Scope of Unsealed Roads Grading Program) illustrates the scope of annual unsealed roads grading program the Contractor is expected to provide within the MSC. The annual program shall address seasonal and environmental issues, and does not affect the Contractor's obligations with respect to any Defects that have reached Compulsory Intervention Level.
11.	Additional grading over and above the schedule shall be paid for on a Schedule of Rates basis following the issue of a Work Order. This does not apply to rework within 7 days of grading resulting from poor workmanship, damage due to storms, floods and the like.
12.	The Contractor must take active steps to keep informed of the condition of any unsealed road and must notify the Superintendent as soon as it becomes aware of any section of unsealed road that has reached Intervention Level.
13.	Maintain and update on a weekly basis on the AMIS system.

NOMINATED HOLD POINTS	
1.	Hold Point (SMT) on an annual basis for the approval of the unsealed roads grading program.
2.	Hold Point (SMT) where the Contractor proposes to amend the approved unsealed roads grading program throughout the year.

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Delivery of approved grading program is included in MSC SOR applies for all other grading of unsealed roads.
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Activity Specifications
Grading unsealed roads (PGU)

Activity:

Code:

ACTIVITY SPECIFICATION

GRADING UNSEALED ROADS

PGU

WORK UNIT

Lane km

UNITS OF MEASURE FOR SCHEDULE OF RATES

PGU-1 Grading unsealed roads including provision for watering, rubber tyre rolling, traffic and guide post removal and replacement per lane km. (Unit rate includes "single" and "double cut" as required.)

PERFORMANCE REQUIREMENTS - note: work to rectify these IL's will all be SOR (where grading is additional to programmed grade)

Asset	Intervention Level	Response Time
All Roads & carparks	Corrugations, scouring, depressions and potholes on unsealed roads must not exceed 35mm in depth for >30% of area of formation.	28 days
All Roads & carparks	Corrugations, scouring, depressions and potholes on unsealed roads must not exceed 50mm in depth for >30% of area of formation or any section hazardous to traffic	24hrs

Activity Specifications
Pothole repair (PPR)

ACTIVITY SPECIFICATION	Activity: POTHOLE REPAIR	Code: PPR
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A4-7. Pothole repair (PPR)

ACTIVITY DEFINITION <i>(What work is included?)</i>
This activity covers the reinstatement of sealed surface faults using either base course granular material or bituminous materials. Surface faults under the intervention levels below will require infill material to reinstate the sealed or asphalt surface rather than just a surface dressing.

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
Potholes, small delaminations, localised failures.

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
The sealed or asphalt surface should be restored to smooth, free draining, water tight, well compacted, stable and safe conditions. The relevant performance criteria are ride quality, permeability (water resistance) and integrity.

ACTIVITY STANDARDS <i>(What is required?)</i>
<p>Ride Quality: The patch shall comply with a 1.2m straight edge test result of ± 10mm in any direction.</p> <p>Permeability: All repairs shall be provided with water tight surfaces.</p> <p>Integrity: All repairs shall comprise materials that are generally compatible with the existing pavement. Better quality materials may be used.</p>

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
Not applicable.

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> For coldmix repairs use a tack coat on base and sides of pothole. For asphalt on gravel pavement provide light and uniform tackcoat. For coldmix patches provide a light "blinding" with sand. For granular material patches provide two coat emulsion seal with 7mm aggregate to extend at least 100mm onto the existing surface. The surface when completed shall match the adjoining in texture and colour. i.e. asphalt to asphalt.

Activity Specifications
Pothole repair (PPR)

Activity:	Code:
ACTIVITY SPECIFICATION	POTHOLE REPAIR
	PPR

SPECIAL REQUIREMENTS
Materials are to be sourced from suppliers with established quality management systems who are prepared to certify compliance and allow access for random audit testing by either the Contractor or the Shire.

NOMINATED HOLD POINTS
Not Applicable

METHOD OF PAYMENT	Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)	Included in MSC
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WORK UNIT	Not applicable
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UNITS OF MEASURE IF SCHEDULE OF RATES
Not applicable

PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
D Roads	Any pothole with depth $\geq 50\text{mm}$ and/or diameter $\geq 200\text{mm}$ or equivalent lateral dimension. (Where located on bicycle lanes, depth $\geq 20\text{mm}$)	14 days
	Pothole depth $> 150\text{mm}$ or hazardous to traffic and/or diameter $> 0.5\text{m}$ or equivalent lateral dimension. (On bicycle lanes depth $> 30\text{mm}$)	24 hrs
C Roads	Any pothole with depth $\geq 50\text{mm}$ and/or diameter $\geq 200\text{mm}$ or equivalent lateral dimension. (Where located on bicycle lanes, depth $\geq 20\text{mm}$)	14 days
	Pothole depth $> 150\text{mm}$ or hazardous to traffic and/or diameter $> 0.5\text{m}$ or equivalent lateral dimension. (On bicycle lanes depth $> 30\text{mm}$)	24 hrs
B Roads & Carparks	Any pothole with depth $\geq 50\text{mm}$ and/or diameter $\geq 200\text{mm}$ or equivalent lateral dimension. (Where located on bicycle lanes, depth $\geq 20\text{mm}$)	7 days
	Pothole depth $> 150\text{mm}$ or hazardous to traffic and/or diameter $> 0.5\text{m}$ or equivalent lateral dimension. (On bicycle lanes depth $> 30\text{mm}$)	24 hrs
A Roads	Any pothole with depth $> 35\text{mm}$ and/or diameter $\geq 150\text{mm}$ or equivalent lateral dimension. (Where located on bicycle lanes, depth $\geq 20\text{mm}$)	2 days

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Activity Specifications
Pothole repair (PPR)

ACTIVITY SPECIFICATION	Activity: POTHOLE REPAIR <div style="float: right;">Code: PPR</div>
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PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
	Pothole depth >100mm or hazardous to traffic and/or diameter >0.5m or equivalent lateral dimension. (On bicycle lanes depth >30mm)	24 hrs

Activity Specifications
Resheeting unsealed roads (PRU)

ACTIVITY SPECIFICATION	Activity: RESHEETING UNSEALED ROADS	Code: PRU
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A4-8. Resheeting unsealed roads (PRU)

ACTIVITY DEFINITION <i>(What work is included?)</i>	
<p>This activity covers the provision of imported granular and fine crushed rock overlay material on unsealed roads and carparks and the grading and compaction of this material as a resheet. The activity includes preparatory grading of the formation including table drains.</p> <p>Dust suppression is covered under Activity NDS.</p>	

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>	
Channels, Corrugations, Rutting, Shoving, Potholing.	

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>	
<p>This activity aims to improve the safety performance of the road under all weather conditions. The imported resheet comprises better quality material than the natural subgrade and deteriorates in condition at a slower rate. Resheeting also allows improvements to the geometry of the formation.</p>	

ACTIVITY STANDARDS <i>(What is required?)</i>	
<p>Lateral Drainage: Crossfall on straights is to be between 5% and 6% directly after resheet.</p> <p>Surface Defects: The surface should be free of surface defects such as channels, corrugations, rutting, shoving or soft spots directly after resheet.</p> <p>Drainage: The channel level in table drains is to be 250mm below the surface at the edge of formation directly after resheet unless a lesser standard is approved by the Service Management Team due to road terrain difficulties and the like.</p>	

CONTRACT FORMAT
(Is it a Lump Sum, SOR or Resource Rate Item?)

SOR

WORK UNIT

Lane km

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
<ol style="list-style-type: none"> The annual resheet program for Contract Year 1 shall be developed by the Contractor and submitted to the Service Management Team for approval within 3 months of the Contract commencing. The annual resheet program for each subsequent Contract Year shall be developed by the Contractor and submitted to the Service Management Team for approval. Granular material for resheet is to be pre-approved by the Service Management Team as complying to test requirements. This approval is only required once for each source and type of granular material. Minimum depth of imported granular material is 100mm compacted. Guideposts and signs are to be removed prior to grading and are to be replaced after resheeting in accordance with the Shire specification prescribed in the Schedule of Rates. 	

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Activity Specifications
Resheeting unsealed roads (PRU)

Activity:

Code:

ACTIVITY SPECIFICATION	RESHEETING UNSEALED ROADS	PRU
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5. Culvert inlets and outlets are to be cleared of any windrow material.
 6. Grading operations shall not windrow excessive amounts of material into vegetated areas and particularly around trees.
 7. The worksite is to be left safe for traffic overnight and under no circumstances are windrows to be left on the formation overnight.
 8. Within one week of completion of works, the resheeting data shall be entered into AMIS.
- NB. The Contractor shall as a matter of preference use suitable recycled materials where they are available.

SPECIAL REQUIREMENTS	
	Not applicable

NOMINATED HOLD POINTS	
	1. Hold Point (SMT) for approval of annual re-sheet program.

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Schedule of Rates
--------------------------	--	--------------------------

WORK UNIT	Lane km
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UNITS OF MEASURE FOR SCHEDULE OF RATES
Supply and Haul Material per tonne per km (one way)
Preparation, spread, trim and compact resheet material including all associated work per m ²

Activity Specifications
Local shape correction (PSC)

ACTIVITY SPECIFICATION	Activity: LOCAL SHAPE CORRECTION	Code: PSC
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A4-9. Local shape correction (PSC)

ACTIVITY DEFINITION <i>(What work is included?)</i>
<p>This activity covers the local correction of ruts, shoving, depressions, or abnormal crossfall by application of coldmix, asphalt or emulsion and fine aggregate seals. The activity is limited to individual treatment areas $\leq 25\text{m}^2$. More extensive works are to be rectified as part of the Annual Reseal Services.</p> <p>This activity also includes local shape correction to pavement implants including bluestone pitchers, brick pavers, segmental paving and other similar surfaces associated with the road or street surface.</p>

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
Shoving, depressions, corrugations.

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
Shape correction provides an improvement in surface drainage and ride quality. It provides a safer driving surface.

ACTIVITY STANDARDS <i>(What is required?)</i>
<p>Ride Quality: The resultant surfacing should have a test result under a 3m straight edge of $\leq 15\text{mm}$ in any direction.</p> <p>Rutting: Immediately after treatment rutting under a 1.2m straight edge should be $\leq 10\text{mm}$.</p>

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
m^2

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> The nominated and accepted treatment is to be applied such that at completion of works the surface of the treated area provides a smooth and safe interface with the driving surface of the adjacent roadway. The treated area is to drain surface water without ponding. The type of surfacing and quality of surface finish is to match the existing surfacing or provide improved performance in terms of water resistance and skid resistance.

Activity Specifications
Local shape correction (PSC)

Activity:

Code:

ACTIVITY SPECIFICATION

LOCAL SHAPE CORRECTION

PSC

WORK METHOD REQUIREMENTS *(Contractor's undertaking to provide quality)*

3. If the work requires linemarking, permanent reflective spotting is to be provided and permanent linemarking placed with three (3) days.
4. The flushing of bitumen spraying equipment shall be contained such that waste can be returned to the depot for responsible disposal.

SPECIAL REQUIREMENTS

Work adjacent to traffic signals shall require specific attention to traffic detector loops in the pavement so as to avoid damage to these loops.

Materials are to be sourced from suppliers with established quality management systems who are prepared to certify compliance and allow access for random audit testing by either the Contractor or the Shire.

NOMINATED HOLD POINTS

Not Applicable

METHOD OF PAYMENT

*Included in MSC (LS))
 Schedules of Rates (SOR)
 Daywork Rates (DW)*

Included in MSC

WORK UNITm²**UNITS OF MEASURE IF SCHEDULE OR RATES**

Local shape correction with sprayed seal surface per square metre.
 Local shape correction with asphalt surface per square metre.

PERFORMANCE REQUIREMENTS

Asset	Intervention Level	Response Time
D Roads	Any distressed pavement up to 25m ² in area per segment and deformation >40mm.	120 days
	Any distressed pavement up to 25m ² in area per segment and deformation >75mm. (except at bridge abutments and culverts where deformation >40mm)	24 hrs
C Roads	Any distressed pavement up to 25m ² in area per segment and deformation >40mm.	90 days

Activity Specifications
Local shape correction (PSC)

Activity:

Code:

ACTIVITY SPECIFICATION

LOCAL SHAPE CORRECTION

PSC

PERFORMANCE REQUIREMENTS

Asset	Intervention Level	Response Time
	Any distressed pavement up to 25m ² in area per segment and deformation >75mm. (except at bridge abutments and culverts where deformation >40mm)	24 hrs
B Roads and Car Parks	Any distressed pavement up to 25m ² in area per segment and deformation >40mm.	60 days
	Any distressed pavement up to 25m ² in area per segment and deformation >75mm (except at bridge abutments and culverts where deformation >40mm)	24 hrs
A Roads	Any distressed pavement up to 25m ² in area per segment and deformation >40mm.	30 days
	Any distressed pavement up to 25m ² in area per segment and deformation >75mm. (except at bridge abutments and culverts where deformation >40mm)	24 hrs

or amend SOLAS 1974 to take into account the results of the research and development work carried out in the field of maritime safety.

Activity Specifications
Pavement sweeping (PSW)

ACTIVITY SPECIFICATION	Activity: PAVEMENT SWEEPING	Code: PSW
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A4-10. Pavement sweeping (PSW)

ACTIVITY DEFINITION <i>(What work is included?)</i>
<p>This activity covers the removal of loose material from the road surface and sealed road shoulders by hand brooming, mechanical rotary brooming, suction brooming, or drag brooming of surfaces. This includes sweeping at intersections, median kerbs, median openings, median islands, entrances into carparks, shared bike paths and within bicycle lanes.</p> <p>This activity also applies to the removal of loose stones arising from resurfacing activities.</p>

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
<p>Areas of accumulation of aggregate, sand, dirt and other detritus occurring on pavement, medians, shared pathways or shoulders.</p>

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
<p>This activity aims to remove loose stones and dirt or other debris from the sealed road, medians or apron. Removal of this material enhances safety for the road user, including pedestrians and cyclists.</p>

ACTIVITY STANDARDS <i>(What is required?)</i>
<p>Loose unwanted material should be removed from the roadway surface so as to enhance skid resistance and the effectiveness of linemarking and RRPms, and to provide for pedestrian and cyclist safety on the road.</p>

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
m ²

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> 1. Establish traffic control and job safety. 2. Sweeping operations shall ensure that debris does not enter the storm water drainage system. 3. All debris is to be removed and disposed of legally and responsibly. 4. If approved, material may be recycled in accordance with the principles set out in clause A3-30 (Sustainability).

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	<i>Included in MSC</i>
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Activity Specifications
Pavement sweeping (PSW)

Activity:

Code:

ACTIVITY SPECIFICATION

PAVEMENT SWEEPING

PSW

WORK UNIT

m²

UNITS OF MEASURE IF SCHEDULE OF RATES

Not applicable

PERFORMANCE REQUIREMENTS

Asset	Intervention Level	Response Time
D Roads	Any area $\geq 40\text{m}^2$ where debris is visible within the common travelled path and/or is potentially hazardous to vehicles or pedestrians.	28 days
	Debris accumulation so as to be hazardous due to skid resistance reduction or surface drainage deflection.	24 hrs
C Roads	Any area $\geq 40\text{m}^2$ where debris is visible within the common travelled path and/or is potentially hazardous to vehicles or pedestrians.	28 days
	Debris accumulation so as to be hazardous due to skid resistance reduction or surface drainage deflection.	24 hrs
B Roads	Any area $\geq 10\text{m}^2$ where debris is visible within the common travelled path and/or is potentially hazardous to vehicles or pedestrians.	21 days
	Debris accumulation so as to be hazardous due to skid resistance reduction or surface drainage deflection.	24 hrs
A Roads and Carparks	Any area $\geq 5\text{m}^2$ where debris is visible within the common travelled path and/or is potentially hazardous to vehicles or pedestrians.	7 days
	Debris accumulation so as to be hazardous due to skid resistance reduction or surface drainage deflection.	24 hrs

Activity Specifications
Dust suppression (NDS)

ACTIVITY SPECIFICATION	Activity:	Code:
	DUST SUPPRESSION	NDS

A4-11. Dust suppression (NDS)

ACTIVITY DEFINITION <i>(What work is included?)</i>
This activity covers the application of dust suppression additives to nominated road surfaces.

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
Generation of dust from unsealed pavements is causing environmental and health problems to adjoining properties.
Reduced road amenity due to dust generation causing loss of fines and safety problems.

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
This activity aims to reduce the generation of dust from the unsealed road such that the graded surface following dust suppression only generates acceptable levels of dust.

ACTIVITY STANDARDS <i>(What is required?)</i>
Gravel surface to remain safe and non slippery when wet.
Increased community satisfaction.
Reduction in grading frequency to maintain a trafficable surface.

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
m ²

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> 1. A dust suppression program for Contract Year 1 shall be developed by the Contractor and submitted to the Service Management Team for approval within 3 months of the Contract commencing. For subsequent years, a draft dust suppression program must be developed by the Contractor and submitted to the Service Management Team for approval by the end of April. 2. Prior to commencing works, the Contractor must provide written notice to all adjoining landowners.

Activity Specifications
Dust suppression (NDS)

Activity:

Code:

ACTIVITY SPECIFICATION

DUST SUPPRESSION**NDS****WORK METHOD REQUIREMENTS** *(Contractor's undertaking to provide quality)*

3. Remove surface defects and add gravel-as required, to provide the correct shape, superelevation and crown and compact surface. Rip, grade, loosen to approximately 75mm nominal depth, apply dust suppression, mix and roll to provide a smooth trafficable surface to the correct shape and crossfall.
4. Dust Suppression shall be carried out in accordance with a Dust Suppression program approved by the Service Management Team. Schedule A4-4 (Scope of Dust Suppression Program) illustrates the scope of annual dust suppression work the Contractor is expected to provide within the MSC.

NOMINATED HOLD POINTS

1. Hold Point (SMT) for selection of dust suppression material and determination of application rate.
2. Hold Point (SMT) for determination of the annual dust suppression program.

METHOD OF PAYMENT

Included in MSC (LS)
Schedules of Rates (SOR)
Dayworks Rates (DR)

Included in MSC

WORK UNITm²**UNITS OF MEASURE IF SCHEDULE OF RATES**

Not applicable

Activity Specifications
Edge break repair (SEB)

ACTIVITY SPECIFICATION	Activity: EDGE BREAK REPAIR	Code: SEB
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A4-12. Edge break repair (SEB)

ACTIVITY DEFINITION <i>(What work is included?)</i>	
<p>This activity covers the repair of broken edges of seal or asphalt surfaced pavements. The repair aims to restore the line and level of the original surfacing. Edge repair may involve restoration utilising gravel and asphalt or coldmix, or bituminous seal with fine aggregate. Edgebreak repair refers to activities on both sealed roads with unsealed shoulders and sealed roads with sealed shoulders and carparks including those with kerb and channel.</p>	

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>	
<p>Cracking, edge break, edge drop off, shoving.</p>	

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>	
<p>The edge of seal or asphalt should be free of excessive fretting of the surfaced width and erosion that will encourage water ingress into the pavement and result in unsafe ride quality for vehicles, cyclists and pedestrians forced to use this part of the carriageway.</p>	

ACTIVITY STANDARDS <i>(What is required?)</i>	
<p>Permeability: The surfacing within 200mm of the edge should exhibit at least equivalent water resistance to the rest of the surfaced pavement.</p> <p>Ride Quality: Longitudinally the edge should comply with a 3m straight edge test result less than $\pm 20\text{mm}$.</p> <p>Transversely the straight edge test result at the edge of seal should be less than $\pm 20\text{mm}$ under a 1.2m straight edge.</p>	

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>	WORK UNIT
Lump Sum	Lineal m

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
Not applicable	

Activity Specifications
Edge break repair (SEB)

ACTIVITY SPECIFICATION	Activity: EDGE BREAK REPAIR	Code: SEB
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SPECIAL REQUIREMENTS	<p>Materials are to be sourced from suppliers with established quality management systems who are prepared to certify compliance and allow access for random audit testing by either the Contractor or the Shire.</p>
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NOMINATED HOLD POINTS	
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METHOD OF PAYMENT	Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DR)	Included in MSC
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WORK UNIT	Lineal m
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UNITS OF MEASURE IF SCHEDULE OF RATES
Not applicable

PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
D Roads	Horizontal Fretting $\geq 75\text{mm}$	120 days
	Reduction in original sealed width $\geq 150\text{mm}$	24 hrs
C Roads	Horizontal Fretting $\geq 75\text{mm}$	120 days
	Reduction in original sealed width $\geq 150\text{mm}$	24 hrs
B Roads & Carparks	Horizontal Fretting $\geq 75\text{mm}$	90 days
	Reduction in original sealed width $\geq 100\text{mm}$	24 hrs
A Roads	Horizontal Fretting $\geq 75\text{mm}$	20 days
	Reduction in original sealed width $\geq 100\text{mm}$	24 hrs

Activity Specifications
Grading unsealed shoulders (SGU)

ACTIVITY SPECIFICATION	Activity:	Code:
	GRADING UNSEALED SHOULDERS	SGU

A4-13. Grading unsealed shoulders (SGU)

ACTIVITY DEFINITION <i>(What work is included?)</i>
This activity covers the grading of unsealed shoulders including table drains. The activity includes rolling after grading and the inclusion of water if this is deemed necessary. This activity also includes spot filling, grading and reshaping to correct drop off and excessive cross fall from edge of seal, roughness, scouring or potholing and holding of water.

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
Edge break, edge drop off excessive shoulder cross fall and shoulder rutting.

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
The activity aims to improve the facility provided by the shoulder for occasional traffic use and its function as a drainage path for runoff drainage from the carriageway.
The activity ensures the elimination of "drop off" at the edge of seal or asphalt.

ACTIVITY STANDARDS <i>(What is required?)</i>								
<table style="width: 100%;"> <tr> <td style="width: 25%;">Lateral Drainage:</td> <td>Crossfall on straights is to be between 4% and 6% directly after grading and the increase of crossfall from the standard 4% is to be minimised.</td> </tr> <tr> <td>Surface Defects:</td> <td>The surface is to be tight and compact and free of defects, soft spots, weeds and other vegetation.</td> </tr> <tr> <td>Drainage:</td> <td>Drainage shall be effective and typically the invert level in table drains is to be $\geq 300\text{mm}$ below the surface at the edge of formation directly after grading unless prohibited by the topography.</td> </tr> <tr> <td>Shape:</td> <td>Throughout the length the shape of the shoulder will be continuous with the sealed pavement and reflect the superelevation or crossfall of that pavement such that grass or silt build up will not hold up water.</td> </tr> </table>	Lateral Drainage:	Crossfall on straights is to be between 4% and 6% directly after grading and the increase of crossfall from the standard 4% is to be minimised.	Surface Defects:	The surface is to be tight and compact and free of defects, soft spots, weeds and other vegetation.	Drainage:	Drainage shall be effective and typically the invert level in table drains is to be $\geq 300\text{mm}$ below the surface at the edge of formation directly after grading unless prohibited by the topography.	Shape:	Throughout the length the shape of the shoulder will be continuous with the sealed pavement and reflect the superelevation or crossfall of that pavement such that grass or silt build up will not hold up water.
Lateral Drainage:	Crossfall on straights is to be between 4% and 6% directly after grading and the increase of crossfall from the standard 4% is to be minimised.							
Surface Defects:	The surface is to be tight and compact and free of defects, soft spots, weeds and other vegetation.							
Drainage:	Drainage shall be effective and typically the invert level in table drains is to be $\geq 300\text{mm}$ below the surface at the edge of formation directly after grading unless prohibited by the topography.							
Shape:	Throughout the length the shape of the shoulder will be continuous with the sealed pavement and reflect the superelevation or crossfall of that pavement such that grass or silt build up will not hold up water.							

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
Shoulder km

Activity Specifications
Grading unsealed shoulders (SGU)

ACTIVITY SPECIFICATION	Activity: GRADING UNSEALED SHOULDERS	Code: SGU

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
1.	Windrowing excessive material into vegetation prohibited.
2.	Avoid where possible grading within the drip line of trees to prevent root, trunk and limb damage.
3.	Windrows/drains shall be "turned out" to cross country drainage as often as practical to re-establish the natural "water shed" (maximum spacing of turnouts to be 100m longitudinally desirable). Turnouts are not to deliver drainage directly downhill.
4.	Care must be taken to not progressively shift material in one direction only.
5.	Operations shall be undertaken to avoid dust nuisance and associated safety hazards being co-ordinated in relation to wet weather or supported by water cart operations.
6.	Traffic is not to be required to "straddle" windrowed material.
7.	Culvert inlets and outlets are to be cleared of any windrow material.
8.	A maximum length of windrow allowed on the traffic lane at any one time will be 1 kilometre.
9.	Grading shall be followed within 24 hours by at least one pass of a pneumatic tyred roller with tyre pressure of at least 450 kpa.
10.	Any permanent windrows on the outside of work will be eliminated where they affect cross drainage and at accesses or intersections.
11.	At the end of each day's work the road and road shoulder shall be clear, safe and trafficable unless appropriately signposted.
12.	The grading of grass shoulders is included in the MSC (where it is required), however grading of existing grass shoulders shall only be undertaken at the direction of the Service Management Team. Any remaining scallops, ruts or holes along the join between the shoulder and the seal shall be hand patched with 20mm fine crushed rock material.
13.	Shoulder grading shall be carried out in accordance with a shoulder grading program approved by the Service Management Team. Schedule A4-2 (Scope of Unsealed Shoulder Grading Program) illustrates the scope of annual unsealed shoulder grading program the Contractor is expected to provide within the MSC.

NOMINATED HOLD POINTS	
1.	Hold Point (SMT) on an annual basis for the approval of the shoulder grading program.
2.	Hold Point (SMT) where the contractor proposes to amend the approved shoulder grading program throughout the year.

METHOD OF PAYMENT	Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)	Included in MSC
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Activity Specifications
Grading unsealed shoulders (SGU)

Activity:

Code:

ACTIVITY SPECIFICATION

GRADING UNSEALED SHOULDERS**SGU**

WORK UNIT

Shoulder km

UNITS OF MEASURE IF SCHEDULE OF RATES

Not applicable

PERFORMANCE REQUIREMENTS

Asset	Intervention Level	Response Time
D Roads	Corrugations, scouring, depressions and potholes on unsealed shoulders must not exceed 50mm in depth or Edge of seal drop off >50mm for a length of 20m or more >10% of block length.	100 days
	Edge of seal drop off >100mm for a length of 20m or more >10% of block length.	24 hrs
C Roads	Corrugations, scouring, depressions and potholes on unsealed shoulders must not exceed 50mm in depth or Edge of seal drop off >50mm for a length of 20m or more >10% of block length.	100 days
	Edge of seal drop off >100mm for a length of 20m or more >10% of block length.	24 hrs
B Roads	Corrugations, scouring, depressions and potholes on unsealed shoulders must not exceed 50mm in depth or Edge of seal drop off >50mm for a length of 20m or more >10% of block length.	30 days
	Edge of seal drop off >75mm for a length of 20m or more >10% of block length.	24 hrs
A Roads	Corrugations, scouring, depressions and potholes on unsealed shoulders must not exceed 30mm in depth or Edge of seal drop off >30mm for a length of 20m or more >10% of block length.	7 days
	Edge of seal drop off >50mm for a length of 20m or more >10% of block length.	24 hrs

Activity Specifications
Resheeting unsealed shoulders (SRU)

	Activity:	Code:
ACTIVITY SPECIFICATION	RESHEETING UNSEALED SHOULDERS	SRU

A4-14. Resheeting unsealed shoulders (SRU)

ACTIVITY DEFINITION <i>(What work is included?)</i>	
This activity covers the provision of imported granular overlay material on unsealed shoulders and the grading and compaction of this material as a resheet. The activity includes preparatory grading of the shoulder and table drains.	
PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>	
Edge break, edge drop off, excessive shoulder cross fall, unsuitable shoulder material quality, surface defects.	
PERFORMANCE CRITERIA <i>(Why do we do it?)</i>	
The activity aims to improve the facility provided by the shoulder for occasional traffic use and its function as a drainage path for runoff from the carriageway. This includes elimination of potholes, corrugations, depressions, scours, grass build up, loose, soft or slippery conditions.	
ACTIVITY STANDARDS <i>(What is required?)</i>	
Lateral Drainage:	Crossfall on straights is to be between 4% and 6% directly after resheet.
Surface Defects:	The surface is to be tight and compact and free of defects in shape or soft spots.
Drainage:	The invert level in table drains is to be 250mm below the surface at the edge of formation directly after resheet unless prevented by the local topography.
Shape:	Throughout the length the shape of the shoulder will be continuous with the sealed pavement and reflect the superelevation or cross fall of that pavement.
Vegetation	Shoulder free of weeds, grass and other vegetation.
CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>	
SOR	
WORK UNIT	
Shoulder km	

Activity Specifications
Resheeting unsealed shoulders (SRU)

Activity:

Code:

ACTIVITY SPECIFICATION

RESHEETING UNSEALED SHOULDERS

SRU

WORK METHOD REQUIREMENTS *(Contractor's undertaking to provide quality)*

1. A resheeting program for Contract Year 1 shall be developed by the Contractor and submitted to the Service Management Team for approval within 3 months of the Contract commencing. For subsequent years, the Contractor must develop the draft resheeting program and submit it to the Service Management Team for approval by the end of April.
2. The width of resheeting shall be substantially the same as the existing formation width of the Asset. The formation width shall not be excessively widened and adjacent vegetation shall not be subject to excessive damage.
3. Operations shall be undertaken to avoid dust nuisance and associated safety hazards.
4. Existing surface shall be boxed out to allow at the edge of seal a minimum depth of 100mm of new material. The existing surface shall be tined to provide a key and the lateral mean depth of new material after compaction will be at least 60mm. Material used for resheeting shall have a maximum size of 20mm and be from an approved source.
5. Compaction shall be undertaken at a moisture content that is uniform and in the range 80-100% of optimum moisture content and shall ensure a smooth tight surface without loose material and without excessive movement under the roller.
6. Granular material for resheet is to comply with Service Management Team's requirements after submission of samples for grading and Atterburg limits undertaken by an appropriately registered NATA laboratory.
7. Guideposts are to be removed prior to grading and are to be replaced after resheeting. Any signs needed to be removed to allow the works shall also be reinstated.
8. Culvert inlets and outlets and table drains are to be cleared of any windrow material.
9. Debris or spoil shall be removed and disposed of to an approved location.
10. These works shall be undertaken in such a manner to avoid damage to the existing seal. Any seal damage must be immediately repaired by the Contractor.

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	SOR
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WORK UNIT	Shoulder km
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UNITS OF MEASURE FOR SCHEDULE OF RATESMATERIAL SUPPLY & DELIVERY: Purchase Material; Supply material - per tonne kmHAULAGE: Haulage - per tonne x km (Contractor advises volume hauled and distance travelled one way)OPERATIONS: Prepare, spread, shape and compact material - per m2 completed.

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Activity Specifications
Local scour repair (SSR)

ACTIVITY SPECIFICATION	Activity: LOCAL SCOUR REPAIR	Code: SSR
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A4-15. Local scour repair (SSR)

ACTIVITY DEFINITION <i>(What work is included?)</i>
<p>This activity covers the repair of scouring on batters, shoulders and drains and/or scouring adjacent to inlets or outlets to drainage structures draining the road area, open space or foreshores. The work includes action to reinstate the area affected and to prevent re-occurrence of the scour. This activity is limited to local scour distress which is deemed to comprise a maximum volume of effected material less than 10 cubic metres within a length of 100 metres on any one drainage path.</p> <p>This activity also includes the inspection, reporting and programming of repair works for retaining walls (including timber retaining walls) and crib walls, but all works required with respect to retaining walls or crib walls are subject to Work Orders.</p>

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
<p>Erosion, scour, siltation.</p> <p>Damaged or rotted timbers.</p> <p>Dislodged crib units.</p>

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
<p>This activity aims to maintain or re-establish the effectiveness of shoulder area for occasional use by traffic, the stability of embankment batters and the hydraulic efficiency of drainage inlets and outlets. It also seeks to control or minimise soil erosion.</p>

ACTIVITY STANDARDS <i>(What is required?)</i>
<p>Local scour repair should re-establish embankment width and drainage paths to the as-designed dimensions.</p> <p>Measures to prevent re-occurrence of scour are to be installed.</p> <p>Retaining walls to maintain stability of batters adjacent to the road or street.</p>

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum, except as specified

WORK UNIT
m ²

Activity Specifications
Local scour repair (SSR)

Activity:

Code:

ACTIVITY SPECIFICATION	LOCAL SCOUR REPAIR	SSR
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WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
1.	Any embankment or subgrade material imported for in-fill is to be of a suitable cohesive material and is to be compacted thoroughly with appropriate equipment at an appropriate moisture content.
2.	Any commercial product utilised to provide erosion resistance will be installed in accordance with manufacturer's instructions.
3.	Do not move fill material over existing vegetation if this can be avoided.
4.	Any debris or excavated material will be disposed of legally and responsibly.
5.	Inspect and submit for approval maintenance works on retaining walls to the Service Management Team. Maintenance work on retaining walls and crib walls, when approved, is to be undertaken as Ordered Work.

NOMINATED HOLD POINTS
Not applicable

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Daywork Rates (DW)</i>	<i>Included in MSC, except for work on a retaining walls or crib walls</i>
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WORK UNIT	m ²
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UNITS OF MEASURE IF SCHEDULE OF RATES
Not applicable

PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
All	Any scour occurrence length >5m and mean scour depth ≥150mm.	30 days
All	Scour undercutting a road asset with potential for major erosion or safety hazard.	24 hrs

Activity Specifications
Minor repair lined drains (DLD)

ACTIVITY SPECIFICATION	Activity:	Code:
	MINOR REPAIR LINED DRAINS	DLD

A4-16. Minor repair lined drains (DLD)

ACTIVITY DEFINITION <i>(What work is included?)</i>
<p>This activity covers the inspection, repair and maintenance of lined drains and outfalls. These include concrete, stone pitched drains, UPVC, plastic, Black Brute, drains permanently protected by geotextile or similar material and drains lined with galvanised corrugated iron units.</p> <p>Work includes repair of scour or subsidence as well as the clearing of siltation or vegetation affecting the efficiency of the drain.</p> <p>This activity excludes Services relating to pipes over 450 mm diameter and concrete spoon drains that form an integral part of the pavement. Activities relating to pipes over 450mm diameter are Non-MSD Services. Activities relating to concrete spoon drains that form an integral part of the pavement are to be undertaken as part of Activities relating to the pavement.</p>

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
Scour (erosion), stepping, major cracking, siltation, vegetation and flooding.

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
Lined drains will be maintained to retain and direct drainage flows to their point of discharge without overflow/flooding, significant leakage or siltation for the safety of the public and the protection of the road assets and adjacent areas including the Shire reserves, parks, roadsides and foreshores.

ACTIVITY STANDARDS <i>(What is required?)</i>
Open lined drains shall provide unobstructed free flow of water along their length, without ponding or overflow. Joints shall be maintained to prevent significant leaking/subsidence/weed growth. Vegetation shall be cleared 0.5m each side of the drain and grass shall be mowed or, with the Service Management Team's approval, sprayed with herbicide.

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
Lineal m/Number of Outfalls

Activity Specifications
Minor repair lined drains (DLD)

ACTIVITY SPECIFICATION	Activity: MINOR REPAIR LINED DRAINS	Code: DLD
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WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
1.	Repairs where practical shall be programmed during dry weather.
2.	All areas of damaged concrete, stone pitching, UPVC, plastic, black brute geotextile or galvanised iron shall be removed to provide neat, straight, regular jointing for the new work.
3.	The work shall match the materials and geometry of the surrounding drain construction and surfaces shall align to a tolerance of $\pm 15\text{mm}$.
4.	Any voids or scours under or adjacent to the lined drain shall be filled and made good with sound materials. Stone or concrete may be used only after the subgrade area is compacted.
5.	When concrete is utilised it shall provide for a nominal compressive strength of 20 MPa unless specifically varied with Service Management Team's approval.
6.	Formwork, props and falsework are not to be left in a situation where they may block the watercourse or pipe inlet and cause property or roadway flooding.
7.	Large voids or scours (volumes $> 1\text{m}^3$) fall outside the scope of the Core Services (subject to clause A4-4.2 (Contractor responsibility). Where voids or scours of this magnitude are identified, the Contractor must report them to the Superintendent, who may issue a Work Order.

NOMINATED HOLD POINTS	
Not applicable	

METHOD OF PAYMENT	Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)	Included in MSC (except as stated).
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WORK UNIT	Lineal m/Number of Outfalls.
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UNITS OF MEASURE IF SCHEDULE OF RATES	
Not applicable	

PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
All lined drains and outfalls (except as stated)	Stepping in jointing or other faults causing ponding or scour leading to a $> 10\%$ reduction in waterway area.	30 days
	Defect causing total diversion of flow from drain or causing a public nuisance or road safety hazard.	24 hrs

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Activity Specifications
Clear open drains (DOD)

ACTIVITY SPECIFICATION	Activity: CLEAR OPEN DRAINS	Code: DOD
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A4-17. Clear open drains (DOD)

ACTIVITY DEFINITION <i>(What work is included?)</i> <p>This activity covers all unlined open drains, catch drains, spoon drains, table drains and waterways that contribute to the structural integrity of the roadway, carpark, parks and foreshores. The mowing of low flow channels, table drains and catch drains, if grassed, is outside the scope of this Contract. Table drains are to be cleaned, graded or reshaped as required to remove obstructions. Watercourses may require maintenance to remove or control silt or scour in the immediate vicinity of, and affecting drainage in the road reserve. This activity also includes the clearing of ocean outfalls.</p> <p>Chemical spraying in open drains may be undertaken following Service Management Team approval.</p> <p>Clearing in natural watercourses is only to be undertaken with the submission and approval of a site specific work plan.</p>
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PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i> <p>Scour, erosion, siltation, blockage due to vegetation and flooding.</p>

PERFORMANCE CRITERIA <i>(Why do we do it?)</i> <p>Open drains shall be cleaned to promote the free flow of drainage off the pavement for the safety of road, carpark, park and foreshore users and the integrity of the pavement. Water courses below bridges are cleared to promote flow which will not cause damage to the structure.</p> <p>To keep ocean outfalls operational at all times.</p>

ACTIVITY STANDARDS <i>(What is required?)</i> <p>The capacity of open drains will be maintained so that the width and depth of flow will not be a nuisance, cause overflow or flooding under design flow conditions. The direction and grade of drainage in open drains is to be maintained as designed.</p> <p>Erosion shall be minimised.</p> <p>Out fall drains to be fully operational with full capacity to discharge to the Bay.</p>
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CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
Lineal m

Activity Specifications
Clear open drains (DOD)

ACTIVITY SPECIFICATION	Activity: CLEAR OPEN DRAINS	Code: DOD
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WORK METHOD REQUIREMENTS *(Contractor's undertaking to provide quality)*

OPEN DRAINS

1. Set up a regular program of inspection of at least 6 monthly intervals co-ordinated where possible with inspection programs for other Assets. From these inspections, prepare a program for submission to the Service Management Team for the rehabilitation of open drains over the following six (6) month period.
2. The Contractor shall maintain grades in drains as designed and shall not work so as to deteriorate the function of adjacent shoulders or other areas.
3. Provide regular turn out drains when grading table drains. Maximum desirable spacing is to be 100m and spacing is to be appropriate to grade. Damage to adjoining vegetation to be kept to a minimum.
4. Ensure turn out drains direct drainage along a contour to assist in flow dispersal.
5. Avoid damage to appropriately grassed drains, reseed as required to maintain grass cover.
6. Drains are to be located by GPS and must be entered into the Asset Inventory, if they are not already recorded.

NATURAL WATERCOURSES

1. Clear when flow is obstructed by trees or other vegetation after submission and approval of a site specific work plan developed by the Contractor.
2. Control proclaimed pest plants and environmental pest plants after submission and approval of a site specific work plan, where these plants are obstructing the flow.
3. Ensure surface and ground waters are not polluted by complying with clause A3-32 (Protection of the Environment and heritage).
- 4.

BAY OUTFALL MAINTENANCE

1. All Port Phillip Bay outfalls shall be inspected on a 2 weekly basis in the summer and on a monthly basis in the winter to determine the work required to maintain the outlet in an operational condition.
2. Ocean outfalls on Western Port Bay shall be inspected on a two (2) monthly cycle.
3. Upon discovery or following report from a customer, the ocean outfall shall be cleared to achieve the Activity Standards.

NOMINATED HOLD POINTS

1. Hold Point (SMT) at commencement of contract to obtain approval to inspection program for drains.
2. Hold Point (SMT) for submission and approval of a work plan for work within any watercourses.
3. Hold Point (SMT) for approval for chemical spraying in open drains.

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Included in MSC
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WORK UNIT	Not applicable
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UNITS OF MEASURE IF SCHEDULE OF RATES

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Activity Specifications
Clear open drains (DOD)

Activity:

Code:

ACTIVITY SPECIFICATION

CLEAR OPEN DRAINS

DOD

Not applicable.

PERFORMANCE REQUIREMENTS

Asset	Intervention Level	Response Time
All Roads	Drain cross sectional area reduced by >30% or drainage diverted out of drain path.	28 days
	Drain fully blocked or flow width or depth is a public nuisance or road safety hazard.	24 hrs
Carparks	Drain cross sectional area reduced by >30% or drainage diverted out of drain path.	28 days
	Drain fully blocked or flow width or depth is a public nuisance or road safety hazard.	24 hrs
Parks	Drain cross sectional area reduced by >30% or drainage diverted out of drain path.	28 days
	Drain fully blocked or flow width or depth is a public nuisance or road safety hazard.	24 hrs
Foreshores	Drain cross sectional area reduced by >30% or drainage diverted out of drain path.	14 days
	Drain fully blocked or flow width or depth is a public nuisance or road safety hazard.	24 hrs
Drains in private properties and easements	Drain cross sectional area reduced by >30% or drainage diverted out of drain path.	28 days
	Drain fully blocked or flow width or depth is a public nuisance or road safety hazard.	24 hrs
Ocean outfalls	Outfall cross sectional area reduced by up to 50%.	14 days
	Outfall cross sectional area reduced by up to 75%	2 days
	Siltation has made the ocean outfall inoperative	24 hrs

Activity Specifications
Pit/drainage structure repair (DPR)

ACTIVITY SPECIFICATION	Activity: PIT /DRAINAGE STRUCTURE REPAIR Code: DPR
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A4-18. Pit/drainage structure repair (DPR)

ACTIVITY DEFINITION <i>(What work is included?)</i>
This activity is defined as works required to repair side entry pits, damaged end walls, head walls, pits, and replace surrounds, grates, lids or lintels. Scheduled inspections and reports are undertaken by the Cleansing Contractor.

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
Damaged pit, pit cover, lintels, pit frame, interrupted drainage flow, hazard to vehicles, cyclists or pedestrian traffic.

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
To maintain uninterrupted drainage flow with optimum performance of pit without hazard to the public.

ACTIVITY STANDARDS <i>(What is required?)</i>
Repairs maintain flow characteristics of pit and drainage. Repairs maintain safety for the public.

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum - Repairs SOR - Pit/Structure Replacements

WORK UNIT
No.

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> 1. Where required, landowners to be notified. 2. Repairs to pits and structures to be done in accordance to the Specification for Road and Drainage Works and the Standard Drawings. 3. All debris to be removed from vicinity of work and disposed of in an approved manner.

METHOD OF PAYMENT	Included in MSC (LS) Schedule of Rates (SOR) Dayworks Rates (DW)	MSC for repairs SOR for replacements
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Activity Specifications
Pit/drainage structure repair (DPR)

ACTIVITY SPECIFICATION	<div>Activity: PIT /DRAINAGE STRUCTURE REPAIR</div> <div>Code: DPR</div>
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WORK UNIT	<div>Culvert – Lin m.</div> <div>Pit Repair – Number.</div>
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UNITS OF MEASURE IF SCHEDULE OF RATES
Each replaced structure

PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
All	Inspection reveals repair is required or when drainage structure becomes non-functional.*	14 days
All	Drainage structures are damaged to the extent that there is a hazard to the public.	24 hrs
All	Inspection reveals pit lid repair required.	4 hours
All	If hazard to the public the area shall be barricaded off and public access prevented immediately.	24 hrs
All	Inspection reveals lintel repair required.*	7 days
All	If hazard to the public the area shall be barricaded off and public access prevented immediately.	24 hrs
All	Inspection reveals pit surrounds repair required.*	2 days
All	If hazard to the public the area shall be barricaded off and public access prevented immediately.	24 hrs

* Where the inspection in question has been undertaken by the Cleansing Contractor, the Response Time commences upon notification to the Contractor.

Activity Specifications
Retarding basin maintenance (NRB)

ACTIVITY SPECIFICATION	Activity: RETARDING BASIN MAINTENANCE	Code: NRB
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A4-19. Retarding basin maintenance (NRB)

ACTIVITY DEFINITION <i>(What work is included?)</i>
This activity covers the routine inspections and maintenance of all retarding basins including silt traps.

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
Inlets, outlets and silt traps blocked with weed growth and/or litter.

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
To ensure that retarding basins are fully operational at all times.

ACTIVITY STANDARDS <i>(What is required?)</i>
The capacity of the retarding basins shall be maintained to ensure that they operate in accordance with the basin design and that no overflows occur that cause a nuisance or damage to adjoining properties.

CONTRACT FORMAT <i>(Is it a Lump Sum, or Dayworks Rate Item?)</i>	WORK UNIT
Lump Sum	Not applicable

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> 1. Inspect retarding basins and associated structures on a 3 monthly cycle and prepare a program for cyclic maintenance and report to the Service Management Team within 6 months of commencing the Contract and at 6 monthly intervals thereafter. 2. Attend at each retarding basin in accordance with the approved inspection schedule and record any action required. 3. Clear inlets and outlets of weed growth, litter, debris and any other foreign matter. 4. Inspect and clean any silt traps 5. Undertake mechanical removal of silt from 2 nominated silt traps within retarding basins each year and dispose of silt to an approved site. 6. Periods of heavy rain can increase the frequency of inspections and clearing required and the Contractor must respond appropriately.

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Included in MSC
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Activity Specifications
Retarding basin maintenance (NRB)

ACTIVITY SPECIFICATION	<div>Activity: RETARDING BASIN MAINTENANCE</div> <div>Code: NRB</div>
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WORK UNIT	Not applicable
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PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
All retarding basins	Capacity of inlets and outlets reduced to 30% design capacity	14 days
All retarding basins	Capacity reduced below 30% and flooding of adjoining properties could result	24 hours
All silt traps	Capacity of trap reduced to 30% design capacity.	14 days
All silt traps	Capacity of trap reduced to 0 and non functional.	24 hours

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Activity Specifications
Stormwater/drainage pumps (NDP)

ACTIVITY SPECIFICATION	<div>Activity: STORMWATER/DRAINAGE PUMPS</div> <div>Code: NDP</div>
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A4-20. Stormwater and drainage pumps (NDP)

ACTIVITY DEFINITION <i>(What work is included?)</i>	
This activity covers routine inspections and maintenance of stormwater pumps and drainage pumps.	

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>	
Pumps non operational. Sumps silted up and require cleaning Electrical malfunction	

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>	
Pumps shall be operational and free of silt at all times.	

ACTIVITY STANDARDS <i>(What is required?)</i>	
Pump capacity to design levels to be available at all times Pumps to respond to start ups at all times.	

CONTRACT FORMAT <i>(Is it a Lump Sum, or Dayworks Rate Item?)</i>	WORK UNIT
Lump Sum	Not applicable

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
<ol style="list-style-type: none"> Attend at each pump and conduct inspections and tests on a 3 monthly cycle and report on Condition. Check pits for silting and blockages and remove any debris. Maintain all mechanical parts necessary to keep all pumps operational. Maintain contactors, control gear and switchboard in good working order. Attend at all callouts within the applicable Response Times. Undertake auxiliary pumping when necessary to prevent damage to surrounding Assets. Prepare an emergency management plan for power or mechanical failure. Repairs due to flooding due to power or mechanical failure shall be the responsibility of the Contractor. 	

Activity Specifications
Stormwater/drainage pumps (NDP)

Activity:

Code:

ACTIVITY SPECIFICATION	STORMWATER/DRAINAGE PUMPS	NDP
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WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<p>8. The Sorrento sump pump shall be inspected and tested every Monday and Friday and at the start of any heavy rainfall likely to cause screen blockage or pump failure. The following specific tasks are to be performed on a weekly basis:</p> <ul style="list-style-type: none"> • Clear the inlet channel and traps of debris, and any other foreign matter; • Inspect pump well and clean out if necessary (usually every three months); • Inspect structures and surrounds; • Inspect and clean all pump fittings including filters, valves, pipes etc and check operation; • Inspect the operation of pumps and electrical switchboards; • Immediately make safe and arrange maintenance repairs to any damage, defects or any situation that may render the facility hazardous to users; • Cordon-off and make safe any defective facility; • Inspect the perimeter safety fence; • Rubbish removed from site and disposed of appropriately.

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Included in MSC
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WORK UNIT	Not applicable
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PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
All (other than Sorrento pump)	Repairs or parts required or there is a blocked basket, as evident from a scheduled inspection	7 days
All	Pump failure, callout required	24 hrs
Sorrento Pump	Inspection reveals blocked basket or other repairs or parts required.	2 days
	Pump failure results in inconvenience to the users of Macfarlane Reserve.	24 hrs

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Activity Specifications
Bridge and major culvert maintenance (NBM)

ACTIVITY SPECIFICATION	Activity: BRIDGE & MAJOR CULVERT MAINTENANCE	Code: NBM
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A4-21. Bridge and major culvert maintenance (NBM)

ACTIVITY DEFINITION <i>(What work is included?)</i>
<p>This activity covers the inspection and routine maintenance of concrete, steel and timber bridges and major culverts on roads and pathways (excluding structural maintenance). Works include temporary repairs to make safe, removal of dirt and gravel from kerbs and expansion joints, clear scuppers, grease bearings and moving surfaces, keep the waterway area clear and free of weeds and debris, tighten loose bolts and spikes and maintenance painting.</p> <p>inspections shall cover any item that affects safety including signs, delineation, damage due to accidents, drainage systems, condition of handrails, road approaches, settlement, cracks or signs of water percolating through concrete, erosion or scours at abutments and culverts wingwalls, recording the height of any recent flooding, any obstructions to the waterway area, damaged or worn planks, white ant or borer infestations on timber bridges.</p> <p>Where this Activity requires something to be made "safe", the Contractor is to take such action as is appropriate within the scope of the Contract to safeguard the safety of road users and others and to maintain traffic flow as far as possible. This may include signage, alerting appropriate Authorities, traffic control, temporary road closures, establishing detours and temporary repairs.</p>

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
<p>Blocked drains, loose planks, erosion and scour, gravel build up on decks, blockages or restrictions to the waterway areas, accident damage missing signs and recent flooding.</p> <p>Poor delineation and safety matters.</p>

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
Not Applicable

ACTIVITY STANDARDS <i>(What is required?)</i>
<p>The bridge or culvert must be maintained to ensure that it is:</p> <ul style="list-style-type: none"> • Safe at all times for use by vehicular, including bicycles, and pedestrian traffic • Waterway clear a distance of 10m upstream and downstream of structure to allow structure to function as designed • Maintained in accordance with approved standards and works programs • Safety issues attended to within 24 hours. • Inspections to comply with specified requirements and are undertaken by a suitably qualified and experienced person.

CONTRACT FORMAT <i>(Is it a Lump Sum, or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
Not applicable

Activity Specifications
Bridge and major culvert maintenance (NBM)

ACTIVITY SPECIFICATION	Activity: BRIDGE & MAJOR CULVERT MAINTENANCE	Code: NBM

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
1.	Inspect all bridges and major culverts including timber, steel and concrete structures on a 6 monthly basis. Report on any settlement, cracks or signs of water percolating through the concrete, abutment scour for concrete bridges and damaged handrails, deck planks, missing signs etc.
2.	The Contractor shall submit for the approval of the Service Management Team the level of inspection proposed and the qualifications of the personnel undertaking such inspections.
3.	Report any item, which affects the safety of traffic or of the bridge, and make safe any situation requiring an immediate response.
4.	Undertake temporary repairs to bridges damaged by traffic or flooding and report to Superintendent.
5.	All bridge approaches, including the junction of the deck, to be kept free of holes, depressions or sudden change of grade.
6.	Remove dirt and gravel from kerbs, timber decks and expansion joints, and clear scuppers.
7.	Grease bearings and all other moving parts.
8.	Clear large culverts of all blockages and report any cracking, opening of joints, scour or water passing through the fill outside of the pipe.
9.	Keep the area in the vicinity (10m) of the bridge, including the waterway area, clear of undergrowth, rubbish, flood debris and the like.
10.	Inspect after flooding and check for scours, blocked waterway areas or damage to the structure. Record any flood heights that are visible.
11.	Replace any broken or worn planks and tighten loose bolts on timber bridges.

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Daywork Rates (DW)</i>	Included in MSC
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WORK UNIT	Not applicable
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UNITS OF MEASURE IF SCHEDULE OF RATES
Not applicable

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Activity Specifications
Bridge and major culvert maintenance (NBM)

ACTIVITY SPECIFICATION	Activity: BRIDGE & MAJOR CULVERT MAINTENANCE	Code: NBM
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PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
Timber Bridge	Non programmed repairs	48 hrs
	Unsafe for traffic or pedestrians	24 hrs
Concrete Bridge	Non programmed repairs	48 hrs
	Unsafe for traffic or pedestrians	24 hrs
Steel Bridge	Non programmed repairs	48 hrs
	Unsafe for traffic or pedestrians	24 hrs
Major Culvert	Non programmed repairs	48 hrs
	Unsafe for traffic or pedestrians	24 hrs
All Structures	Structure unsafe for traffic or pedestrians	24 hrs

Activity Specifications
Maintenance of paths (RFK)

ACTIVITY SPECIFICATION	Activity: FOOTPATH REPAIRS	Code: RFK
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A4-22. Maintenance of paths (RFK)

ACTIVITY DEFINITION <i>(What work is included?)</i>	
This activity covers the inspection, maintenance and repair of all concrete and segmental paving footpaths and associated crossings including shared bike paths, boardwalks and equestrian trails located adjacent to the carriageway and within other specified public open space.	

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>	
Damaged and tripping hazards on footpaths and associated crossings.	

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>	
To provide a safe passage for pedestrians on the footpath and associated crossings.	

ACTIVITY STANDARDS <i>(What is required?)</i>	
Paved areas to be uniform, free of irregularities, depressions or mounds greater than $\pm 10\text{mm}$ and shaped to shed water from the footpath.	

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
M ² Footpath

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
<ol style="list-style-type: none"> The Contractor shall prepare programs for the replacement of damaged /irregular sections of footpaths (up to a maximum of 3 contiguous bays at any one location) and for grinding of tripping hazards throughout the Network. The approved program shall be undertaken and completed within the program period. Repairs to concrete footpaths to be undertaken in accordance with the Standard Drawings for concrete footpaths. 	

Activity Specifications
Maintenance of paths (RFK)

Activity:		Code:
ACTIVITY SPECIFICATION	FOOTPATH REPAIRS	RFK

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
<p>3. Repairs to segmental paved footpaths are to be made to match adjacent paving, type, colour, subbase, bedding and laying pattern. Where large areas of segmental paving repair work are required, it is to be undertaken in accordance with the Standard Drawings for segmented pavement footpaths.</p> <p>4. Repairs to asphalt and spray sealed surface footpath are to be made to match adjacent surface texture and size.</p> <p>5. All debris, dust and dirt adjacent to the footpath is to be removed at the completion of works and disposed of responsibly.</p> <p>6. The Contractor must Rectify any disturbed pathway within the applicable Response Time by undertaking temporary repairs. Where temporary repairs are not appropriate, the area shall be made safe and reported immediately to the Service Management Team.</p> <p>7. Footpath lip grinding, where required, shall be undertaken using a footpath grinding machine approved by the Service Management Team.</p> <p>Note: The MSC only allows for the repair (including by replacement) of 3000 m² of pathway repairs (materials include: concrete, asphalt, spray sealed and granitic) based on individual replacement of up to 3 bays (or equivalent) in length for each location and grinding of up to 2750lm per annum. Once this volume of work has been undertaken in any Contract Year, all further identified Defects must be reported to the Superintendent, who may require them to be undertaken as Ordered Work</p>	

METHOD OF PAYMENT	Included in MSC (LS)	Included in MSC (to the extent stated)
	Schedules of Rates (SOR) Dayworks Rates (DW)	

WORK UNIT	Not applicable
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UNITS OF MEASURE IF SCHEDULE OF RATES
Not applicable

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Activity Specifications
Maintenance of paths (RFK)

Activity:

Code:

ACTIVITY SPECIFICATION

FOOTPATH REPAIRS

RFK

PERFORMANCE REQUIREMENTS		Asset - Paths (sealed, concrete and pavers)	
Asset location	Safety & Asset Inspection	Intervention Level	Response Time
Shopping Centres Schools Child Care Centres Kindergartens Hospice & Palliative Care Hospitals Nursing Homes	Monthly	Damaged footpath. Misalignment >10mm – footpaths	7 days
		Defect constitutes a hazard to pedestrians. Misalignment >15mm – footpaths	24 hours
Shared Paths	3 Monthly	Damaged path. 15mm step or misalignment in path.	14 days
		Defect constitutes a hazard to pedestrians. Misalignment >20mm – footpaths	24 hours
Equestrian Trails	3 Monthly	Damaged path. >50mm step or misalignment in path >50mm Scour Depth	30 days
		Defect constitutes a hazard to horses.	24 hours
Residential Areas	6 Monthly	Damaged footpath. 15mm step or misalignment in path.	30 days
		Defect constitutes a hazard to pedestrians. Misalignment >20mm – footpaths	24 hours
Foreshores	Monthly – Day Light Savings 3 Monthly – Other	Damaged path. 15mm step or misalignment in path.	14 days 30 days
		Defect constitutes a hazard to pedestrians. Misalignment >20mm – footpaths	24 hours
Parks	Monthly – high profile 6 Monthly – Others	Damaged path. 15mm step or misalignment in path.	14 days 30 days
		Defect constitutes a hazard to pedestrians. Misalignment >20mm – footpaths	24 hours

Activity Specifications
Maintenance of paths (RFK)

Activity:

Code:

ACTIVITY SPECIFICATION

FOOTPATH REPAIRS

RFK

PERFORMANCE REQUIREMENTS		Asset – Paths (crushed rock)	
Asset location	Safety & Asset Inspection	Intervention Level	Response Time
Shopping Centres Schools Child Care Centres Kindergartens Hospice & Palliative Care Hospitals Nursing Homes	Monthly	Damaged footpath. Misalignment >20mm – footpaths	7 days
		Defect constitutes a hazard to pedestrians. Misalignment >40mm – footpaths	24 hours
Shared Paths	3 Monthly	Damaged path. 30mm step or misalignment in path.	14 days
		Defect constitutes a hazard to pedestrians. Misalignment >60mm – footpaths	24 hours
Equestrian Trails	3 Monthly	Damaged path. >50mm step or misalignment in path >50mm Scour Depth	30 days
		Defect constitutes a hazard to horses	24 hours
Residential Areas	6 Monthly	Damaged footpath. 30mm step or misalignment in path.	30 days
		Defect constitutes a hazard to pedestrians. Misalignment >60mm – footpaths	24 hours
Foreshores	Monthly – Day Light Savings 3 Monthly – Other	Damaged path. 30mm step or misalignment in path.	14 days 30 days
		Defect constitutes a hazard to pedestrians. Misalignment >60mm – footpaths	24 hours
Parks	Monthly – high profile 6 Monthly – Others	Damaged path. 30mm step or misalignment in path.	14 days 30 days
		Defect constitutes a hazard to pedestrians. Misalignment >60mm – footpaths	24 hours

Activity Specifications
Kerb & channel repairs (NKR)

ACTIVITY SPECIFICATION	Activity: KERB AND CHANNEL REPAIRS	Code: NKR
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A4-23. Kerb & channel repairs (NKR)

ACTIVITY DEFINITION <i>(What work is included?)</i>	
This activity covers the inspection and maintenance of all kerb and channel located adjacent to the carriageway and within other specified public open space. The activity includes the repair of any damaged kerb and channelling.	

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>	
Damaged kerb and channel and interrupted longitudinal drainage flow.	

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>	
To ensure that water in channels can flow uninterrupted to the drainage structures.	

ACTIVITY STANDARDS <i>(What is required?)</i>	
Kerb and channel is to be continuous with no loose or broken sections and formed such that longitudinal drainage flow is not impeded by any irregularity $\geq \pm 20\text{mm}$.	

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>	WORK UNIT
Lump Sum (except as stated)	Lineal m kerb & channel

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
<ol style="list-style-type: none"> Repairs to concrete kerb and channel to be undertaken in accordance with the Standard Drawings for concrete kerb and channel. Repairs to asphalt kerb and channel shall be undertaken in accordance with the Specification for Road and Drainage Works as applicable to asphalt kerb and channel repairs. Repairs to bluestone pitcher kerb and channel shall be undertaken in accordance with the Specification for Road and Drainage Works as applicable to bluestone pitcher kerb and channel repairs. Where kerb and channel is repaired by cast-in-place methods, sufficient space should be allowed adjacent to the existing kerb for expansion joints which should not be less than 6mm. Existing kerb and channel shall be saw cut prior to removal. Where kerb and channel repairs are undertaken in an area where the kerb has been previously painted with white/yellow paint for the safety of traffic, the repaired areas are also to be painted to match adjacent sections. All debris, dust and dirt adjacent to kerb and channel is to be removed at the completion of works and disposed of responsibly. 	

Activity Specifications
Kerb & channel repairs (NKR)

ACTIVITY SPECIFICATION	Activity: KERB AND CHANNEL REPAIRS	Code: NKR
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WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>	
7.	Upon identification of a Defect in any kerb and channel, the Contractor shall make the kerb and channel safe for pedestrian use within the Response Time by undertaking temporary repairs. Where temporary repairs are not appropriate, the area shall be made safe and reported immediately to the Superintendent.
8.	Repairs to asphalt and sprayed sealed surfaces disturbed as a result of removal of existing kerb and channel shall be reinstated so as to match the adjacent surface texture and size.
9.	All works under this activity shall be recorded and made available to the Service Management Team on request.
Note:	The MSC only allows for the repair (including by replacement) of 300 lineal metres of kerb and channel and/or kerb per annum based on individual replacement sections of up to 10 metres in length for each. Once this volume of work has been undertaken in any Contract Year, all further identified Defects must be reported to the Superintendent, who may require them to be undertaken as Ordered Work.

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DR)</i>	MSC except where otherwise provided.
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WORK UNIT	lineal m kerb & channel
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UNITS OF MEASURE IF SCHEDULE OF RATES	
Remove and replace kerb and channel	- \$ per lin m

PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
D Roads	Damaged kerb and channel 25mm step or misalignment in kerb and channel.	60 days
	Defect constitutes a hazard to motorists or pedestrians. Misalignment > 50mm – kerb & channel.	24 hours
C Roads	Damaged kerb and channel 25mm step or misalignment in kerb and channel.	60 days
	Defect constitutes a hazard to motorists or pedestrians. Misalignment > 50mm – kerb & channel.	24 hours
B Roads & Carports	Damaged kerb and channel. 25mm step or misalignment in kerb and channel or footpath.	60 days
	Defect constitutes a hazard to motorists or pedestrians. Misalignment > 50mm – kerb & channel.	24 hours

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Activity Specifications
Kerb & channel repairs (NKR)

ACTIVITY SPECIFICATION	Activity: KERB AND CHANNEL REPAIRS	Code: NKR
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PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
A Roads	Damaged kerb and channel. 25mm step or misalignment in kerb and channel.	60 days
	Defect constitutes a hazard to motorists or pedestrians. Misalignment > 50mm – kerb & channel.	24 hours

Note: Kerb and Channel includes all kerbs, open inverts, channel only, edge strips, semi mountable and non mountable kerbs, spike down kerbs, asphalt kerbs and other like facilities.

Activity Specifications
Traffic island maintenance (RTI)

ACTIVITY SPECIFICATION

Activity:

Code:

TRAFFIC ISLAND MAINTENANCE

RTI

A4-24. Traffic island maintenance (RTI)

ACTIVITY DEFINITION *(What work is included?)*

This activity covers the inspection and maintenance of all concrete kerbed islands including all traffic calming devices located on the carriageway and within carparks including those with hard or paved infill areas. The activity includes the repair of any damaged kerbing and the removal of any defects which could constitute a safety hazard to road users and pedestrians. Sweeping of these medians and litter collection is undertaken by the Cleansing Contractor. Weed control and vegetation control on traffic islands and medians is undertaken by the Parks and Roadsides Contractor.

PERFORMANCE DISTRESS & DEFECTS *(What do we look for?)*

Damaged kerbing or median noses, interrupted longitudinal drainage flow, tripping hazards in hard paved areas.

PERFORMANCE CRITERIA *(Why do we do it?)*

To provide a safe refuge for pedestrians crossing the road.

To ensure that the traffic islands continue to regulate and guide traffic movements without constituting a safety hazard to road users.

ACTIVITY STANDARDS *(What is required?)*

Infill or paved area to be compact and free of depressions or mounds.
Kerbing is to be continuous with no loose or broken sections and formed such that longitudinal drainage flow is not impeded.

CONTRACT FORMAT

(Is it a Lump Sum, SOR or Dayworks Rate Item?)

Lump Sum

WORK UNIT

m²

WORK METHOD REQUIREMENTS *(Contractor's undertaking to provide quality)*

1. Repairs to concrete kerbing to be undertaken in accordance with the Shire's Current standard drawings for concrete kerbing.
2. Where kerb and channel is repaired by cast-in-place methods, sufficient space should be allowed adjacent to the existing kerb for expansion joints which should not be less than 6mm. Existing kerb and channel shall be saw cut prior to removal.
3. Median infill to be compacted to ensure a hard surface.
4. Where kerbing repairs are undertaken in an area which has been previously painted with white paint for the safety of traffic, the repaired areas are also to be painted to match adjacent sections.

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Activity Specifications
Traffic island maintenance (RTI)

Activity:

Code:

ACTIVITY SPECIFICATION

TRAFFIC ISLAND MAINTENANCE

RTI

WORK METHOD REQUIREMENTS *(Contractor's undertaking to provide quality)*

5. All debris, dust and dirt adjacent to the kerbs and on untravelled areas are to be removed at the completion of works and disposed of responsibly.
6. Traffic island infills shall be replaced with matching surface median eg. Concrete to concrete, segmental paving to segmental paving unless other hard standing material is approved by the Service Management Team.

METHOD OF PAYMENT

*Included in MSC (LS)
Schedules of Rates (SOR)
Dayworks Rates (DR)*

Included in MSC

WORK UNITm²**UNITS OF MEASURE IF SCHEDULE OF RATES**

Not applicable

PERFORMANCE REQUIREMENTS

Asset	Intervention Level	Response Time
D Road	Damaged traffic island kerbing or infill.	60 days
	50mm step or misalignment in island kerbing or paving.	
	Defect constitutes a hazard to motorists or pedestrians.	24 hours
C Roads	Damaged traffic island kerbing or infill.	60 days
	50mm step or misalignment in island kerbing or paving.	
	Defect constitutes a hazard to motorists or pedestrians	24 hours
B Roads & Carparks	Damaged traffic island kerbing or infill.	60 days
	50mm step or misalignment in island kerbing or paving.	
	Defect constitutes a hazard to motorists or pedestrians.	24 hours
A Roads	Damaged traffic island kerbing or infill.	60 days
	50mm step or misalignment in island kerbing or paving.	
	Defect constitutes a hazard to motorists or pedestrians.	24 hours

Activity Specifications
Boat ramp maintenance (BRM)

ACTIVITY SPECIFICATION	Activity: BOAT RAMP MAINTENANCE	Code: BRM
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A4-25. Boat ramp maintenance (BRM)

ACTIVITY DEFINITION <i>(What work is included?)</i> This activity covers the inspection, cleaning, maintenance and defect reporting of recreational boat ramps, jetties and associated seawalls located in bays. Bituminous surfacing repair of approaches is to be undertaken as part of the Annual Reseal Program (or other applicable provisions of the Contract) Signage is the responsibility of the Furniture and Signs Contractor.				
PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i> Slippery or broken concrete ramp pavement, silt build-up or erosion of adjacent bank material. The ramp access pavement deteriorating creating a hazard for ramp users. Damaged kerb stops and lane dividing kerbs.				
PERFORMANCE CRITERIA <i>(Why do we do it?)</i> Boat ramps must be maintained to provide for the safe launching and retrieval of watercraft to and from their towing vehicle and the marine environment. The safety of pedestrians must also be ensured.				
ACTIVITY STANDARDS <i>(What is required?)</i> Boat ramps are to have algal growth removed to the low water mark, concrete repaired and silt buildup removed or adjacent bank erosion filled with sand. Ramp access is to be maintained in a serviceable and safe condition. Trailer stops to be firm and durable.				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"> CONTRACT FORMAT <i>(Is it a Lump Sum, or Dayworks Rate Item?)</i> </td> <td style="padding: 5px;"> REPORTING UNIT </td> </tr> <tr> <td style="padding: 5px; text-align: center;">Lump Sum</td> <td style="padding: 5px; text-align: center;">Worker hour/ramp</td> </tr> </table>	CONTRACT FORMAT <i>(Is it a Lump Sum, or Dayworks Rate Item?)</i>	REPORTING UNIT	Lump Sum	Worker hour/ramp
CONTRACT FORMAT <i>(Is it a Lump Sum, or Dayworks Rate Item?)</i>	REPORTING UNIT			
Lump Sum	Worker hour/ramp			

Activity Specifications
Boat ramp maintenance (BRM)

Activity:

Code:

ACTIVITY SPECIFICATION

BOAT RAMP MAINTENANCE

BRM

WORK METHOD REQUIREMENTS *(Contractor's undertaking to provide quality)*

1. Remove algal growth from the ramp pavement, to restore the non-slip surface, using approved treatment.
2. Carry out minor repairs (up to 2m²) to spalling of concrete pavement using concrete of minimum strength 25MPa incorporating "marine" cement (AS 3972).
3. Remove silt/sand build-up from ramp, or add sand to eroded areas adjacent to the ramp as appropriate.
4. Removed silt/sand or dredged material shall be deposited at a location approved by the Service Management Team.
5. The emptying and cleaning of fish cleaning facilities attached to boat ramps and jetties shall be undertaken by the Cleansing Contractor.
6. The Contractor shall undertake regular inspections to ensure that ramps and jetties remain operational at all times.
7. Boat ramps shall be dredged on an annual basis.

NOMINATED HOLD POINTS

Hold Point (SMT) at commencement of Contract to allow for acceptance of method for algae removal prior to use.

METHOD OF PAYMENT

*Included in MSC (LS)
Schedules of Rates (SOR)
Dayworks Rates (DW)*

Included in MSC

WORK UNIT

Worker hour/ramp

PERFORMANCE REQUIREMENTS

Asset	Intervention Level	Response Time
All ramps (Summer)	Maintenance attention is required	10 days
	Boat ramp defect constituting safety hazard to park and recreation area users.	24 hours
All ramps (Winter)	Maintenance attention is required	30 days
	Boat ramp defect constituting safety hazard to park and recreation area users.	24 hours

Activity Specifications
Graffiti Removal (CGR)

ACTIVITY SPECIFICATION	Activity: GRAFFITI REMOVAL	Code: CGR
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A4-26. Graffiti removal (CGR)

ACTIVITY DEFINITION <i>(What work is included?)</i> This activity includes the identification and removal of any graffiti on any Asset that is visible to the public.

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i> The unwanted defacement of a surface by drawing, writing, scoring or placement of posters.

PERFORMANCE CRITERIA <i>(Why do we do it?)</i> This activity ensures that no user of the Assets is offended or distracted by graffiti. The aesthetics of the public space environment is maintained.
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ACTIVITY STANDARDS <i>(What is required?)</i> Graffiti is removed effectively and safely in a prompt manner in response to complaints and inspections.
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CONTRACT FORMAT <i>(Is it a Lump Sum or Dayworks Rate Item?)</i> Lump Sum	REPORTING UNIT m ²
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WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i> <ol style="list-style-type: none"> Undertake the identification of graffiti on the Assets that is visible/and or offensive to the public in conjunction with performance of the Services generally. Note the substrate composition and texture, and the material composition of the graffiti wherever this is identifiable by inspection. Prepare a generic work plan outlining for typical types of graffiti, the proposed method of removal from different surfaces, the chemicals to be utilised, and the disposal method for waste. Service Management Team's approval to the work plan is required at commencement of the Contract and whenever the plan is updated. Do not use high pressure cleaning techniques for the removal of graffiti from porous surfaces or those which may be damaged by frequent use of this method. Porous surfaces include rendered concrete, brick or rough textured precast panels. The Shire shall advise of methods of removal for these surfaces on a site specific basis. Where hazardous wastes cannot be confined to a 20 litre drum for responsible disposal, the
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Activity Specifications
Graffiti Removal (CGR)

ACTIVITY SPECIFICATION	Activity: GRAFFITI REMOVAL	Code: CGR
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WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i> Environment Protection Authority shall be contacted regarding the issue of licences. 6. Avoid any activity that results in hazardous conditions for the public adjacent to the worksite. 7. Dispose of waste material resulting from the removal process in accordance with clause A3-32.8 (Waste management).
--

NOMINATED HOLD POINTS Hold Point (SMT) Submission of standard work plan for removal of typical graffiti types and typical surfaces.

METHOD OF PAYMENT	Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)	Included in MSC
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WORK UNIT	m ²
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PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
All	Graffiti visible to public.	5 days
	Offensive graffiti.	24 hours

A4-27. Call Out Service (MEC)

ACTIVITY DEFINITION <i>(What work is included?)</i>
<p>This activity covers the provision of an effective call out service which is readily contactable 24 hrs a day, year round and which the public or others may call for assistance. The Contractor is required to make a record, or diary of calls and details and to liaise and direct urgent action, by way of inspection and appraisal. Includes initial response to ensure the safety of the public and protection of the Asset, including emergency incidents; eg flood, fires, storms, and traffic accidents that affect the safety of the public and protection of the Asset.</p> <p>This activity relates to the initial response only and does not cover any work beyond that required in the first 24 hours after initial response. Any further work will be approved by the Superintendent to be carried out on a Schedule of Rates or Dayworks basis.</p> <p>The Contractor shall provide a report of action/incidents at least monthly.</p> <p>Where Accident Damage requires repair, costs may be recoverable, information should be gathered and passed to Victoria Police for investigation.</p> <p>Where Pavement Damage requires repair, refer to Activity PER.</p>

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>	Not Applicable
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PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
<p>The Contractor shall provide for the immediate public safety of all road users, whether motorists, pedestrians or cyclists and so act to minimise costs associated with accidents or damage to the Asset and minimise disruption to traffic, pedestrians and other users.</p>

ACTIVITY STANDARDS <i>(What is required?)</i>
<p>The Contractor shall provide designated staff to act as duty officer/controller and others nominated as 'on call' on a 24 hour basis.</p> <p>'On call' personnel shall mobilise to investigate reported events within one hour of notification.</p> <p>Call Out equipment as listed below shall be available.</p> <p>All call out staff shall have had appropriate training in such procedures and traffic control as are specified under the work method requirements below..</p> <p>The Contractor must provide a monthly report to the Shire of incidents responded to and action taken as part of the Call-Out Service and must keep appropriate records.</p>

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

WORK UNIT
Number

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> 1. A Duty Controller shall record all emergency calls in a log. 2. Provide communication equipment appropriate to the service (eg pager, mobile phones).

3. Provide alternative back up to 'on call staff'.
4. Provide vehicle with approved badging and hazard warning lights.
5. Provide 'on call' staff with suitable identification.
6. Provide Initial Response in accordance with the provisions below

Objectives

The Contractor's Initial Response must be directed at the following objectives:

- (1) **Immediate public safety:** provision for the immediate public safety of all asset users, whether motorists, pedestrians or cyclists;
- (2) **Minimise loss:** minimisation of costs associated with accidents or damage to the Asset; and
- (3) **Minimise disruption:** minimisation of disruption to traffic and pedestrians.

Specific requirements

In carrying out Initial Response, the Contractor must comply with the following specific requirements:

- (1) **Signage:** Take immediate action by way of sign posting and traffic control to make the site as safe as feasible for traffic and pedestrians
- (2) **Notify & co-ordinate response by others:** Co-ordinate notification and advice to ensure appropriate repair activities. This includes notifying relevant Authorities and Other SIMS Contractors, as appropriate, where the required repair or other activity falls within the scope of their responsibility
- (3) **Damage to heritage & sensitive Assets:** Notify the SMT if damage has affected environmentally sensitive or heritage Assets
- (4) **Specialist or additional equipment required:** Where additional or specialist equipment is required, notify the Superintendent (or representative).
- (5) **Co-operation with Emergency Authorities:** Co-operate with Emergency Authorities and their personnel
- (6) **Notify responsible persons:** Where the fault is not an item for which the Contractor is responsible under the Contract, notify the responsible person and in the meantime provide such reasonably available measures as are appropriate to protect persons and property.

Traffic obstructions

If an Asset is obstructed by broken down vehicles or any other cause, the Contractor must take the following steps to safeguard traffic:

- (1) **Provide traffic control:** provide signs, traffic controllers and other items necessary for appropriate traffic control to safeguard members of the public;
- (2) **Contact responsible person:** if the person responsible for the obstruction can be located, instruct them to remove the obstruction immediately;
- (3) **Inform Superintendent (serious cases):** in cases of serious obstruction or obstructions which may remain overnight, inform the Superintendent who may direct action to be taken by the Contractor or arrange for Victoria Police or other parties to attend:

If an obstruction is likely to remain overnight and the person responsible for it does not provide lighting for it, the Contractor must provide adequate signing and lighting to protect the public. The Contractor must advise the Service Management Team of the cost, together with the name and

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address of the person responsible for the obstruction (or, if these are not known, with sufficient information to enable the Victoria Police or the Shire to investigate and discover the responsible person).

Management of spills

Where an Emergency involves a fuel or chemical spill, the Contractor must:

- (1) **Notify fire service:** notify the relevant fire fighting Authority;
- (2) **Record spill:** record the spill including its extent and the measures used to contain the spill (NOTE: Contractor personnel must not attempt to contain any chemical spills unless they have specific training);
- (3) **Prevent spillage (as directed):** take action as directed by the Victoria Police or the Environmental Protection Authority to prevent spillage from entering watercourses; and
- (4) **Safeguard personnel:** identify the materials spilled by the HAZCHEM symbols and ensure that all personnel are suitably protected from any ill-effects.

Programming of Rectification work

Where traffic can be accommodated safely by use of signs, lane closures and/or detours, Rectification work required (including Emergency Pavement Repairs) must be programmed for execution during normal working hours.

7. The "Call Out" Response Staff shall respond with an "Initial Emergency Response Unit" containing:
 - signage,
 - temporary pedestrian barrier webbing
 - small chainsaw
 - initial spill response materials
 - other equipment as necessary to make the site safe, or manage the site until specialised equipment is available
8. Provide an adequate and maintained store of goods and equipment capable of providing a safe environment while other specialised resource travel to and respond to the issue.
9. Maintain a comprehensive list of after hours contact numbers for public utilities, SIMS Contractors and the Shire to assist with the response that may require additional resources / action outside the scope of this activity

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SPECIAL REQUIREMENTS		
The Contractor is the first line of response for all of the SIMS Contracts and is required to respond in the first instance for call outs. Should additional or specialist equipment be required the Contractor is required to take such action to make the situation safe and then report to the Superintendent for further direction.		
Code:		
METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Included in MSC
WORK UNIT	Number	
UNITS OF MEASURE IF SCHEDULE OF RATES		
Not Applicable		
PERFORMANCE REQUIREMENTS		
Asset	Intervention Level	Response Time
All	When any call is received which reports public safety in jeopardy.	Inspect within 1hr or as soon as practical

Schedule A4-1
Scope of Unsealed Roads Grading Program

Schedule A4-1 –Scope of Unsealed Roads Grading Program

Schedule A4-1 is the document identified as the "Grading Program roads summary" contained on the CD-Rom in Annexure 9 (Asset and Network Descriptions).

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Schedule A4-2
Scope of Unsealed Shoulder Grading Program

Schedule A4-2 –Scope of Unsealed Shoulder Grading Program

SHOULDER MAINTENANCE PLANNER

Gravel Shoulder Maintenance Schedule																			
ID	Ev	Road Name	Asset Type	Suburb	To & From	Length	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	Times per year
1		2 Bungower	Road	Mornington	End K&C - Sealed Shoulder	792				1				1				1	3
1		2 Racecourse	Road	Mornington	MTyabb - Bungower	3422				1					1			1	3
1		4 Roberts	Road	Mornington	Bungower - K&C	508				1									1
1		2 Strachans	Road	Mornington	Nepean - Fulton	706				1				1					2
1		4 Williams	Road	Mornington	Esplanade - End Seal	350				1				1					1
1		3 Baden Powell	Drive	Mount Eliza	Nepean Hwy - Erang Dr	1253								1					1
1		1 Wooralla	Drive	Mount Eliza	Moorooduc - Maughan	2648		1						1					6
1		2 Canadian Bay	Road	Mount Eliza	Winona - Banool	210				1				1				1	3
1		4 Cobb	Road	Mount Eliza	Nepean Hwy - end seal	562								1					1
1		4 Oakbank	Road	Mount Eliza	Straughton - end Seal	1626								1					1
1		1 Two Bays	Road	Mount Eliza	Moorooduc - Quarry Res Bay	298		1						1					6
1		2 Mount Eliza	Way	Mount Eliza	Wendy Av - Robbough Av	720				1				1				1	3
1		1 Grants	Road	Baxter / Somerville	Simcock - Lower S'ville rd	4731			1					1				1	6
1		1 Erarnosa East	Road	Somerville	WPort Hwy - K&C	6344			1					1				1	8
1		1 Erarnosa West	Road	Moorooduc / Somerville	Moorooduc Hwy - Coolart Rd	9244			1					1				1	6
1		4 Bungower	Road	Somerville	Coolart - Jones	6815								1					1
1		2 Lower Somerville	Road	Somerville	Grants - Erarnosa rd	6670				1				1				1	3
1		2 Jones	Road	Tyabb / Somerville	MTyabb Rd - S'ville Res	7465				1				1				1	3
1		1 Tyabb-Tooradin	Road	Tyabb / Somerville	W Port Hwy - South Bay Rd	8478			1					1				1	6
1		1 O'neils	Road	Tyabb	WPort Hwy - F/Fin Rd	4155			1					1				1	6
1		1 Deni	Road	Moorooduc	MTyabb - Erarnosa Rd West	6917			1					1				1	6
1		2 Denham	Road	Hastings	W Port Hwy - Mc Kirdies	5792				1				1					3
																			Legend
																			2 Monthly
																			4 Monthly
																			12 Monthly

Legend
2 Monthly
4 Monthly
12 Monthly

Personal Information

Contract No: 1218

Author: Shire

Council: MPSC

Rev: Execution version

Contractor: Emoleum

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Schedule A4-2
Scope of Unsealed Shoulder Grading Program

SHOULDER MAINTENANCE PLANNER

Gravel Shoulder Maintenance Schedule

IZ	EV	B	Road Name	Asset Type	Suburb	To & From	Length	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	Times per year
1	2	McKillops	Road	Hastings		Ti Teoridin - Denham	4137			1					1				1	3
2	2	Boas	Road	Tyabb		MTyabb Rd - Graydens	4110			1					1				1	3
1	G	2 Wellington	Road	Tyabb		Jones - End Seal	594												1	1
2	2	Loders	Road	Moorooc		Dend Rd - Graydens Rd	5151			1					1				1	3
2	2	Miles	Road	Moorooc		Moorooc Hwy - End seal	276								1					1
2	2	Stumpy Gully	Road	Moorooc		Graydens - Hodgins Rd	3396			1					1				1	6
2	2	Stumpy Gully	Road	Moorooc		MTyabb - End Seal	936								1					1
2	2	Graydens	Road	Hastings / Moorooc		F/Flinders - Lodges Rd	12150			1						1			1	6
2	2	Hodgins	Road	Hastings / Hastings West		SGully rd - Rail Line	9582			1						1			1	6
2	2	Duffook	Avenue	Hastings		Cemetery - End seal	172			1										1
2	2	Long Island	Drive	Hastings		Bayview - ESSO	1340			1					1				1	3
2	2	Maring	Parade	Hastings		F/Flin - K&C	2535			1					1				1	3
2	2	Field	Parade	Hastings		K&C - F/Flin	265			1					1				1	3
2	G	3 High	Street	Hastings		Hendersons - F/Flinders	550			1					1				1	3
2	2	Bayview	Road	Hastings		S/Soulder - Long Island	4242			1					1				1	3
2	2	Morton	Crescent	Blairn		S/Saach Rd - Vale	1100						1							1
2	2	Bulecourt	Road	Blairn		Surface th - End	404						1							1
2	2	Woodleys	Road	Blairn		Esplanade - F/Flinders	6190			1					1				1	3
2	2	Vale	Street	Blairn		Morton - Tralagar	488						1							1
2	2	Many	Street	Blairn		Dangy - Tralagar	1279						1							1
2	2	Disney	Street	Blairn / Crib Point		Tran track - F/Flin	7469			1					1				1	5
2	2	Governors	Road	Crib Point		Stony Pl Rd - Esplanade	2450			1					1				1	3
2	2	Point	Road	Crib Point		K&C - Esplanade	904			1					1				1	3
2	2	Esplanade	The	Crib Point		Point Rd - Woodleys Rd	3777			1					1				1	3
2	2	South Beach	Road	Blairn / Somers		Sandy Pl - Woodleys rd	10291			1					1				1	5
2	2	Camp Hill	Road	Somers		Sandy Point - K&C	2070			1					1				1	3
																				Legend
																				2 Monthly
																				4 Monthly

Contractor No: 1218
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Schedule A4-2
Scope of Unsealed Shoulder Grading Program

SHOULDER MAINTENANCE PLANNER

Gravel Shoulder Maintenance Schedule

Z	Ev	Rd	Rd Name	Asset Type	Suburb	To & From	Length	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	Times per year
2		2	Coolest Extension	Road	Somers	FFind - Sandy Point	3428		1			1					1			3
2		2	Lord Somers	Road	Somers	Parklands - Sandy Point	3204		1			1					1			3
2		2	Tasman	Road	Somers	Camp Hill - Reid	281		1			1					1			3
2		2	Sandy Point	Road	Bahaming / Somers	Bel Beach - Camp Hill Rd	7506		1			1					1			6
2		3	Bahaming Beach	Road	Bahaming Beach	FShore rd - Beach St	236													1
2		3	Uluary	Road	Bahaming Beach	FShore rd - FShore St	566													1
2		3	Sunny Gully	Road	Bahaming	FFinders - Halley	1876													1
2		3	Warawara	Road	Bahaming	FFinders - Seascope	1052													1
2		2	Stanleys	Road	Bahaming / Red Hill	FFinders - Red Hill Rd	13556		1			1					1			3
2		2	Merricks	Road	Merricks / Merricks North	FFinders - B Dromana rd	8168		1			1					1			3
2		2	Tubbarubba	Road	Merricks North	Bahaming Rd - B Dromana rd	9722		1			1					1			3
2		2	Point Leo	Road	Point Leo	FFinders - Gale	3100		1			1					1			3
2		2	Beach	Road	Shoreham	FFind - End Seal	620					1								1
2		2	Byrnes	Road	Shoreham	FFind - K&C	1312		1			1								3
2		2	Shoreham	Road	Red Hill / Shoreham	Red Hill Rd - FFinders rd	10078		1			1					1			3
2		2	Point Leo	Road	Red Hill South	Station - FFinders	10000					1								1
2		2	Arthur's Seat	Road	Red Hill (Red Hill Rd-White Hill Rd)	White Hill Rd - Red Hill Rd	3500		1			1								3
2		2	McIlroys	Road	Red Hill	White Hill rd - end seal	200					1								1
3		2	Browns	Road	Main Ridge	Purves rd - Jetty rd	5820		1			1								3
3		1	Main Creek	Road	Main Ridge	Shanks rd - Arthur's Seat rd	7932		1			1					1			6
3		2	Shands	Road	Main Ridge	M Finders - Roberts	1564		1			1					1			3
3		2	Purves	Road	Dromana / Main Ridge	Arthur's Seat - Browns	11177		1			1					1			3
3		2	Seaview	Road	Rosebud	K&C - Howe Rd	1532		1			1					1			3
3		2	Jetty	Road	Rosebud	Seal Shoulder - Browns	3100		1			1					1			3
4		2	Broadway	Way	Rosebud West	Trueman - Elizabeth	2520		1			1					1			3
4		1	Browns	Road	Boneo / Rye	Dundas - Trueman	7400		1			1					1			6

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Schedule A4-2
Scope of Unsealed Shoulder Grading Program

SHOULDER MAINTENANCE PLANNER

Gravel Shoulder Maintenance Schedule

W	Ev	Road Name	Asset Type	Suburb	To & From	Length	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	Times per year
4	1	Browns	Road	Boneo / Rye	Seal Shoulder - grasslands	4900													6
4	2	Limestone	Road	Boneo / Rye	Truemans - Boneo	3295													3
4	2	Cape Schanck	Road	Cape Schanck	Boneo - Earl Nat Park	7774													3
4	1	Truemans	Road	Toolingbrook / Rye	PI Nepean - Nat Parks	17000													6
4	2	Sandy	Road	Rye	Dundas - Dwyerport	3534													3
4	2	Collingwood	Street	Rye	Napier - Lyons	162													3
4	1	Dundas	Street	Rye	K&C - Sandy Rd	9050													6
4	1	Melbourne	Road	RYE	Dundas - Canterbury Jct	5289													6
4	2	Canterbury Jct	Road	Blairgowrie	PI Nepean - Melb Rd	3185													3
4	2	Hughes	Road	Blairgowrie	PI Nepean - Nat Parks	1949													3
4	2	St Johns Wood	Road	Blairgowrie	PI Nepean - Melb Rd	1921													3
4	4	Coppin	Road	Sorrento	Melbourn - Kerford	401													3
4	2	Holham	Road	Sorrento	Police Station - PI Nepean rd	100													1
4	4	St Pauls	Road	Sorrento	Webbiers - Melb Rd	305													3
3	1	Boundary	Road	Dromana	Lombardy - White Hill Rd	4603													1
3	4	Collins	Road	Dromana	Boundary - Culvert	950													6
3	2	Mooreoduc	Road	Mooreoduc / Dromana	Balnarring Rd - WFinders Rd	8957													1
3	4	Fairview	Avenue	Mount Martha	Glenigle - Somerset	142													3
3	4	Osborne	Drive	Mount Martha	Eaminst - Inja	1742													1
3	4	Craigie	Road	Osborne	Dunns - Mooreoduc Hwy	3379													1
3	4	Dominion	Road	Mount Martha	Bay Rd - Somerset	703													1
3	2	Bruce	Road	Mount Martha	Nepean Hwy - K&C	5939													3
3	4	Hearn	Road	Mount Martha	Forest Dve - K&C	1427													1
3	2	Forest	Dve	Mount Martha	Hopeloun Av - Hearn Rd	3850													3

Legend	
2 Monthly	
4 Monthly	
12 Monthly	

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Council: 1218
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Schedule A4-3
Scope of Annual Dust Suppression Program

Schedule A4-3 – Scope of Annual Dust Suppression Program

ROAD NAME	SUBURB	MELWAYS	FROM	TO	LENGTH (Metres)	REATEDLE NGTH (Meters)
Bungower Road	Somerville	147 J3	Coolart Road	Stumpy Gully Road	1560	1560
Bungower Road	Moordooduc	147 E2	Stumpy Gully Road	400M West of Stumpy Gully Road	400	400
Speedwell Street	Somerville	107 F10	Grant Street	Industrial Drive	300	300
Lower Somerville Road	Somerville	148 K3	Eramosa Road East	Bungower Road	1560	1560
Stumpy Gully Road	Mooreoduc	106 G10	Eramosa Road West	500M South of Eramosa Road West	1575	500
Stumpy Gully Road	Mooreoduc	147 F3	Mornington Tyabb Road	Bungower Road	2545	2545
Stumpy Gully Road	Mooreoduc	153 D2	960M South of Mornington-Tyabb	Graydens Road	2200	2200
Stumpy Gully Road	Hastings West	153 D11	Hodgins Road	Seaview Avenue	1800	1600
Stumpy Gully Road	Hastings West	163 D2	Seaview Avenue	Hunts Road	1060	1060
Stumpy Gully Road	Brittern West	163 D5	Hunts Road	Myers Road	1560	1560
Stumpy Gully Road	Balnarring	163 D1	End Seal to 600m North	towards Bittern Dromana Road	1669	600
Hunts Road	Hastings	165 J3	Hendersons Road	400M West of Hendersons Road	1825	400
Henderson Road	Hastings	164 C7	Myers Road	Sealed Section	800	800
Kanowna Street	Hastings	154 H5	Frankston-Flinders Road	300M South of Frank-Flinders Rd	300	300
Kanowna Street	Hastings	154 H6	300M South of Frank- Flinders Rd	Haddock Street	120	120
Haddock Street	Hastings	154 H6	Frankston-Flinders Road	Kanowna Street	270	270
Clarendon Street	Dromana	159 D8	Foot Street	Park Grove	590	590
Ponderosa Place	Dromana	160 C5	Caravan Park Entrance	Watson Avenue	190	190
Eastborne Road	Rosebud	170 A3	Jetty Road	Hayes Avenue	180	180
Glenvue Road	Rye	168 D9	Dundas Street	580M West of Dundas Street	580	580
Hopetoun Avenue	Mt Martha	151 C5	Nepean Hwy	Dominion Road	1871	1871
Watson Road	Mt Martha	145 A12	Sealed Section	Latrobe Street	170	170
Latrobe Street	Mt Martha	145 A12	Watson Road	Sealed Section	160	160
Mirang Avenue	Mt Martha	144 J11	Watson Road	Carpark Entrance	160	160
Roberts Road South	Mornington	145 C3	Mornington-Tyabb Road	Sealing Court Bowl	1020	1020
Station Road	Redhill	191 C6	Mechanics Road	Thomas Road	340	340
Thomas Road	Redhill	191 C5	Station Road	Redhill Road	70	70
Mechanics Road	Redhill	191 B5	Station Road	Sealed Section	190	190
Barker Street	Flinders	261 JB	Wood Street	Stokes Street	400	400

Annexure 5

Performance Standards

Safer Local Roads
Contract No.1218



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Annexure 5 - Performance Standards

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**Performance Standard 1
Accelerated Works Program**

A5-1. Performance Standard 1 - Accelerated Works Program

A5-1.1 Context

This Performance Standard defines the level of service required of the Contractor in relation to Accelerated Works Projects and the Accelerated Works Program.

The intent of the Accelerated Works Program is to upgrade the road sections identified in the Accelerated Works Program to the agreed scope and standards set out in the Contract within the Accelerated Works Period. Once upgraded, the Assets improved by the Accelerated Works Projects must be maintained in accordance with the Contract.

A5-1.2 Standard

The following Performance Standard applies to each Accelerated Works Project:

- .1 Design compliant with clause A3-25.6 (Design standards) (subject to clause A3-1.2.5).
- .2 Construction compliant with the Accelerated Works Program, the Contract and the Approved AW Design.
- .3 The progress of each and all Accelerated Works Projects is consistent with the Accelerated Works Program.
- .4 Compliance with obligations arising during the Defects Liability Period.

A5-1.3 Measurement

The Contractor's achievement of this Performance Standard will be measured at each Annual Review during the Accelerated Works Period and thereafter until the Completion of all Accelerated Works Projects and the expiry of all Defects Liability Periods associated with Accelerated Works Projects. The Contractor's performance of this Performance Standard may also be measured at any time during that period in accordance with clause 68 (Application of Service Points).

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Performance Standard 2
Routine Maintenance Services

A5-2. Performance Standard 2 - Routine Maintenance Services

A5-2.1 Context

This Performance Standard defines the level of service required of the Contractor in the performance of the Routine Maintenance Services.

A5-2.2 Standard

The Performance Standard for Routine Maintenance Services is:

- .1 Defects are Rectified within their applicable Response Times and in accordance with the Activity Specifications.
- .2 Compliance with clause A4-3 (Routine Maintenance Services)

A5-2.3 Measurement

The Contractor's achievement of this Performance Standard will be measured at each Annual Review and may be measured at any other time in accordance with clause 68 (Application of Service Points).

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Performance Standard 3 Safety

A5-3. Performance Standard 3 - Safety

A5-3.1 Context

This Performance Standard defines the level of service required of the Contractor in the performance of the Services as regards safety.

A5-3.2 Standard

The Performance Standard for safety in the performance of Services is:

- .1 All Services are carried out in accordance with all applicable OH & S Laws and codes of practice.
- .2 Attention to the identification and management of safety risks and hazards before and during the performance of the Services and upon the occurrence of any incident or near miss.
- .3 Compliance with clause A3-27 (Safety).
- .4 Compliance with clause A3-28 (Traffic management).
- .5 Compliance with clause 32 (Protecting people).
- .6 No action is taken under the Contract with respect to a Safety Breach.

A5-3.3 Measurement

The Contractor's achievement of this Performance Standard will be measured at each Annual Review and may be measured at any other time in accordance with clause 68 (Application of Service Points).

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Performance Standard 4 Contract management

A5-4. Performance Standard 4 - Contract management

A5-4.1 Context

This Performance Standard defines the level of service required of the Contractor in the performance of the Services as regards the management of the Contract.

A5-4.2 Standard

The Performance Standard for contract management is:

- .1 Compliance with clause A3-11 (Integrated Management Plan).
- .2 Compliance with the Integrated Management Plan.
- .3 Compliance with clause A3-12 (Management of the Contract).
- .4 Issues arising in the management of the Contract are identified early and promptly referred to the Service Management Team.
- .5 Compliance with the Contractor's obligations under clause 9 (Service Management Team).

A5-4.3 Measurement

The Contractor's achievement of this Performance Standard will be measured at each Annual Review and may be measured at any other time in accordance with clause 68 (Application of Service Points)..

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Performance Standard 5
Interface with Shire and customers

A5-5. Performance Standard 5 - Interface with Shire & customers

A5-5.1 Context

The Performance Standard defines the level of service required of the Contractor in the performance of the Services as regards its interface with the Shire and customers.

A5-5.2 Standard

The Performance Standard for interface with the Shire and customers is:

- .1 Compliance with the service standards set out in the following table:

Activity	Performance Standard
Telephone Customers	<p>90% of calls are answered within 20 seconds and 100% are answered within 120 seconds.</p> <p>The number of calls made by the caller held longer than 10 seconds does not exceed 3%.</p> <p>Calls are answered by the Contractor's staff in person between the hours of 7.00 am until 6.00 pm Monday to Friday (excluding public holidays).</p>
Correspondence	<p>Correspondence (including any Merit System service request) is acknowledged by card or letter or email (as appropriate) within 5 Business Days of receipt by the Shire (or, if the Shire delays more than 1 Business Day before passing it to the Contractor, within 5 Business Days of receipt by the Contractor).</p> <p>Advice of action is provided to customer within 10 further Business Days (by letter or phone). Notes of actions / advice to be recorded on service request within 2 Business Days.</p> <p>If the case is to take more than 10 Business Days to close the customer is advised of likely timeframe for a response.</p>
Walk Ins	<p>Walk-ins are treated promptly and efficiently at the Contractor's depot and follow up action occurs using the same procedures and timelines as for correspondence set out above. All contacts are entered into the Merit System.</p>
On-site meetings	<p>Where necessary or upon specific request from a customer, the Contractor takes reasonable steps to meet with the customer on-site within 5 Business Days of lodgement of a complaint or request with the Shire (or, if the Shire delays more than 1 Business Day before passing it to the Contractor, within 5 Business Days of receipt by the Contractor).</p>

- .2 Compliance with clause A3-18 (Customer service and community liaison)

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Performance Standard 5

Interface with Shire and customers

A5-5.3 Measurement

The Contractor's achievement of this Performance Standard will be measured at each Annual Review and may be measured at any other time in accordance with clause 68 (Application of Service Points).

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Performance Standard 6 Inspections

A5-6. Performance Standard 6 - Inspections

A5-6.1 Context

This Performance Standard defines the level of service required of the Contractor in the performance of the Services as regards inspections and associated obligations such as the identification and recording of Defects, the identification and recording of Assets and the implementation of responses to Defects.

A5-6.2 Standard

The Performance Standard for inspections and associated obligations is:

- .1 Compliance with the inspection frequencies required under the Road Management Plan.
- .2 Compliance with clause A3-13 (Inspections).
- .3 Compliance with clause A3-14 (Initiation of work).
- .4 Compliance with clause A3-15 (Records of action taken).
- .5 Compliance with clause A3-16 (Provision of AMIS and other data).
- .6 Compliance with clause A3-17 (Asset Inventory).
- .7 Compliance with clause A3-38 (Asset and data management requirements)
- .8 Compliance with the program development obligations set out in Annexure 4 (Activity Specifications).
- .9 Identification of Defects in an effective and timely manner consistent with the Contract and programming and implementation of required Rectification so as to ensure compliance with Response Times.

A5-6.3 Measurement

The Contractor's achievement of this Performance Standard will be measured at each Annual Review and may be measured at any other time in accordance with clause 68 (Application of Service Points).

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Performance Standard 7 Sustainability

A5-7. Performance Standard 7 - Sustainability

A5-7.1 Context

This Performance Standard defines the level of service required of the Contractor in the performance of the Services as regards sustainability.

A5-7.2 Standard

The Performance Standard for sustainability is:

- .1 By the end of the Accelerated Works Period, the following sustainability targets have been achieved and are maintained for the balance of the Contract Term:
 - Greater than 80% of all pavement materials removed during the Annual Reseal Program are recycled or re-used within the Network provided that this is consistent with achieving the Required PCI, having regard to the technology and methods reasonably available at that time
 - Reduction of greenhouse gases generated in the performance of the Services by 10% per annum due to work method chosen
 - Recorded Environmental incidents caused by the Contractor in the performance of the Services or as a consequence of its failure to perform the Services as and when required are less than two (2) per annum.
- .2 The Contractor's Agents include local residents and businesses.
- .3 An approved program for a trainee to be employed by the Contractor in any one or more disciplines associated with this Contract has been implemented and is continuing.
- .4 Compliance with clause A3-29 (Protection of Environment and heritage).
- .5 Compliance with clause A3-30 (Sustainability).

A5-7.3 Measurement

The Contractor's achievement of this Performance Standard will be measured at each Annual Review and may be measured at any other time in accordance with clause 68 (Application of Service Points).

Performance Standard 8
Emergency response

A5-8. Performance Standard 8 - Emergency Management

A5-8.1 Context

This Performance Standard defines the level of service required of the Contractor in the performance of the Services as regards Emergency Management.

A5-8.2 Standard

The Performance Standard for Emergency Management is:

- .1 Compliance with clause A3-20 (Emergency Management);
and
- .2 Compliance with clause A3-21 (MERO Services).

A5-8.3 Measurement

The Contractor's achievement of this Performance Standard will be measured at each Annual Review and may be measured at any other time in accordance with clause 68 (Application of Service Points).

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I Performance Standard 9 Pavement Condition

A5-9. Performance Standard 9 - Pavement Condition

A5-9.1 Context

This Performance Standard defines the level of service required of the Contractor in the performance of the Core Services as regards PCI Assessable Pavements in each PCI Road Category.

A5-9.2 Standard

The Performance Standard for PCI Assessable Pavements is:

- .1 All surveys and data reporting for calculation of Measured PCI are undertaken by the dates specified in the Contract.
- .2 The Required PCI for each PCI Road Category is maintained throughout the Contract Term.

The Required PCI for each PCI Road Category is as set out in the table below:

Road Asset	Total Length (km)	Total Area (m ²)	Required PCI*
CATEGORY A (Length Weighted)	203	1,479,150	82
CATEGORY B (Length Weighted)	141	1,028,041	77
CATEGORY C1 (Length Weighted)	248	1,593,882	74
CATEGORY C2 (Length Weighted)	651	3,757,955	89
CATEGORY D (Area Weighted)	24	212,166	89

* As calculated in accordance with Annexure 6A (Condition Monitoring) as at Contract Year 0 (1/7/2005 – 30/6/2006).

A5-9.3 Measurement

The Contractor's achievement of this Performance Standard will be measured each Pavement Performance Review Year at the Annual Review.

To determine the Contractor's performance against the Required PCI in each Pavement Performance Review Year ("PPR Year N"), the process for each PCI Road Category is to compare the Measured PCI against the Required PCI.

A5-9.4 Review of Performance Standard

The parties acknowledge and agree that:

- .1 the Shire's requirements for assessment and measurement of the performance of the PCI Assessable Pavements, and the Contractor's ability to achieve the Required PCI for each PCI Road Category, may be affected over time by various factors including:
 - (a) Asset Inventory Changes;

Performance Standard 9 Pavement Condition

- (b) changes in Shire boundaries;
 - (c) changes in the anticipated level and volume of capital expenditure by the Shire whether by way of Shire Works or otherwise;
 - (d) work undertaken or not undertaken by others on the Assets;
 - (d) changes in policy and road funding priorities (including changes in Road Hierarchy); and
 - (e) the performance of works in progress at the time the data for measurement is required to be collected;
- .2 in order to accommodate changes of the kind referred to in clause A5-9.4.1, the parties wish to further develop the Required PCI so that it is able to be adjusted each Pavement Performance Review Year to take account of change;
 - .3 the process for calculation of the adjustable Required PCI will be determined by the Service Management Team based on the joint recommendation of the parties' Asset Management Specialists and a deed of variation will be entered into to give effect to the change;
 - .4 the parties will use their best endeavours to ensure that the process and deed of variation referred to in .3 above are implemented prior to 1 July 2008; and
 - .5 until such time as the process and deed of variation referred to in .3 above are implemented, the Required PCI as established at the Commencement Date will continue to apply and to be binding on the parties, on and subject to the terms of the Contract.

A5-9.5 Outline of adjustable Required PCI

Unless otherwise agreed by the Service Management Team based on the joint recommendation of the parties' respective Asset Management Specialists, the provisions of the deed of variation for adjustable Required PCI referred to in clause A5-9.4 (Review of Performance Standard) will include:

- .1 deletion of Annexure 6A (Condition Monitoring: Fixed PCI) and Annexure 6B (Condition Monitoring: Adjustable PCI Working Draft) and replacement with a new Annexure 6 (Condition Monitoring) incorporating PCI adjustment provisions (and associated provisions) developed from Annexure 6A and Annexure 6B (Condition Monitoring: Adjustable PCI Working Draft);
- .2 deletion of this clause and clause A5-9.4;
- .3 replacement of all references to Annexure 6A with references to Annexure 6;

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I Performance Standard 9 Pavement Condition

- .4 deletion of all references to Annexure 6B;
- .5 new or amended definitions in Annexure 1 (Definitions) as needed to support the revised Annexure 6 (Condition Monitoring) which may include the following (with clause and schedule references amended as appropriate):

Agreed Rates of Deterioration means the rates set out in schedule A6-18 (Agreed Rates of Deterioration), as those rates may be adjusted from time to time by the Service Management Team based on a joint recommendation by the parties' respective Asset Management Specialists.

PCI Assessable Pavements means the traffic lanes of a Road Asset that is sealed with a surfacing other than concrete or segmented paving.

Required PCI means, for each PCI Road Category:

- (a) in the first PPR Year, the PCI specified in Performance Standard 9 (Pavement Condition) for that PCI Road Category; and
- (b) in any subsequent PPR Year (PPR Year N), the Required PCI for that PCI Road Category and that PPR Year determined, as applicable, in accordance with clause A6-7.1 (Determining Required PCI for A, B and C1) or clause A6-8.1 (Determining Required PCI for C2 and D) during PPR Year N-1.

Road Schedule has the meaning given in clause A6.4 (Road Schedule); and

- .6 an amendment to this Performance Standard to reflect the fact that the Required PCI will be adjusted each Pavement Performance Year after the variation is effected.

A5-9.6 Status quo

Until the effective date of the deed of variation referred to in this clause:

- .1 Annexure 6A (Condition Monitoring: Fixed PCI) is binding on the parties and Annexure 6B (Condition Monitoring: Adjustable PCI working draft) has no contractual effect (other than as a guideline for the development of the replacement Annexure 6 (Condition Monitoring)); and
- .2 References to Annexure 6 (Condition Monitoring) are references to Annexure 6A (Condition Monitoring: Fixed PCI).

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Performance Standard 10 Ordered Work

A5-10. Performance Standard 10 - Ordered Work

A5-10.1 Context

This Performance Standard defines the level of service required of the Contractor in the performance of Ordered Work.

A5-10.2 Standard

The Performance Standard for performance of Ordered Work is satisfactory Completion of that Ordered Work in accordance with the requirements of the Work Order Documents.

A5-10.3 Measurement

The Contractor's achievement of this Performance Standard will be measured at each Annual Review and may be measured at any other time in accordance with clause 68 (Application of Service Points).

Annexure 6A

Condition monitoring: Fixed PCI

Safer Local Roads
Contract No. 1218



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Annexure 6A – Condition monitoring:

Fixed PCI

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Annexure 6A –Condition monitoring

Fixed PCI

A6-1. Introduction

This Annexure sets out the Contractor's obligations in relation to the monitoring and measurement of the Condition of the PCI Assessable Pavements.

During each Pavement Performance Review Year, the Contractor must assess the Condition of the PCI Assessable Pavements and determine whether they have achieved the Required PCI.:

This Annexure sets out how this is to be done and the methodology to be applied.

A6-2. PCI Road Categories & coverage

A6-2.1 Special PCI Road Categories, based on the Road Hierarchy from the Road Management Plan (listed in Schedule A6-1 (Road Hierarchy) have been adopted for the purposes of the Contract to distinguish between those Roads on which automated testing can be undertaken and those whose Condition can only be assessed visually.

The PCI Road Categories are indicated in Schedule A6-2 (PCI Road Categories).

A6-2.2 "Sealed" roads indicate roads predominantly sealed using bituminous surfacing products (including spray (chip) seal, slurry seal and microsurfacing and asphalt). Roads predominantly surfaced by non-bituminous products i.e. concrete, segmental paving etc. are not included in PCI performance review assessments and are not subject to this Annexure.

A6-3. Condition Assessments

A6-3.1 In each Pavement Performance Review Year, the Contractor must engage an accredited and Shire approved subcontractor(s) ("Condition Assessor") to undertake Condition assessments (both automated and visual) of the PCI Assessable Pavements in accordance with the requirements as specified in this Annexure.

A6-3.2 The Contractor must use the same Condition Assessor for each Pavement Performance Review, unless the Service Management Team approves the use of an alternative (such approval not to be unreasonably withheld).

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- A6-3.3 All data provided to the Contractor by the Condition Assessor must be provided to the Shire within 7 days of being received by the Contractor.
- A6-3.4 Schedule A6-4 (Conditions to be assessed for PCI) indicates the pavement conditions required to be assessed for the purposes of this Annexure.

A6-4. Road Schedule

- A6-4.1 For the purposes of undertaking its assessment, the Condition Assessor must be given the Road Schedule for each PCI Road Category showing the roads for which data is to be collected and details of the prescribed and counter directions, where appropriate.
- A6-4.2 The Road Schedules for each PCI Road Category are schedules A6-20 (Road Schedule for PCI Categories A, B and C1) and schedule A6-21 (Road Schedule for PCI Road Categories C2 and D).

A6-5. Automated Pavement Condition Assessment

A6-5.1 Use of automated pavement condition assessment

The Contractor must use automated pavement condition testing on PCI Assessable Pavements falling within the PCI Road Categories A, B and C1.

A6-5.2 Condition Assessment

In undertaking automated assessments, the Condition Assessor must assess the following Conditions in accordance with the PCI Automated Data Collection and Reporting Specification:

Roughness - a condition parameter that characterises deviations from the intended longitudinal profile of a road surface, with characteristic dimensions that affect vehicle dynamics (and hence road user costs), ride quality and dynamic pavement loading. A measure of surface irregularities with wavelengths between 0.5m and 50m in the longitudinal profile of one or two wheel tracks in a traffic lane, reported in dimensionless units as either International Roughness Index (IRI, m/km) or as NAASRA Roughness Meter counts (NRM, counts/km) for the lane.

Rutting - a condition parameter to characterise the transverse profile of a pavement. Longitudinal deformation in a wheelpath, with a length/width ratio greater than 4:1. May occur in one or both wheelpaths of a lane.

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Texture Depth - an indication of the volume through which water may escape from the interface between a tyre and the road surface.

A6-5.3 Specification for Automated Data Collection

The Contractor must develop a detailed specification for automated pavement condition data collection (PCI Automated Data Collection and Reporting Specification) and must ensure that the Condition Assessor is contractually bound to comply with it.

As a minimum, the PCI Automated Data Collection and Reporting Specification must include the following requirements:

- (a) Collection of Condition Data (Automated) by automated means for the selection of roads as provided in a 'Road Schedule'.
- (b) Assessment methods and Conditions to be assessed, consistent with schedule A6-4 (Conditions to be assessed for PCI).
- (c) Use of the ARRB TR Test Method, utilising a multi laser profilometer (MLP). (Minimum 13 laser units and two accelerometers). The profilometer must conform as a "Class 1 Profile Measuring Device".
- (d) The survey is to be conducted as described below:
 - (1) The Condition Assessor must survey the selected roads in both the prescribed and counter directions for Category A and B roads and in the prescribed direction only for Category C1 roads. (The prescribed direction is to be identified on the Road Schedule).
 - (2) Where more than two lanes exist, only the left or slow lane will be surveyed.
 - (3) The Condition Assessor will ensure that the driver of the data collection vehicle is able to accurately locate start and end chainages and is able to accurately report the data in 100 metre intervals and in lengths less than 100 metres at the end of runs.
- (e) For PCI Road Categories A and B, the survey data will be quality assured, checked for accuracy and reported in accordance with the timeframes specified in schedule A6-6 (Condition Data Collection and Reporting Dates) and the formats specified in schedules A6-7 (Roughness Reporting Format PCI Road Categories A and B), A6-8 (Rutting Reporting

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Format PCI Road Categories A and B) and A6-9 (Surface Texture Reporting Format PCI Road Categories A and B). Copies of the data must be supplied to both the Contractor and the Shire.

- (f) For PCI Road Category C1, the survey data will be quality assured, checked for accuracy and reported in accordance with the timeframes specified in Schedules A6-6 (Condition Data Collection and Reporting Dates) and the formats specified in schedules A6-10 (Roughness Reporting Format PCI Road Category C1), A6-11 (Rutting Reporting Format PCI Road Category C1) and A6-12 (Surface Texture Reporting Format PCI Road Category C1). Copies of the data must be supplied to both the Contractor and the Shire.
- (g) Extraneous items such as speed humps, roundabouts, slow points, railway tracks are to be denoted with a comment and removed from final data calculations.
- (h) The Condition Assessor must provide the following information as a minimum:
 - (1) a statement of methodology that includes:
 - Equipment used
 - Survey method, including in-process checks
 - Method of analysing roughness, rutting and texture
 - Filtering algorithms used
 - Any other processing or reporting features
 - (2) an indicative works program to indicate the expected time frames for survey and reporting requirements that includes:
 - Proposed weekly survey program of roads
 - Hold points
 - Data processing time frames
 - Data acceptance period.
- (i) All works are to be carried out in accordance with all relevant OH & S arrangements. As testing is undertaken as a 'mobile' site, the Condition Assessor must comply with the appropriate Australian Standards for the collection of Multi-Laser

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Profilometer data. Testing vehicles will be fitted with appropriate warning signs and lighting.

A6-6. Visual Pavement Condition Assessment Requirements

A6-6.1 Use of Visual Pavement Condition Data

The Contractor must collect the Condition Data (Visual) by visual assessment in accordance with this clause A6-6 on all PCI Road Categories to the extent set out in Schedule A6-4 (Conditions to be assessed for PCI).

A6-6.2 PCI Condition definitions

Conditions to be assessed visually in accordance with the PCI Visual Data Collection and Reporting Specification are as follows:

Crocodile Cracking - interconnected or interlaced cracks forming a series of small polygons resembling a crocodile hide. Usually associated with wheelpaths and may have a noticeable longitudinal grain. Cell sizes are generally less than 150mm across but may extend up to 300mm.

Flushing - immersion, partially or completely, of the aggregate into the bituminous binder causing low texture depth and inadequate tyre-to-stone contact.

Stripping - removal of the coarse aggregate of a seal leaving the binder exposed to tyre contact. It can happen as the loss of individual stones, or as the complete loss of stone in a localised area.

Pavement Defects – localised rutting, shoving, depressions and failures, as defined below:

Localised rutting – as defined for Condition Data (Automated), but confined to a localised area.

Localised shoving - bulging of the road surface generally parallel to the direction of traffic and/or horizontal displacement of surfacing materials, mainly in the direction of traffic where braking or acceleration movements occur. Transverse shoving may arise with turning movements.

Localised depressions - localised areas within a pavement with elevations lower than the surrounding area. May not be confined to wheelpaths and could extend across several wheelpaths.

Localised failures – localised loss of shape and geometry of the road structure; localised loss of structural integrity of the pavement or subgrade deformation or localised breakdown of

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one or more of the pavement components, of such magnitude as to make the pavement incapable of sustaining the loads imposed on its surface but only to the extent requiring dig-outs and patching and not to the extent requiring pavement rehabilitation unless the need for pavement rehabilitation is due to a default by the Contractor in the performance of the Services.

A6-6.3 Specification for Visual Data Collection

The Contractor must develop a detailed specification for the collection of Condition Data (Visual) (PCI Visual Data Collection and Reporting Specification) and must ensure that the Condition Assessor is contractually bound to comply with it.

As a minimum, the PCI Visual Data Collection and Reporting Specification must include the following requirements:

- (1) Collection of Condition Data (Visual) by visual means as indicated in clause A6-6.4 (Condition Data (Visual)) for the selection of roads as provided in a Road Schedule.
- (2) All data shall be collected by foot in 25m sub-segments in urban areas and by foot or vehicle (travelling at speeds no faster than 20kph) in 100m sub-segments in rural areas.
- (3) All data is to be reported in electronic format and collected in 25m and 100m intervals, referenced to pre-defined Mornington Peninsula Shire road segment identifiers as provided in the Road Schedule. Each data set for each 25m/100m sub-segment is to be reported in both database records and the locations identified spatially (GPS coordinate) as specified in the defined reporting formats (refer schedule A6-13 (Reporting Format for Condition Data (Visual))).
- (4) Data collected must in all cases represent the condition taking into account the entire seal width of the pavement.
- (5) The survey data must adhere to documented quality control and both field and office auditing processes, and be quality assured and reported in accordance with the defined reporting formats.
- (6) All quality control and field and data audit processes must be documented and reported to the Contractor at handover of data.

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- (7) All visual assessments must be undertaken during daylight hours, and must not be undertaken whilst the road pavement is wet.
- (8) Visual assessment data is to be supplied to both the Contractor and the Shire in either Microsoft Excel Spreadsheet or Microsoft Access Database files in adherence with the timeframes specified in schedule A6-6 (Condition Data Collection and Reporting Dates) and the formats specified in schedule A6-13 (Reporting Format for Condition Data (Visual)).
- (9) Spatially referenced visual assessment data points at each 25m/100m (or part thereof at end of defined road segments) must be forwarded to the Contractor and the Shire in MapInfo table or alternative shape file formats in accordance with GDA94 projection.
- (10) A generic clause addressing adherence to necessary safety plans/processes referencing all appropriate standards.

A6-6.4 Collection and reporting of Condition Data (Visual)

The following Condition Data (Visual) must be collected and reported in accordance with the following requirements:

Crocodile Cracking must be identified in accordance with the *'Austroads Guide to the Visual Assessment of Pavement Condition 1987'* and reported as an extent (estimated number of square metres) of the sub-segment surface affected by each of two categories of severity (<3mm wide & >3mm wide). The area affected and predominant severity must be assessed and recorded each 25m or 100m sub-segment as the area of all cracking (regardless of type) plus a 250mm radial zone of influence, with the crocodile component within that area, estimated and recorded as a decimal ratio. The decimal ratio will later enable the distribution of crocodile vs. lineal cracking from the total area of all cracking recorded.

Pavement defects consist of all distresses associated with pavement structure problems and are typically displayed as areas of distortion (predominantly greater than 25mm) from the surrounding pavement surface level and typically are those listed in schedule A6-5 (Austroads Distress). They must be recorded for each 25m or 100m sub-segment as an extent (estimated number of square metres) of the sub-segment surface affected by the defects.

Stripping is to be collected as a single severity and the extent of area of the segment surface significantly affected is to be reported. It must be identified in accordance with the *'Austroads Guide to the Visual Assessment of Pavement Condition 1987'*. Stripping is normally associated with spray seal surfaces. It must be recorded for each 25m or 100m sub-segment as an extent (estimated number of square metres) of the sub-

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segment surface affected by the defect. (Assessment of this defect can be highly subjective as the severity of surface stone loss changes considerably across the segment and the extent of significant loss will appear quite different in varying ambient lighting conditions) such as overcast, sunny, afternoon or morning lighting.

Flushing (also termed **bleeding**) must be identified in accordance with the 'Austroads Guide to the Visual Assessment of Pavement Condition 1987'. Flushing must be recorded for each 25m or 100m sub-segment as an extent (estimated number of square metres) of the sub-segment surface affected by the flushing. (Assessment of this flushing can be highly subjective as the extremities usually fade in to view without a defined boundary. Interpretation of the boundary location is greatly effected by ambient lighting conditions and therefore highly variable results may be achieved).

A6-7. Calculation methodology for PCI Road Categories A, B & C1

A6-7.1 Application to determine Measured PCI for A, B and C1

The parties acknowledge and agree that:

- (a) the Required PCI for PCI Road Categories A, B and C1 has been calculated by applying the methodology set out in this clause A6-7.
- (b) the Measured PCI for PCI Road Categories A, B and C1 for each PPR Year will be calculated by:
 - (1) firstly, taking the data collected under clauses A6-5 (Automated Pavement Condition Assessment) and A6-6 (Visual Pavement Condition Assessment Requirements) for that PPR Year;
 - (2) secondly, applying the methodology set out in this clause A6-7 to the above data.

A6-7.2 PCI Calculation Methodology Road Categories A, B & C1

The processes, data required and calculation methodologies for PCI Road Categories A, B and C1 are summarised in schedule 6-14 Figure 1 (PCI Calculation Process Flow Chart for Road Categories A, B and C1).

A6-7.3 Data required for PCI calculation

The following data is required in order to calculate the PCI for PCI Road Categories A, B or C1:

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- (a) Condition Data (Automated) - Roughness (NAASRA), Rutting (Rut depth mm) and Texture Depth (SMTD)
 - 100m interval
- (b) Condition Data (Visual) – Crocodile Cracking and Flushing (% Area)
 - 25m interval
- (c) Road sections data – Block ID, PCI Road Category, surface type, trafficable area and surface age
 - 100m interval

A6-7.4 PCI calculation process

The process for calculation of the PCI for PCI Road Categories A, B and C1 is as follows:

- (a) Transformation – Data Transfer
 - (1) Transfer Condition Data (Automated) into the predefined road network's 100m sections
 - the data transfer methodology is based on length weighted average approach
 - (2) Transfer Condition Data (Visual) into the predefined road network's 100m sections
 - the data transfer methodology is based on summation approach
- (b) Condition data calculation for each 100m road section
 - (1) Roughness:

Average Roughness

$$= \frac{\text{NAASRA Left} + \text{NAASRA Right}}{2}$$
 - (2) Rutting:

Maximum Rut Depth

$$= \text{Max Rut Depth (IWP Left, OWP Left, IWP Right, OWP Right)}$$
 - (3) Texture Depth

Minimum Texture Depth

$$= \text{Min Text Depth (IWP Left, OWP Left, IWP Right, OWP Right)}$$
 - (3) Cracking

% Cracked Area

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- (4) Flushing
% Flushed Area
- (c) Condition Index Conversions
The condition index conversions are set out in schedule A6-15 (Condition Index Conversions).
- (d) Apply % contributions (Category A and B) to each of the index
- Condition data = 65%
 - Roughness = 30%
 - Rutting = 15%
 - Texture & Flushing = 30%
 - Cracking = 25%
 - Surface age = 35%
- (e) Apply % contributions (Category C1) to each of the indices
- Condition data = 75%
 - Roughness = 25%
 - Rutting = 15%
 - Texture & Flushing = 30%
 - Cracking = 30%
 - Surface age = 25%
- Surface Age at Contract Year 0 = 2005 minus the year of wearing course application, Surface Age at Contract Year 3 = 2008 minus the year of wearing course application, etc.*
- (f) Sum up all individual weighted PCI to calculate the FINAL PCI for each 100m section.
- (g) Length weighted average of all 100m section FINAL PCIs to calculate the overall PCI for the PCI Road Category.

A6-8. Calculation methodology for PCI Road Categories C2 & D

A6-8.1 Application to determine Measured PCI for C2 and D

The parties acknowledge and agree that:

- (a) the Required PCI for PCI Road Categories C2 and D has been calculated by applying the methodology set out in this clause A6-8;

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- (b) the Measured PCI for PCI Road Categories C2 and D for each PPR Year will be calculated by:
- (1) firstly, taking the data collected under clause A6-6 (Visual Pavement Condition Assessment Requirements) for that PPR Year;
 - (2) secondly, applying the methodology set out in this clause A6-8 to the above data.

A6-8.2 Overview

The processes, data required and calculation methodologies for PCI Road Categories C2 and D are summarised in schedule A6-14 Figure 2 (PCI Calculation Process Flow Chart for Road Categories C2 and D).

A6-8.3 Data required for PCI calculation

The following data is required to calculate the PCI for PCI Road Categories C2 and D:

- (a) Condition Data (Visual) – Pavement Defects, Crocodile Cracking, Stripping and Flushing (% Area)
 - 25m interval
- (b) Road sections data – Block ID, PCI Road Category, surface type, trafficable area and surface age
 - 100m interval

A6-8.4 PCI calculation process

The process for calculation of the PCI for PCI Road Categories C2 and D is follows:

- (a) Transformation – data transfer
 - Transfer Condition Data (Visual) into the predefined road network's 100m sections
 - o The data transfer methodology is based on summation approach
- (b) Condition data calculation for each 100m road section
 - Cracking
% Cracked Area
 - Flushing
% Flushed Area
 - Pavement Defects
% Pavement Defective Area
 - Stripping
% Stripped Area
- (c) Condition Index conversion

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- Cracking
100 - % Cracked Area
 - Flushing
100 - % Flushed Area
 - Pavement Defects
100 - % Pavement Defective Area
 - Stripping
100 - % Stripped Area
 - Surface Age
Refer schedule A6-15, Tables 4 and 5
for Condition Index Conversions for
Surface Age.
- (d) Apply % contributions (Category C2) to each of the index
- Condition data = 75%
 - o Cracking = 25%
 - o Pavement Defects = 25%
 - o Flushing = 25%
 - o Stripping = 25%
 - Surface age = 25%
- (e) Apply % contributions (Category D) to each of the index
- Condition data = 80%
 - o Cracking = 25%
 - o Pavement Defects = 25%
 - o Flushing = 25%
 - o Stripping = 25%
 - Surface age = 20%
- Surface Age at Contract Year 0 = 2005 minus the year of wearing course application, Surface Age at Contract Year 3 = 2008 minus the year of wearing course application, etc. schedule
- (f) Sum up all individual weighted PCI to calculate the FINAL PCI for each of 100m section
- (g) Length weighted average of all 100m section FINAL PCI to calculate the overall PCI for the PCI Road Category.

A6-9. Calculation methodology – Asset Inventory Change All PCI Road Categories

Not used.

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A6-10. Determination of PCI Points

Not used.

A6-11. Condition Assessment Reporting

A6-11.1 Sealed Road Network Condition Assessment Reporting

The Contractor must provide a fully documented Condition assessment report to the Shire indicating achieved pavement performance and updated and forecast performance levels, adhering to the reporting frequencies set out in schedule A6-6 (Condition Data Collection and Reporting Dates) and reporting formats as specified in schedule A6-19. (Reporting Formats for Sealed Road Network Condition Assessment).

Schedule A6-19 (Reporting Formats for Sealed Road Network Condition Assessment) provides general examples of data requirements and formats to be followed when producing network condition reports for the Shire. The data to be provided need not be limited to that listed, and may include other graphs, lists, and projected outcomes based upon varying funding scenarios, or as requested by the Service Management Team.

A6-11.2 Specific PCI Road Category reporting

The Contractor must report in detail to the Shire in relation to any Measured PCI for a PCI Road Category calculated from updated condition data in a Pavement Performance Review Year that indicates a reduction in value from the then Required PCI.

The report must indicate reasons for the PCI reduction, and must be submitted to the Service Management Team at the same time as the draft Cure Plan under clause 69 (Cure of PCI Default Events).

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Schedule A6-1 Road Hierarchy

Schedule A6-1 - Road Hierarchy

Table 1. Mornington Peninsula Shire Road Hierarchy in Rural Areas

Road Class	Class Type	Service Function Description	Brief Description RURAL AREAS
4A	Rural Arterial	Provides primarily for the main connection from town centres and local areas to the wider State main road network	Two way, two-lane, mainly sealed
4B	Rural Collector	Provides for collecting and distributing traffic and acting as a feeder service to local arterial roads	Two-way, two-lane sealed or unsealed road
4C	Rural Access	Provides predominantly for direct access to properties, recreational areas and industries in urban and rural zones	Two-way, mainly two lane sealed or unsealed road
4D	Rural Limited Access	Provides primarily for limited access and in rural areas using four wheel-drive vehicles	Two-way, unformed single lane track with limited geometry and possible access restrictions imposed

Table 2. Mornington Peninsula Shire Road Hierarchy in Urban Areas

Road Class	Class Type	Service Function Description	Brief Description URBAN AREAS
8A	Urban Arterial	Provides primarily for the main connection from, urban centres and local areas to the wider State main arterial road network	Generally a four lane, or two lane two-way sealed road with parking provisions on both sides.
8B	Urban Collector	Provides for collecting and distributing traffic and acting as a feeder service to local arterial roads	Mainly a two lane, two-way sealed road with commonly parking on one side
8C	Urban Access	Provides predominantly for direct access to properties, recreational areas and industries in urban zones	A two lane, two-way sealed road, or unsealed road
8D	Urban Limited Access	Provides primarily for limited access to rear of properties or within recreational parks	General one lane, two way road at the rear of properties or informal tracks within recreational parks

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Schedule A6-2 PCI Road Categories

Schedule A6-2 - PCI Road Categories

PCI ROAD CATEGORY	DEFINITION
A	Sealed Arterial Roads
B	Sealed Collector Roads
C1	Sealed Local Access Roads able to have Automated Condition Assessment
C2	Sealed Local Access Roads not able to have Automated Condition Assessment
D	Sealed Limited Access Roads and Car Parks

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Schedule A6-3 Pavement Performance Review Years

Schedule A6-3 - Pavement Performance Review Years

CONTRACT YEAR	CONTRACT YEAR 0 (Benchmark)	CONTRACT YEAR 3 (PPR Year 1)	CONTRACT YEAR 6 (PPR Year 2)	CONTRACT YEAR 9 (PPR Year 3)	CONTRACT YEAR 12 (PPR Year 4)	CONTRACT YEAR 14 (PPR Year 5)
ALSO KNOWN AS	YEAR 2005	YEAR 2008	YEAR 2011	YEAR 2014	YEAR 2017	YEAR 2019
DATES	1/7/2005 – 30/6/2006	1/7/2008 – 30/6/2009	1/7/2011 – 30/6/2012	1/7/2014 – 30/6/2015	1/7/2017 – 30/6/2018	1/7/2019 – 30/6/2020

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Schedule A6-4 Conditions to be assessed for PCI

Schedule A6-4 - Conditions to be assessed for PCI

PCI ROAD CATEGORY	DEFINITION	ASSESSMENT METHOD	CONDITIONS TO BE ASSESSED
A	Arterial	Automated Field Survey Condition Data – collected in both directions	Roughness Rutting Texture Depth
		Visual Field Survey Condition Data	Flushing Crocodile Cracking
		Database records	Surface Age
B	Collector	Automated Field Survey Condition Data – collected in both directions	Roughness Rutting Texture Depth
		Visual Field Survey Condition Data	Flushing Crocodile Cracking
		Database records	Surface Age
C1	Access (able to have Automated Assessment)	Automated Field Survey Condition Data – collected in prescribed direction only	Roughness Rutting Texture Depth
		Visual Field Survey Condition Data	Flushing Crocodile Cracking
		Database records	Surface Age
C2	Access (not able to have Automated Assessment)	Visual Field Survey Condition Data	Stripping Flushing Crocodile Cracking Pavement Defects
		Database records	Surface Age
D	Limited Access & Car Parks	Visual Field Survey Condition Data	Stripping Flushing Crocodile Cracking Pavement Defects
		Database records	Surface Age

* Also termed bleeding

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Personal Information

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Schedule A6-5 Conditions Data (Visual)

Schedule A6-5 – Austroads Distress

DEFECT CATEGORY	<u>AUSTROADS DISTRESS</u>
Crocodile Cracking	Crocodile cracking.
Lineal Cracking	Transverse, Diagonal, Longitudinal and Meandering Cracking.
Pavement Defects	Localised rutting, shoving, depressions and failures.
Edge Defects	Edge break, edge drop.
Stripping	Stripping.
Flushing	Flushing, Bleeding.
Ravelling	Ravelling.
Surface Defects	Potholes, delamination, surface disintegration.

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Schedule A6-6 Condition Data Collection and Reporting Dates

Schedule A6-6 - Condition Data Collection & Reporting Dates

Survey Type	Contract Year	Dates of Data Collection	Date of Report to Shire
Automated (PCI Road Categories A, B, C1) and visual (All PCI Road Categories)	Year 3	1/10/2008 – 31/1/2009	No later than 31/5/2009
Automated (PCI Road Categories A, B, C1) and visual (All PCI Road Categories)	Year 6	1/10/2011 – 31/1/2012	No later than 31/5/2012
Automated (PCI Road Categories A, B, C1) and visual (All PCI Road Categories)	Year 9	1/10/2014 – 31/1/2015	No later than 31/5/2015
Automated (PCI Road Categories A, B, C1) and visual (All PCI Road Categories)	Year 12	1/10/2017 – 31/1/2018	No later than 31/5/2018
Automated (PCI Road Categories A, B, C1) and visual (All PCI Road Categories)	Year 14	1/10/2019 – 31/1/2020	No later than 31/5/2020

The above network condition reporting time frames are subject to updated pavement performance review year condition data being supplied within the designated data collection periods as specified in schedule A6-6 (Condition Data Collection and Reporting Dates). Should condition data not be supplied and forwarded to the Contractor within required network condition reporting time frames, an extension of time to supply network condition reports to the Shire may be agreed subject to the approval of the Service Management Team.

Annexure 6A

Schedule A6-7 Roughness Reporting Format (PCI Road Categories A and B)

Schedule A6-7 - Roughness Reporting Format
PCI Road Categories A and B

(Reported at 100m Intervals)

Field Description			Column Name	Units	Example	
Road Name			ROAD_NAME		Elizabeth Street	
Road No			ROAD_NO		122900	
Segment No			START_SEG_NO		1	(if segmentation has been defined)
Chainage - Start			START_CHNG	Km	0.00	
Chainage - End			END_CHNG	Km	0.10	
Carriageway Type			CWAY_CODE		A	(if carriageway has been defined)
Lane Group Code			LANE_GROUP_CODE		U	(Undivided or Divided)
Direction of Travel			TRAVEL_DIRECTION_CODE	CD	PD or (CD)	(Road Schedule to identify prescribed direction)
Roughness	NAASRA Lane	PD	NAS_LANE_PD	NRM	76	
		CD	NAS_LANE_CD	NRM	70	
		Ave	NAS_LANE_AVE	NRM	73	
Roughness	NAASRA Avg	PD	NAS_AVE_PD	NRM	66	
		CD	NAS_AVE_CD	NRM	61	
		Ave	NAS_AVE_AVE	NRM	64	
Roughness	IRI Lane	PD	IRI_LANE_PD	IRI	2.53	
		CD	IRI_LANE_CD	IRI	2.68	
		Ave	IRI_LANE_AVE	IRI	2.61	
Roughness	IRI Avg	PD	IRI_AVE_PD	IRI	2.53	
		CD	IRI_AVE_CD	IRI	2.03	
		Ave	IRI_AVE_AVE	IRI	2.28	
Date - Survey			DATE_COLLECTED		03/01/2005	
Comments			ROU_COMMENT		0.082 - Hump	

Data to be supplied in comma delimited .txt file with the column names on the first line.

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Schedule A6-8 Rutting Reporting Format (PACI Categories A and B)

Schedule A6-8 - Rutting Reporting Format
PCI Road Categories A and B

(Reported at 100m Intervals)

Field Description				Column Name	Units	Example	
Road Name				ROAD_NAME		Elizabeth Street	
Road No				ROAD_NO		122900	
Segment No				START_SEG_NO		1	(if segmentation has been defined)
Chainage - Start				START_CHNG	km	0.00	
Chainage - End				END_CHNG	km	0.10	
Carriageway Type				CWAY_CODE		A	(if carriageway has been defined)
Lane Group Code				LANE_GROUP_CODE	U	U or D	(Undivided or Divided)
Direction of Travel				TRAVEL_DIRECTION CODE	CD	PD or CD	(Road Schedule to identify prescribed direction)
Rutting	OWP	<10mm	PD	OWP_LT_10	%	94	
		10-20mm	PD	OWP_10_TO_20	%	5	
		>20mm	PD	OWP_GT_20	%	1	
		Avg Depth	PD	OWP_PAVE	mm	5	
	IWP	<10mm	PD	IWP_LT_10	%	100	
		10-20mm	PD	IWP_10_TO_20	%	0	
		>20mm	PD	IWP_GT_20	%	0	
		Avg Depth	PD	IWP_PAVE	mm	2	
Rutting	OWP	<10mm	CD	OWP_LT_10	%	94	
		10-20mm	CD	OWP_10_TO_20	%	5	
		>20mm	CD	OWP_GT_20	%	1	
		Avg Depth	CD	OWP_PAVE	mm	5	
	IWP	<10mm	CD	IWP_LT_10	%	100	
		10-20mm	CD	IWP_10_TO_20	%	0	
		>20mm	CD	IWP_GT_20	%	0	
		Avg Depth	CD	IWP_PAVE	mm	2	
Date - Survey				DATE_COLLECTED		03/01/2005	
Comments				RUT_COMMENT		0.325 - Bridge	

Data to be supplied in comma delimited .txt file with the column names on the first line.

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Schedule A6-9 Surface Texture Reporting Format (PCI Road Categories A and B)

**Schedule A6-9 - Surface Texture Reporting Format
PCI Road Categories A and B**

(Reported at 100m Intervals)

Field Description				Column Name	Units	Example	
Road Name				ROAD_NAME		Elizabeth Street	
Road No				ROAD_NO		122900	
Segment No				START_SEG_NO		1	(if segmentation has been defined)
Chainage - Start				START_CHNG	km	0.00	
Chainage - End				END_CHNG	km	0.10	
Carriageway Type				CWAY_CODE		A	(if carriageway has been defined)
Lane Group Code				LANE_GROUP_CODE	U	U or D	(Undivided or Divided)
Direction of Travel				TRAVEL_DIRECTION_CODE	CD	PD or CD	(Road Schedule to identify prescribed direction)
	Flushing	PD	OWP	FLUSH_OWP	%	81	
		PD	IWP	FLUSH_IWP	%	76	
	Sand Circle Diameter	PD	OWP	SCD_OWP	mm	322	
		PD	IWP	SCD_IWP	mm	314	
	Texture Depth	PD	OWP	SMTD_OWP		0.32	
		PD	IWP	SMTD_IWP		0.32	
	Flushing	CD	OWP	FLUSH_OWP	%	81	
		CD	IWP	FLUSH_IWP	%	76	
	Sand Circle Diameter	CD	OWP	SCD_OWP	mm	322	
		CD	IWP	SCD_IWP	mm	314	
	Texture Depth	CD	OWP	SMTD_OWP		0.32	
		CD	IWP	SMTD_IWP		0.32	
Date - Survey				DATE_COLLECTED		03/01/2005	
Comments				TEXT_COMMENT		0.325 - Bridge	

Data to be supplied in comma delimited .txt file with the column names on the first line.

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Schedule A6-9 Roughness Reporting Format (PCI Road Category C1)

Schedule A6-10 - Roughness Reporting Format PCI Road Category C1

(Reported at 100m Intervals)

Field Description			Column Name	Units	Example	
Road Name			ROAD_NAME		Elizabeth Street	
Road No			ROAD_NO		122900	
Segment No			START_SEG_NO		1	(if segmentation has been defined)
Chainage - Start			START_CHNG	km	0.00	
Chainage - End			END_CHNG	km	0.10	
Carriageway Type			CWAY_CODE		A	(if carriageway has been defined)
Lane Group Code			LANE_GROUP_CODE	U	U or D	(Undivided or Divided)
Direction of Travel			TRAVEL_DIRECTION_CODE	PD	PD	(Road Schedule to identify prescribed direction)
Roughness	NAASRA Lane	PD	NAS_LANE_PD	NRM	76	
	NAASRA Avg	PD	NAS_AVE_PD	NRM	66	
	IRI Lane	PD	IRI_LANE_PD	IRI	2.53	
	IRI Avg	PD	IRI_AVE_PD	IRI	2.53	
Date - Survey			DATE_COLLECTED		03/01/2005	
Comments			ROU_COMMENT		0.082 - Hump	

Data to be supplied in comma delimited .txt file with the column names on the first line.

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Schedule A6-12 Surface Texture Reporting Format (PCI Road Category C1)

Schedule A6-11 - Rutting Reporting Format
PCI Road Category C1

(Reported at 100m Intervals)

Field Description				Column Name	Units	Example	
Road Name				ROAD_NAME		Elizabeth Street	
Road No				ROAD_NO		122900	
Segment No				START_SEG_NO		1	(if segmentation has been defined)
Chainage - Start				START_CHNG	km	0.00	
Chainage - End				END_CHNG	km	0.10	
Carriageway Type				CWAY_CODE		A	(if carriageway has been defined)
Lane Group Code				LANE_GROUP_CODE	U	U or D	(Undivided or Divided)
Direction of Travel				TRAVEL_DIRECTION_CODE	PD	PD	(Road Schedule to identify prescribed direction)
Rutting	OWP	<10mm	PD	OWP_LT_10	%	94	
		10-20mm	PD	OWP_10_TO_20	%	5	
		>20mm	PD	OWP_GT_20	%	1	
		Avg Depth	PD	OWP_PAVE	mm	5	
	IWP	<10mm	PD	IWP_LT_10	%	100	
		10-20mm	PD	IWP_10_TO_20	%	0	
		>20mm	PD	IWP_GT_20	%	0	
		Avg Depth	PD	IWP_PAVE	mm	2	
Date - Survey				DATE_COLLECTED		03/01/2005	
Comments				RUT_COMMENT		0.325 - Bridge	

Data to be supplied in comma delimited .txt file with the column names on the first line.

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Schedule A6-12 Surface Texture Reporting Format (PCI Road Category C1)

Schedule A6-12 - Surface Texture Reporting Format PCI Road Category C1

(Reported at 100m Intervals)

Field Description				Column Name	Units	Example	
Road Name				ROAD_NAME		Elizabeth Street	
Road No				ROAD_NO		122900	
Segment No				START_SEG_NO		1	(if segmentation has been defined)
Chainage - Start				START_CHNG	km	0.00	
Chainage - End				END_CHNG	km	0.10	
Carriageway Type				CWAY_CODE		A	(if carriageway has been defined)
Lane Group Code				LANE_GROUP_CODE	U	U or D	(Undivided or Divided)
Direction of Travel				TRAVEL_DIRECTION_CODE	PD	PD	(Road Schedule to identify prescribed direction)
	Flushing	PD	OWP	FLUSH_OWP	%	81	
		PD	IWP	FLUSH_IWP	%	76	
	Sand Circle Diameter	PD	OWP	SCD_OWP	mm	322	
		PD	IWP	SCD_IWP	mm	314	
	Texture Depth	PD	OWP	SMTD_OWP		0.32	
		PD	IWP	SMTD_IWP		0.32	
Date - Survey				DATE_COLLECTED		03/01/2005	
Comments				TEXT_COMMENT		0.325 - Bridge	

Data to be supplied in comma delimited .txt file with the column names on the first line.

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Schedule A6-13 Reporting Format for Condition Data (Visual)

Schedule A6-13 - Reporting Format for Condition Data (Visual)

Reported at 25m/100m Intervals (or part thereof at end of defined road)

GIS ID	Location ID	PMS Segment	Start Chain -age	End Chain -age	Crack Ext	Crack Sev	Croc Ratio	Pave Defect Ext	Surface Defect Ext	Edge Defect Ext	Stripping Ext	Flushing Ext	Ravelling Ext	Comments	Inspect Date	Northing	Easting
1	10000	301429001	0	25	0	0	99	3	0	0	0	0	0		16/08/2005	5758296.25904	324848.53312
2	10001	301429001	25	50	0	0	99	25	10	0	0	0	0		16/08/2005	5758276.49299	324846.43865
3	10002	301429001	50	75	1	1	1	4	12	5	1	0	0		16/08/2005	5758254.51739	324843.86592
4	10003	301429001	75	96	1	1	1	0	6	3	0	0	0		16/08/2005	5758224.85332	324839.75121
5	10004	301178002	200	225	3	2	0.5	6	4	1	1	1	0		25/08/2005	5758128.44271	325209.03447
6	10005	301178002	225	250	1	1	0.6	0	0	0	0	1	0		25/08/2005	5758112.10548	325330.86728

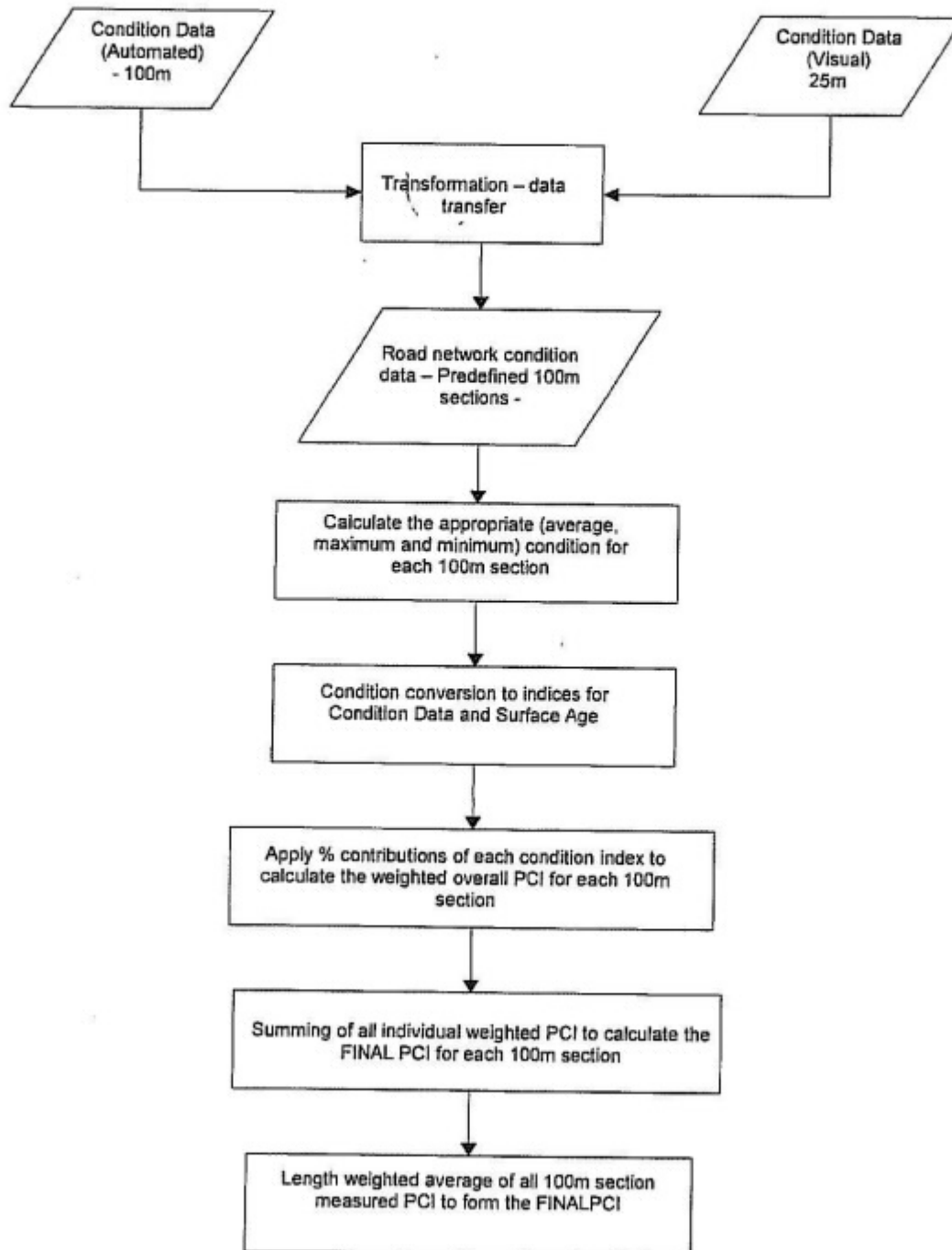
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Schedule A6-14 PCI Calculation Process Flow Charts

Schedule A6-14 - PCI Calculation Process Flow Charts

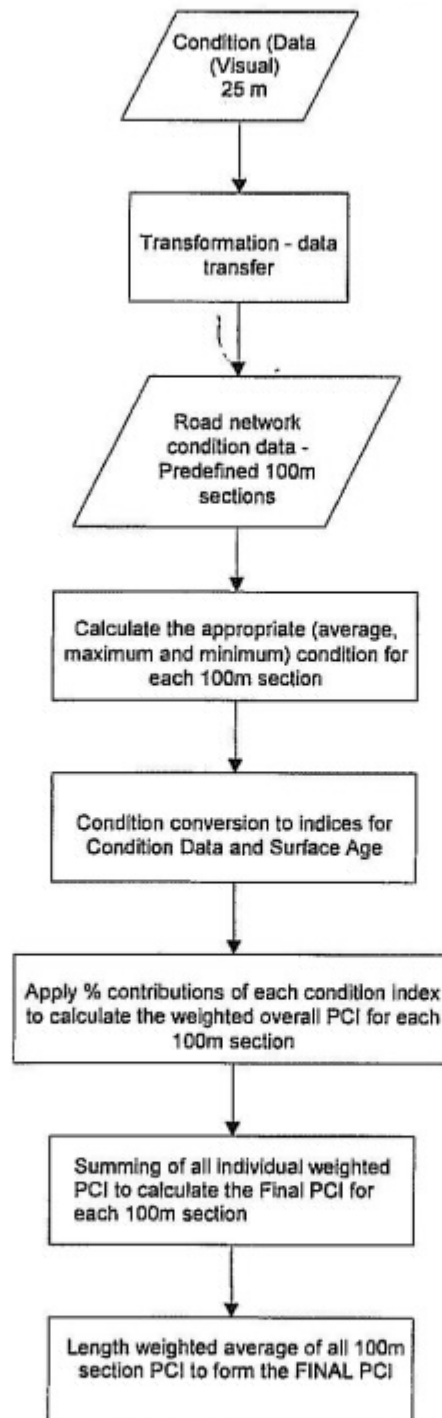
Figure 1. PCI Calculation Process Flow Chart for Road Categories A, B and C1 (clause A6-7)



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Schedule A6-14 PCI Calculation Process Flow Charts

Figure 2. PCI Calculation Process Flow Chart for Road Categories C2 & D
(Clause A6-8)



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Schedule A6-15 Condition Index Conversions

Schedule A6-15 - Condition Index Conversions

Table 1. Condition Index Conversion – Roughness

<i>Average Roughness (x)</i>	<i>Roughness Index (y)</i>
<70	100
>=70 and <90	99 – 75
>=90 and <120	74 – 50
>=120 and <150	49 – 25
>=150 and <200	24 – 1
>=200	0

$$y = -95.65\ln(x) + 506.15$$

$$R^2 = 0.9988$$

Table 2. Condition Index Conversion – Rutting

<i>Maximum Rut Depth</i>	<i>Rutting Index</i>
<10	100
>=10 and <20	99 – 75
>=20 and <30	74 – 50
>=30 and <40	49 – 25
>=40 and <50	24 – 1
>=50	0

$$y = -2.5x + 125$$

$$R^2 = 1$$

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Schedule A6-15 Condition Index Conversions

Table 3. Condition Index Conversion – Surface Texture

<i>Minimum Texture Depth</i>	<i>Surface Texture Index</i>
≥ 1	100
≥ 0.8 and < 1	99 – 50
≥ 0.6 and < 0.8	49 – 1
< 0.6	0

$$y = 250x - 150$$

$$R^2 = 1$$

Cracking

100 - % Cracked Area

Flushing

100 - % Flushed Area

Table 4. Condition Index Conversion – Surface Age– Chip (Spray) Seal or Slurry Seal

<i>Surface Age</i>	<i>Surface Age Index</i>
0 and < 5	100 – 85.7
≥ 5 and < 10	85.7 – 71.4
≥ 10 and < 15	71.4 – 57.1
≥ 15 and < 20	57.1 – 42.9
≥ 20 and < 25	42.9 – 28.6
≥ 25 and < 30	28.6 – 14.3
≥ 30 and < 35	14.3 - 0

$$y = 100 - ((x / 35) * 100)$$

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Schedule A6-15 Condition Index Conversions

Table 5. Condition Index Conversion – Surface Age – Asphaltic Concrete

<i>Surface Age</i>	<i>Surface Age Index</i>
0 and <5	100 – 90
>=5 and <10	90 – 80
>=10 and <15	80 – 70
>=15 and <20	70 – 60
>=20 and <25	60 – 50
>=25 and <30	50 – 40
>=30 and <35	40 – 30
>=35 and <40	30 – 20
>=40 and <45	20 – 10
>=45 and <50	10 – 0

$$y = 100 - ((x / 50) * 100)$$

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Schedule A6-16 PCI Adjustment for Asset Inventory Changes

Schedule A6-16 - PCI Adjustment for Asset Inventory Changes

Not used.

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Schedule A6-17 Condition Resets

Schedule A6-17 - Condition Resets

Not used.

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Schedule A6-18 Agreed Rates of Deteriorations

Schedule A6-18 - Agreed Rates of Deterioration

Not used.

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Schedule A6-19 Reporting Formats for Sealed Road Network Condition Assessments

Schedule A6-19 - Reporting Formats for Sealed Road Network Condition Assessment

Table 1. Example of Network PCI Summary

Pavement Condition Index 2005-6 (Contract Year 0)			
	Total Length (km)		Avg PCI
Network PCI (Categories A, B, C1, C2)	1,243		83
	Total Length (km)	Total Area (m2)	Avg PCI
Category A (Length Weighted)	203	1,479,150	82
Category B (Length Weighted)	141	1,028,041	77
Category C1 (Length Weighted)	248	1,593,882	74
Category C2 (Length Weighted)	651	3,757,955	89
Category D (Area Weighted)	24	212,166	89

Table 2. Example of Road Category Data Distribution on Category A Network

Category A 2005-6

Total Area (M ²)	Total Length (km)
1,479,150	203

Roughness

Min	Max	SumOfArea	SumOfLength	%Length
-1	0	2134.53	263	0.1
10	20	6.4	1	0.0
20	30	35880.42	5469	2.7
30	40	180750.77	26411	13.0
40	50	236506.56	33873	16.7
50	60	245375.02	33514	16.5
60	70	184436.45	24782	12.2
70	80	176185.8	23111	11.4
80	90	112306.83	15032	7.4
90	100	92460.78	12387	6.1
100	110	60745.67	8392	4.1
110	120	43961.44	5702	2.8
120	130	29176.26	4259	2.1

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Annexure 6A Schedule A6-19 Reporting Formats for Sealed Road Network Condition Assessments

Roughness

Min	Max	SumOfArea	SumOfLength	%Length
130	140	27975.79	3681	1.8
140	150	13021.64	2154	1.1
150	500	38225.18	4376	2.2

Rutting

Min	Max	SumOfArea	SumOfLength	%Length
-1	0	1489	146	0.1
0	5	705599	90741	44.6
5	10	541950	75532	37.1
10	15	139050	21408	10.5
15	20	62320	10662	5.2
20	25	17972	3049	1.5
25	30	8436	1434	0.7
30	35	2334	435	0.2

Texture

Min	Max	SumOfArea	SumOfLength	%Length
-1	0	3288	362	0.2
0	0.4	38122	4588	2.3
0.4	0.6	237417	29920	14.7
0.6	0.8	200401	25861	12.7
0.8	5	999923	142676	70.1

Cracking

Min	Max	SumOfArea	SumOfLength	%Area
0	0	1226802.8	174737	82.9
0	3	206727.69	22911	14.0
3	5	20102.28	2556	1.4
5	10	19730.04	2458	1.3
10	15	3963.61	536	0.3
15	20	1110	110	0.1
20	25	713.1	99	0.0

Flushing

Min	Max	SumOfArea	SumOfLength	%Area
0	0	409655.78	59757	27.7
0	3	220890.9	32135	14.9
3	5	85102.7	12376	5.8
5	10	158669.58	21276	10.7
10	15	79131.74	11089	5.3
15	20	76899.93	9815	5.2
20	25	59161.9	8023	4.0
25	30	38207.04	4839	2.6
30	35	43032.88	5106	2.9
35	40	22848.25	2756	1.5
40	45	33782.07	4393	2.3
45	50	28881.99	3401	2.0
50	55	20853.39	2615	1.4
55	60	25855.35	3111	1.7

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Schedule A6-19 Reporting Formats for Sealed Road Network Condition Assessments

Flushing				
Min	Max	SumOfArea	SumOfLength	%Area
60	65	21170.62	2704	1.4
65	70	25608.19	3299	1.7
70	75	23960.99	2752	1.6
75	80	18311.08	2372	1.2
80	85	20260.64	2552	1.4
85	90	22629.1	2983	1.5
90	95	23413	3094	1.6
95	100	20822.42	2959	1.4

Table 3. Example of Road Category Data Distribution on a Category C2 Network

Category C2 2005-6

Total Area (M ²)	Total Length (km)
3,720,389	650

Cracking				
Min	Max	SumOfArea	SumOfLength	%Area
0	0	3135102.5	561818	84.3
0	3	393434.6	58653	10.6
3	5	66525.97	10280	1.8
5	10	62577.29	9897	1.7
10	15	25154.89	3712	0.7
15	20	10731.85	1653	0.3
20	25	7236.36	1167	0.2
25	30	6379	1001	0.2
30	35	2941.02	522	0.1
35	40	2078.22	297	0.1
40	45	2473.44	444	0.1
45	50	612.75	104	0.0
50	55	1009	200	0.0
55	60	550	100	0.0
60	65	233.4	30	0.0
65	70	1100	200	0.0
70	75	746.12	128	0.0
75	80	696.34	127	0.0
85	90	225.5	41	0.0
90	95	298.92	47	0.0
95	101	281.64	48	0.0

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Schedule A6-19 Reporting Formats for Sealed Road Network Condition Assessments

Flushing

Min	Max	SumOfArea	SumOfLength	%Area
0	0	3507993.3	611286	94.3
0	3	157837.58	28952	4.2
3	5	16581.06	3085	0.4
5	10	14674.82	2931	0.4
10	15	9518.23	1585	0.3
15	20	4991.1	903	0.1
20	25	1995.41	413	0.1
25	30	1764.2	392	0.0
30	35	83.55	15	0.0
35	40	650	100	0.0
40	45	1336	300	0.0
45	50	1041.4	198	0.0
50	55	546.45	84	0.0
55	60	1375.75	225	0.0

Pavement Defect

Min	Max	SumOfArea	SumOfLength	%Area
0	0	3189348.4	587750	85.7
0	3	505662.74	78071	13.6
3	5	10465.01	1828	0.3
5	10	8819.32	1461	0.2
10	15	2552.67	467	0.1
15	20	628.23	107	0.0
20	25	410	100	0.0
25	30	2502.5	685	0.1

Stripping

Min	Max	SumOfArea	SumOfLength	%Area
0	0	2988752.4	519801	80.3
0	3	595037	105010	16.0
3	5	57518.71	10259	1.5
5	10	42351.51	8293	1.1
10	15	16792.56	3293	0.5
15	20	6776.17	1312	0.2
20	25	4736.47	990	0.1
25	30	1497.76	361	0.0
30	35	1168	210	0.0
35	40	634	126	0.0
40	45	650	100	0.0
45	50	680.4	108	0.0
50	55	650	100	0.0
55	60	788.4	138	0.0
60	65	1300	200	0.0
65	70	292.5	45	0.0
75	80	328.6	62	0.0
80	85	434.32	61	0.0

Personal Information

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Schedule A6-19 Reporting Formats for Sealed Road Network Condition Assessments

Table 4. Example of Individual Road Segment Condition Data

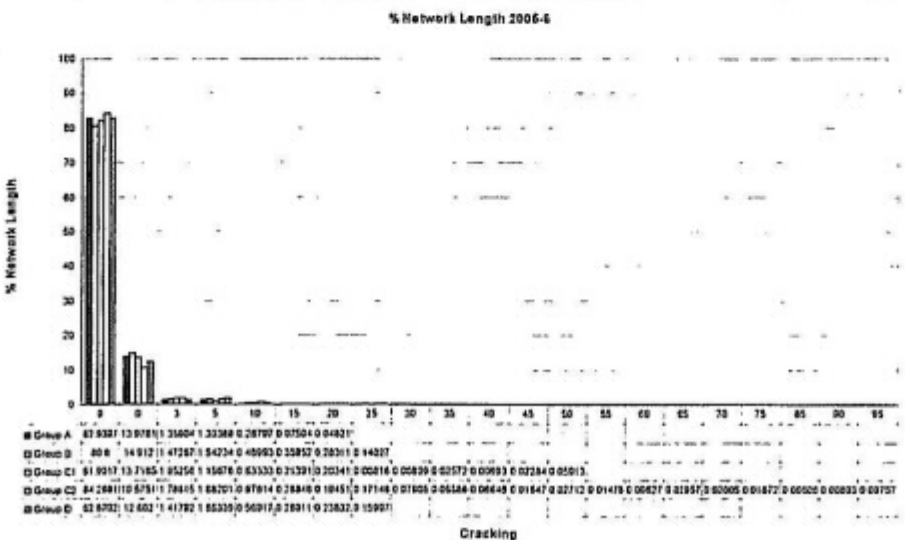
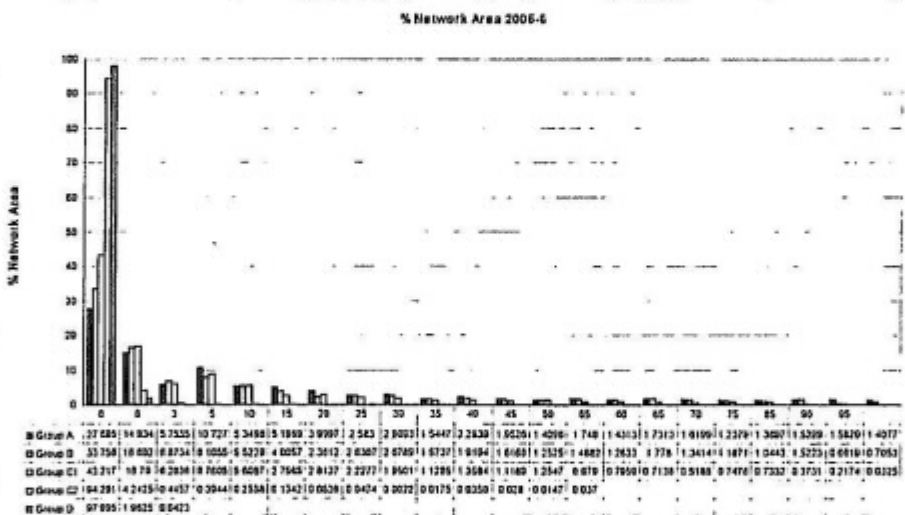
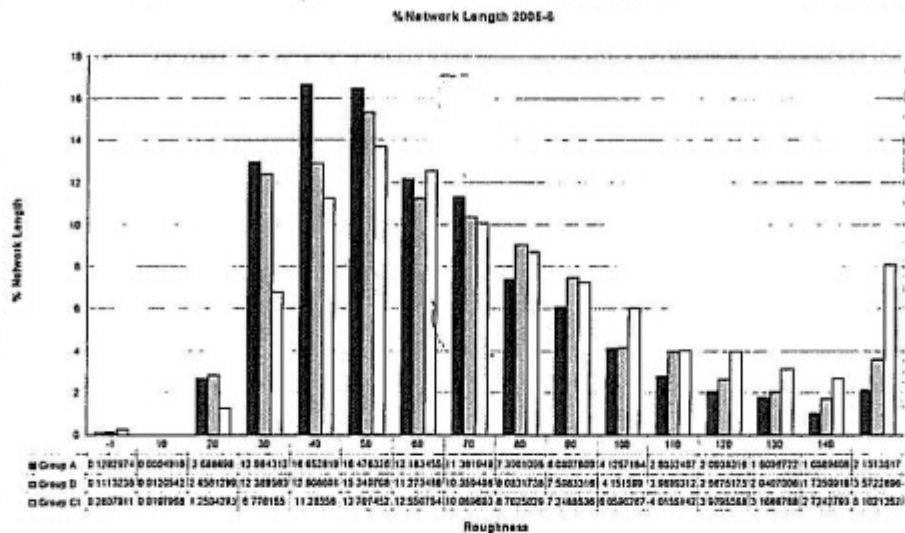
PCI Road Category A (2005-6)

RoadNo	BlkNo	Length	Area	Rough	Rutt	Texture	Flush	% Cracking	SurfYear	SurfType	SurfAge	PCI
104386	1	1192	8653.9	52.09	5.40	0.86	29.26	0.10	2000	CS	5	86.30
106016	1	565	3616.0	94.76	6.15	1.24	8.50	1.11	2003	CS	2	91.43
106016	2	502	3212.8	29.16	4.29	1.79	0.00	0.00	1993	CS	12	88.00
106016	3	383	2803.6	37.97	7.44	1.24	21.39	0.00	1993	CS	12	83.74
106016	4	530	3602.3	40.91	5.75	1.02	14.34	0.82	1995	CS	10	86.01
106016	5	413	2560.6	71.86	10.34	0.87	12.93	1.91	1995	CS	10	83.40
106016	6	463	2870.6	48.87	7.53	1.10	5.38	0.00	1995	CS	10	88.66
106016	7	468	2957.8	75.76	6.25	0.91	14.77	0.00	1995	CS	10	83.53
106016	8	343	2027.1	102.90	6.59	1.39	8.00	0.20	1994	CS	11	80.93
106016	9	445	2492.0	55.63	12.37	1.54	0.90	0.00	1994	CS	11	87.80
106016	10	315	1764.0	41.36	9.81	1.91	0.95	0.00	1994	CS	11	88.67
106016	11	503	2942.6	43.22	8.36	1.88	2.58	0.00	1994	CS	11	86.23
106016	12	429	2471.0	91.33	6.64	0.84	21.42	0.00	1992	CS	13	75.81
106016	13	372	2046.0	78.95	10.59	1.08	11.09	0.00	1992	CS	13	81.25
106016	14	528	3131.0	106.24	10.08	0.93	18.56	0.64	1992	CS	13	73.82
106038	1	355	2811.6	56.98	5.49	0.95	11.27	0.00	1998	CS	9	87.61
106038	2	370	2749.1	55.08	8.52	1.21	0.46	0.00	1998	CS	9	90.96
106038	3	547	3577.4	52.57	6.06	0.79	36.75	0.00	1992	CS	13	77.98
106038	4	318	2003.4	52.50	8.52	1.00	6.77	0.00	1992	CS	13	84.09
106038	5	523	3294.9	60.37	11.10	1.12	2.72	0.00	1992	CS	13	85.97
106038	6	401	3372.4	68.48	7.08	0.75	40.40	1.47	1992	CS	13	77.47
106038	7	134	1541.0	70.33	3.47	0.38	82.76	0.27	2000	CS	5	76.59
106038	8	139	1462.3	76.00	1.47	0.36	81.80	0.05	2000	CS	5	74.41

Annexure 6A

Schedule A6-19 Reporting Formats for Sealed Road Network Condition Assessments

Graphs 1, 2 and 3. Examples of Road Category Data Distribution

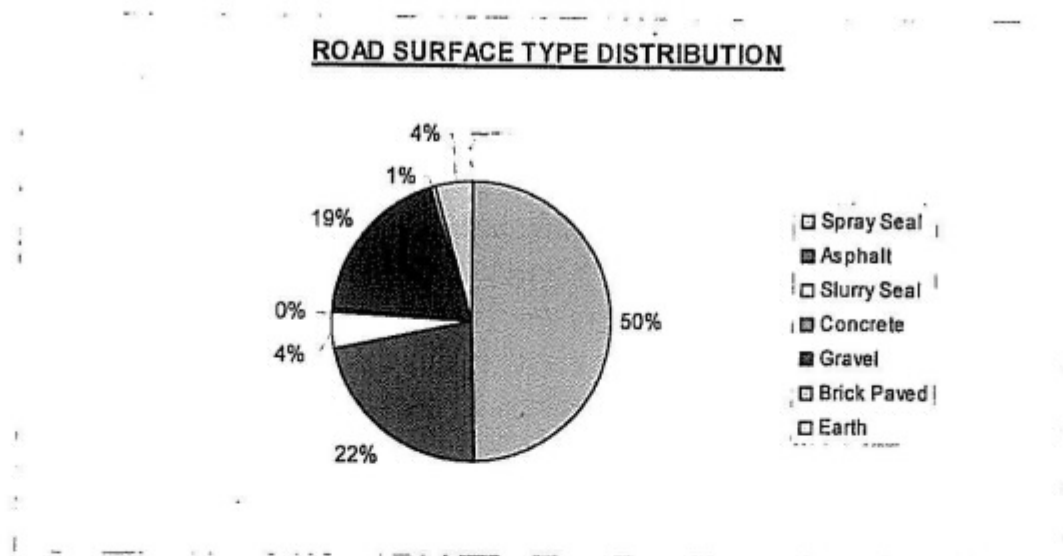


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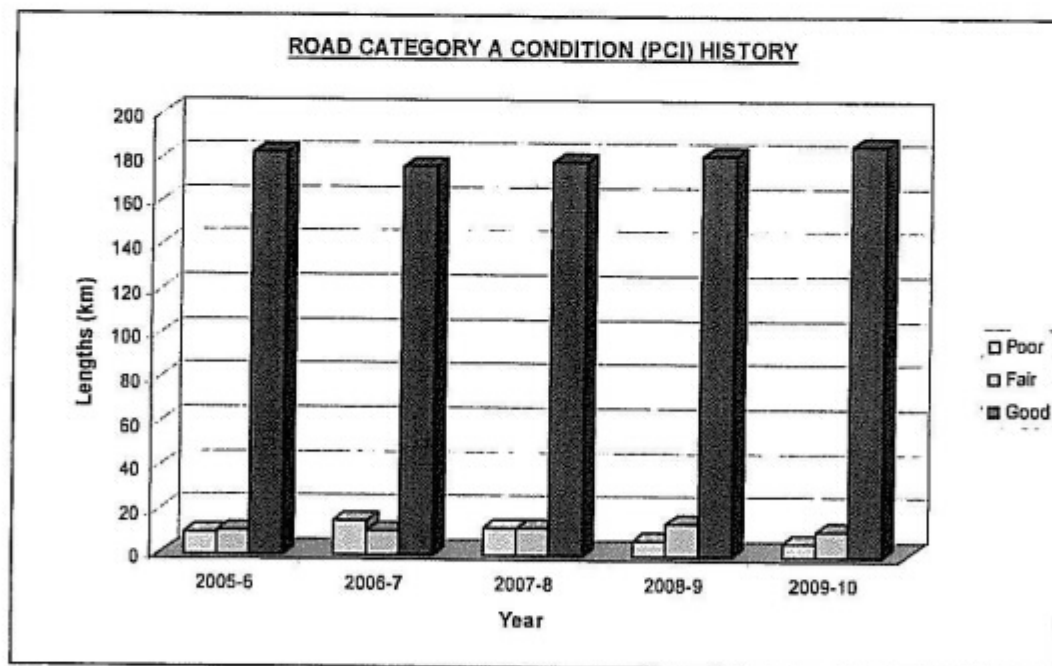
Annexure 6A

Schedule A6-19 Reporting Formats for Sealed Road Network Condition Assessments

Graph 4. Example of Current Network Data



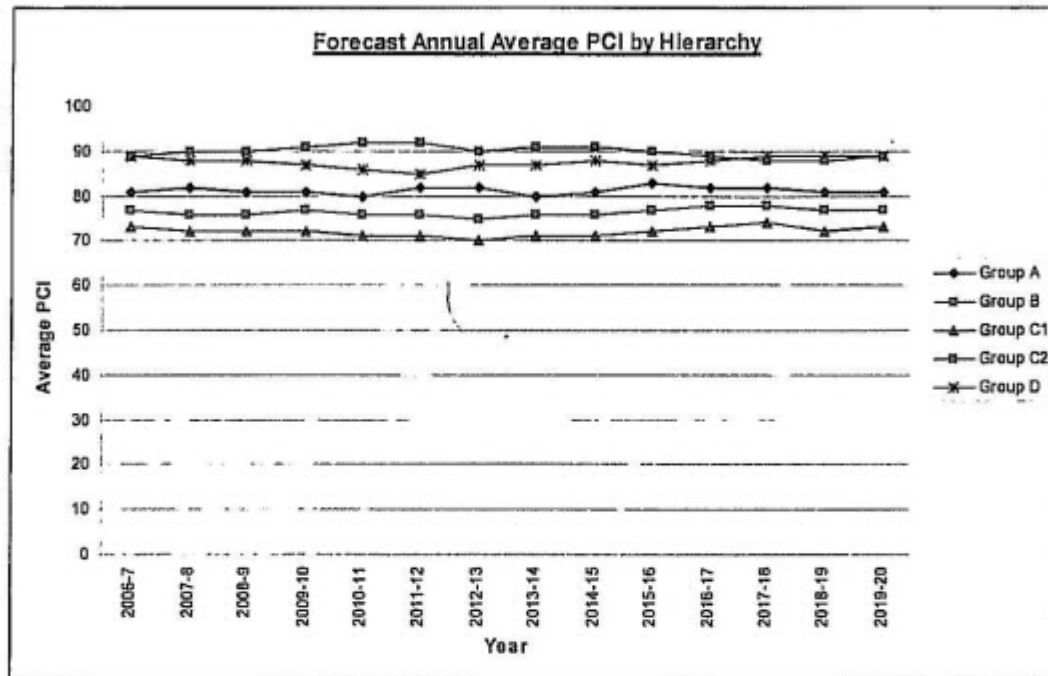
Graph 5. Example of Category Data History



Annexure 6A

Schedule A6-19 Reporting Formats for Sealed Road Network Condition Assessments

Graph 6. Example of Forecast Category Average PCI



Annexure 6A

Schedule A6-21 Road Schedule for PCI Categories C2 and D

Schedule A6-20 - Road Schedule for PCI Categories A, B & C1

Unless otherwise determined by the Service Management Team, the Road Schedule for PCI Road Categories A, B and C1 is the same as the one used to determine the Required PCI for those PCI Road Categories.

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Annexure 6A

Schedule A6-21 Road Schedule for PCI Categories C2 and D

Schedule A6-21 - Road Schedule PCI Road Categories C2 & D

Unless otherwise determined by the Service Management Team, the Road Schedule for PCI Road Categories C2 and D is the same as the one used to determine the Required PCI for those PCI Road Categories.

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Annexure 6B

Condition Monitoring Adjustable PCI working draft

Safer Local Roads
Contract No. 1218



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Annexure 6B – Condition monitoring

Adjustable PCI working draft

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Annexure 6B –Condition monitoring: Adjustable PCI working draft

This document contains suggested provisions for incorporation into the replacement Annexure 6 (Condition Monitoring) which is being developed by the parties in accordance with clause A5-9.4 (Review of Performance Standard).

Use of these provisions is not mandatory, but a guideline only.

A6-1. Introduction

This Annexure sets out the Contractor's obligations in relation to the monitoring and measurement of the Condition of the PCI Assessable Pavements.

During each Pavement Performance Review Year, the Contractor must:

- .1 undertake pavement performance condition assessments, and
- .2 determine the Required PCI to apply for the following Pavement Performance Review Year.

This Annexure sets out how this is to be done and the methodology to be applied.

A6-2. PCI Road Categories & coverage

As per Annexure 6A

A6-3. Condition assessments

As per Annexure 6A

A6-4. Road Schedules

- A6-4.1 For the purposes of undertaking its assessment, the Condition Assessor must be given a schedule for each PCI Road Category showing the roads for which data is to be collected and details of the prescribed and counter directions, where appropriate ("Road Schedule").
- A6-4.2 The Road Schedule for each subsequent PPR Year (PPR Year N + 1) must be developed jointly by the parties' Asset Management Specialists and approved by the Service Management Team as part of the Annual Review in each PPR Year (PPR Year N). The Road Schedule for PPR Year N + 1 must set out only those lengths of road that were used in the calculation of the Required PCI for PPR Year N +

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1, so as to provide a data equivalence for the measurement of the PCI in PPR Year N +1.

- A6-4.3 The Road Schedules for PPR Year 1 (as determined at Contract Year 0) are schedules A6-20 (Road Schedule for PCI Categories A, B and C1) and schedule A6-21 (Road Schedule for PCI Road Categories C2 and D).
- A6-4.4 If, in any PPR Year, the parties wish to collect data relating to lengths of road additional to those set out in the Road Schedule for that PPR Year, the additional road lengths must be set out in a Supplementary Road Schedule agreed by the Service Management Team (on the joint recommendation of the parties' Asset Management Specialists) and provided to the Condition Assessor. Data collected under a Supplementary Road Schedule is not relevant and must not be taken into account for the purpose of determining the Measured PCI.

A6-5. Automated Pavement Condition Assessment

As per Annexure 6A

A6-6. Visual Pavement Condition Assessment Requirements

As per Annexure 6A

A6-7. Calculation methodology for PCI Road Categories A, B & C1

A6-7.1 Application to determine Required PCI

This clause A6-7.1 is to provide an overview of how the Required PCI is determined each Pavement Performance Review Year. Technical content to be agreed.

The parties acknowledge and agree that:

- (a) the Required PCI for PCI Road Categories A, B and C1 for PPR Year 1 (as set out in Performance Standard 9 (Pavement Condition)) has been calculated by applying the methodology set out in this clause A6-7;
- (b) the Required PCI for PCI Road Categories A, B and C1 for each subsequent PPR Year ("PPR Year N +1") will be calculated by:
 - (1) firstly, taking the data collected under clauses A6-5 (Automated Pavement Condition Assessment) and A6.6 (Visual Pavement Condition Assessment Requirements), not including any data collected under a Supplementary Road Schedule;

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- (2) secondly, applying the methodology set out in this clause A6-7 to the above data to determine the Measured PCI;
- (3) thirdly, adjusting the Measured PCI for PPR Year N for Asset Inventory Changes in accordance with clause A6-9 (Calculation methodology – Asset Inventory Change All PCI Road Categories) to determine the Asset Adjusted Interim PCI; and
- (4) finally, adjusting the Asset Adjusted Interim PCI to take account of applicable PCI Points in accordance with clause A6-10.3 (Operation of PCI Points).

A6-7.2 PCI Calculation Methodology Road Categories A, B & C1

The processes, data required and calculation methodologies for PCI Road Categories A, B and C1 are summarised in schedule 6-14 Figure 1 (PCI Calculation Process Flow Chart for Road Categories A, B and C1).

A6-7.3 Data required for PCI calculation

The following data is required in order to calculate the PCI for PCI Road Categories A, B or C1:

- (a) Condition Data (Automated) - Roughness (NAASRA), Rutting (Rut depth mm) and Texture Depth (SMTD)
 - 100m interval
- (b) Condition Data (Visual) – Crocodile Cracking and Flushing (% Area)
 - 25m interval
- (c) Road sections data – Block ID, PCI Road Category, surface type, trafficable area and surface age
 - 100m interval

A6-7.4 PCI calculation process

The process for calculation of the PCI for PCI Road Categories A, B and C1 is as follows:

- (a) Transformation – Data Transfer
 - (1) Transfer Condition Data (Automated) into the predefined road network's 100m sections
 - the data transfer methodology is based on length weighted average approach

- (2) Transfer Condition Data (Visual) into the predefined road network's 100m sections
- the data transfer methodology is based on summation approach
- (b) Condition data calculation for each 100m road section
- (1) Roughness:
Average Roughness
- $$\frac{(\text{NAASRA Left} + \text{NAASRA Right})}{2} \times \text{Right}$$
- (2) Rutting:
Maximum Rut Depth
- = Max Rut Depth (IWP Left, OWP Left, IWP Right, OWP Right [PC])
- (3) Texture Depth
Minimum Texture Depth
- = Min Text Depth (IWP Left, OWP Left, IWP Right, OWP Right [PC])
- (3) Cracking
% Cracked Area
- (4) Flushing
% Flushed Area
- (c) Condition Index Conversions
- The condition index conversions are set out in schedule A6-15 (Condition Index Conversions).
- (d) Apply % contributions (Category A and B) to each of the index
- Condition data = 65%
 - Roughness = 30%
 - Rutting = 15%
 - Texture & Flushing = 30%
 - Cracking = 25%
 - Surface age = 35%

- (e) Apply % contributions (Category C1) to each of the indices
- Condition data = 75%
 - Roughness = 25%
 - Rutting = 15%
 - Texture & Flushing = 30%
 - Cracking = 30%
 - Surface age = 25%
- Surface Age at Contract Year 0 = 2005 minus the year of wearing course application, Surface Age at Contract Year 3 = 2008 minus the year of wearing course application, etc.*
- (f) Sum up all individual weighted PCI to calculate the FINAL PCI for each 100m section.
- (g) Length weighted average of all 100m section FINAL PCIs to calculate the overall PCI for the PCI Road Category.

A6-8. Calculation methodology for PCI Road Categories C2 & D

A6-8.1 Application to determine Required PCI

This clause A6-8.1 is to provide an overview of how the Required PCI is determined each Pavement Performance Review Year. Technical content to be agreed.

The parties acknowledge and agree that:

- (a) the Required PCI for PCI Road Categories C2 and D for PPR Year 1 (as set out in Performance Standard 9 (Pavement Condition)) has been calculated by applying the methodology set out in this clause A6-8;
- (b) the Required PCI for PCI Road Categories C2 and D for each subsequent PPR Year ("PPR Year N +1") will be calculated by:
- (1) firstly, taking the data collected under clause A6-6 (Visual Pavement Condition Assessment Requirements) not including any data collected under a Supplementary Road Schedule;
 - (2) secondly, applying the methodology set out in this clause A6-8 to the above data to determine the Measured PCI;
 - (3) thirdly, adjusting the Measured PCI for PPR Year N for Asset Inventory Changes in accordance

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with clause A6-9 (Calculation methodology – Asset Inventory Change All PCI Road Categories) to determine the Asset Adjusted Interim PCI; and

- (1) finally, adjusting the Asset Adjusted Interim PCI to take account of applicable PCI Points in accordance with clause A6-10.3 (Operation of PCI Points).

A6-8.2 Overview

The processes, data required and calculation methodologies for PCI Road Categories C2 and D, are summarised in schedule A6-14 Figure 2 (PCI Calculation Process Flow Chart for Road Categories C2 and D).

A6-8.3 Data required for PCI calculation

The following data is required to calculate the PCI for PCI Road Categories C2 and D:

- (a) Condition Data (Visual) – Pavement Defects, Crocodile Cracking, Stripping and Flushing (% Area)
 - 25m interval
- (b) Road sections data – Block ID, PCI Road Category, surface type, trafficable area and surface age
 - 100m interval

A6-8.4 PCI calculation process

The process for calculation of the PCI for PCI Road Categories C2 and D is follows:

- (a) Transformation – data transfer
 - Transfer Condition Data (Automated) (if any) into the predefined road network's 100m sections
 - o The data transfer methodology is based on length weighted average approach
 - Transfer Condition Data (Visual) into the predefined road network's 100m sections
 - o The data transfer methodology is based on summation approach
- (b) Condition data calculation for each 100m road section
 - Cracking
% Cracked Area
 - Flushing
% Flushed Area

- Pavement Defects
% Pavement Defective Area
 - Stripping
% Stripped Area
- (c) Condition Index conversion
- Cracking
100 - % Cracked Area
 - Flushing
100 - % Flushed Area
 - Pavement Defects
100 - % Pavement Defective Area
 - Stripping
100 - % Stripped Area
 - Surface Age
Refer schedule A6-15, Tables 4 and 5 for
Condition Index Conversions for Surface Age.
- (d) Apply % contributions (Category C2) to each of the index
- Condition data = 75%
 - o Cracking = 25%
 - o Pavement Defects = 25%
 - o Flushing = 25%
 - o Stripping = 25%
 - Surface age = 25%
- (e) Apply % contributions (Category D) to each of the index
- Condition data = 80%
 - o Cracking = 25%
 - o Pavement Defects = 25%
 - o Flushing = 25%
 - o Stripping = 25%
 - Surface age = 20%
- Surface Age at Contract Year 0 = 2005 minus the year of wearing course application, Surface Age at Contract Year 3 = 2008 minus the year of wearing course application, etc. schedule
- (f) Sum up all individual weighted PCI to calculate the FINAL PCI for each of 100m section
- (g) Length weighted average of all 100m section FINAL PCI to calculate the overall PCI for the PCI Road Category.

A6-9. Calculation methodology – Asset Inventory Change All PCI Road Categories

A6-9.1 Overview

The processes and calculation methodologies for ALL PCI Road Categories are summarised in schedule A6-16 (PCI Adjustment for Asset Inventory Changes).

A6-9.2 Asset Inventory Change Calculation Process

To take account of Asset Inventory Changes that have occurred since PPR Year N-1, the Contractor must adjust the Measured PCI for each PCI Road Category as follows:

- (a) GS1 - Works in progress
 - Apply GS1 by using the Condition Resets (as defined below) for all works in progress on PCI Assessable Pavements in that PCI Road Category and recalculate the PCI taking into consideration the applicable length:
 - The calculation of the FINAL PCI is based on PPR Year condition data by applying the agreed "condition reset" to sections where works are in progress. The applicable condition resets are set out in schedule A6-17 (Condition Resets). Reset values may be adjusted during the term of the Contract. This may occur where justified by analysis of updated condition data, and subject to approval by the Service Management Team.
- (b) GS2 – Change of PCI Road Category
 - The adjustment of PCI to take account of changes in PCI Road Category is made by applying the PPR Year condition data to the additional or deducted road network length within the PCI Road Category.
 - Only perform calculation for the additional road length → positive (GS2 – L) and ignore the road length reduction scenario.
- (c) GS3 – Brand New Subdivisions
 - The adjustment of PCI is made by applying the PPR Year condition data to the additional road network length within the road category.
 - Calculate the additional road length → positive (GS3 - L).

(d) **GS4 – Pre-Existing Roads Not Surveyed in previous PPR Year, Handover From Others, Left Out**

- The adjustment of PCI is made by applying the PPR Year condition data to the additional road network length not being surveyed previously.
- Calculate the additional road length → positive (GS4 - L).

(e) **GS5 – Capital Works of Renewal / Accelerated Works**

- The adjustment of PCI is made by applying the PPR Year condition data to the additional road network length resulted from capital works projects and predefined and agreed accelerated works.
- Calculate the additional road length → positive (GS5 - L).

(f) **GS6 – Shrinkage Due To Hand Back / Works by Others**

- The adjustment of PCI is made by applying the PPR Year condition data to the reduction of road network length.

(g) **Calculate the overall PCI taking into consideration all factors (GS1, GS2, GS3, GS4, GS5 AND GS6) → Asset Adjusted Interim PCI- PPR Year N.**

A6-9.3 Development of Road Schedule for PPR Year N +1

The additional road length information and adjustments for Asset Inventory Change made in accordance with this clause must be recorded in a new Road Schedule submitted to the Service Management Team at the same time as the Sealed Road Network Condition Assessment Report referred to in clause A6.11 (Condition Assessment Reporting) is submitted to the Shire.

A6-10. Determination of PCI Points

Clause required to explain what PCI Points are and how they are used in calculating the Final PCI. Also, if PCI Points are relevant to determining whether the Required PCI has been complied, explain how they operate in that context. Technical content to be agreed

A6-10.1 Sources of PCI Points

PCI Points originate the application of agreed deterioration rates to new road lengths (see clause A6-10.3).

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A6-10.2 PCI Points for deterioration of additional road lengths

For new road lengths introduced since PPR Year N-1, the Contractor is awarded PCI Point Credits calculated as follows:

- (a) Identify and calculate the total length of road network applicable for the calculated PCI $\rightarrow L$.
- (b) Calculate the overall total additional road length for GS2, GS3, GS4 and GS5 for the applicable PCI Road Category

$$GS-L = (GS2-L) + (GS3-L) + (GS4-L) + (GS5-L)$$

- (c) Calculate PCI Point Credits for deterioration purposes as follows:

$$PCI \text{ Point Credits} = \frac{[(PCI \text{ R/D}) \times 3] \times GS-L}{L}$$

where PCI/RD is the Agreed Rate of Deterioration applicable to the PCI Road Category.

A6-10.3 Operation of PCI Points

PCI Points operate as follows:

- (a) PCI Point Credits are deducted from the Asset Adjusted Interim PCI for PPR Year N to produce the Required PCI for PPR Year N + 1
- (b) PCI Point Debits are added to the Asset Adjusted Interim PCI for PPR Year N to produce the Required PCI for PPR Year N + 1.

A6-11. Condition Assessment Reporting

As per Annexure 6A.

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Schedules

Schedule A6-1 - Road Hierarchy

As per Annexure 6A

Schedule A6-2 - PCI Road Categories

As per Annexure 6A

Schedule A6-3 - Pavement Performance Review Years

As per Annexure 6A

Schedule A6-4 - Conditions to be assessed

As per Annexure 6A

Schedule A6-5 – Austroads Distress

As per Annexure 6A

Schedule A6-6 - Condition Data Collection & Reporting Dates

As per Annexure 6A

Schedule A6-7 - Roughness Reporting Format PCI Road Categories A and B

As per Annexure 6A

Schedule A6-8 - Rutting Reporting Format PCI Road Categories A and B

As per Annexure 6A

Schedule A6-9 - Surface Texture Reporting Format PCI Road Categories A and B

As per Annexure 6A

Schedule A6-10 - Roughness Reporting Format PCI Road Category C1

As per Annexure 6A

Schedule A6-11 - Rutting Reporting Format PCI Road Category C1

As per Annexure 6A

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Schedule A6-12 - Surface Texture Reporting Format PCI Road Category C1

As per Annexure 6A

Schedule A6-13 - Reporting Format for Condition Data (Visual)

As per Annexure 6A

Schedule A6-14 - PCI Calculation Process Flow Charts

As per Annexure 6A

Schedule A6-15 - Condition Index Conversions

Table 1. Condition Index Conversion – Roughness

<i>Average Roughness (x)</i>	<i>Roughness Index (y)</i>
<70	100
>=70 and <90	99 – 75
>=90 and <120	74 – 50
>=120 and <150	49 – 25
>=150 and <200	24 – 1
>=200	0

$$y = -95.65\ln(x) + 506.15$$

$$R^2 = 0.9988$$

Table 2. Condition Index Conversion – Rutting

<i>Maximum Rut Depth</i>	<i>Rutting Index</i>
<10	100
>=10 and <20	99 – 75
>=20 and <30	74 – 50
>=30 and <40	49 – 25
>=40 and <50	24 – 1
>=50	0

$$y = -2.5x + 125$$

$$R^2 = 1$$

Table 3. Condition Index Conversion – Surface Texture

<i>Minimum Texture Depth</i>	<i>Surface Texture Index</i>
≥ 1	100
≥ 0.8 and < 1	99 – 50
≥ 0.6 and < 0.8	49 – 1
< 0.6	0

$$y = 250x - 150$$

$$R^2 = 1$$

Cracking

100 - % Cracked Area

Flushing

100 - % Flushed Area

Table 4. Condition Index Conversion – Surface Age– Chip (Spray) Seal or Slurry Seal

<i>Surface Age</i>	<i>Surface Age Index</i>
0 and < 5	100 – 85.7
≥ 5 and < 10	85.7 – 71.4
≥ 10 and < 15	71.4 – 57.1
≥ 15 and < 20	57.1 – 42.9
≥ 20 and < 25	42.9 – 28.6
≥ 25 and < 30	28.6 – 14.3
≥ 30 and < 35	14.3 - 0

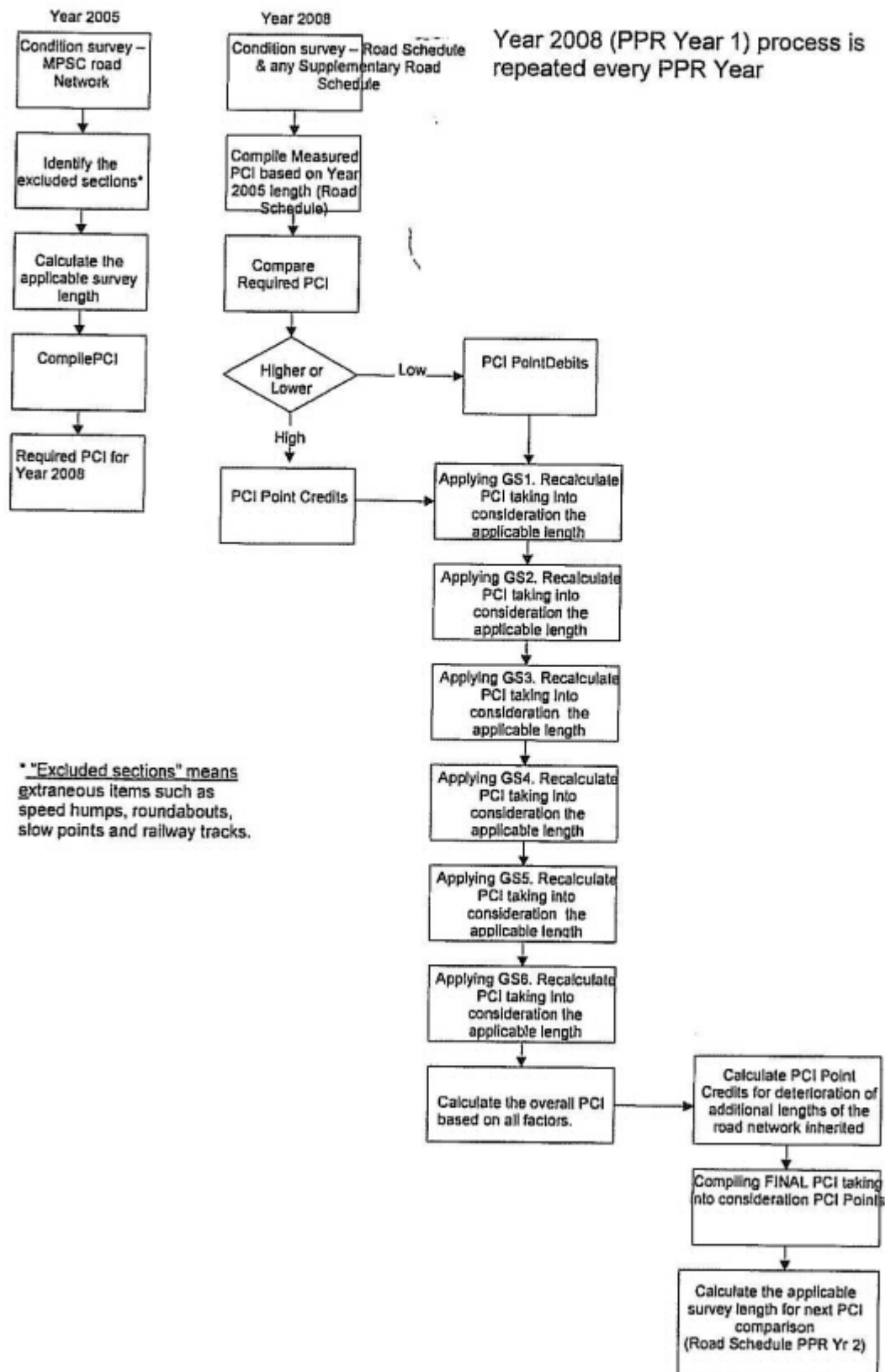
$$y = 100 - ((x / 35) * 100)$$

Table 5. Condition Index Conversion – Surface Age – Asphaltic Concrete

Surface Age	Surface Age Index
0 and <5	100 – 90
>=5 and <10	90 – 80
>=10 and <15	80 – 70
>=15 and <20	70 – 60
>=20 and <25	60 – 50
>=25 and <30	50 – 40
>=30 and <35	40 – 30
>=35 and <40	30 – 20
>=40 and <45	20 – 10
>=45 and <50	10 – 0

$$y = 100 - ((x / 50) * 100)$$

Schedule A6-16 - PCI Adjustment for Asset Inventory Changes



Schedule A6-17 - Condition Resets

Table 1. Road Categories A, B & C1 (Chip / Spray Seal)

Condition	Condition Reset (at Year 0)
Roughness	N/A
Rutting	N/A
Surface Texture	2
Flushing	0
Cracking	0

Table 2. Road Categories C2 & D (Chip / Spray Seal)

Condition	Condition Reset (at Year 0)
Pavement Defects	0
Flushing	0
Stripping	0
Cracking	0

Table 3. Road Categories A, B & C1 (Slurry Seal)

Condition	Condition Reset (at Year 0)
Roughness	If($R_{uff} < 65, nCND_R_{uff}, \max(nCND_R_{uff} - 20, 65)$)
Rutting	2
Surface Texture	1.5
Flushing	0
Cracking	0

Table 4. Categories C2 & D (Slurry Seal)

Condition	Condition Reset (at Year 0)
Pavement Defects	0
Flushing	0
Stripping	0
Cracking	0

Table 5. Road Categories A, B & C1 (Thin AC Overlay)

Condition	Condition Reset (at Year 0)
Roughness	if($nCND_Ruff < 65$, $nCND_Ruff, max$ ($nCND_Ruff - 30, 65$))
Rutting	1
Surface Texture	1
Flushing	0
Cracking	0

Table 6. Condition Resets – Road Categories C2 & D (Thin AC Overlay)

Condition	Condition Reset (at Year 0)
Pavement Defects	0
Flushing	0
Stripping	0
Cracking	0

Table 7. Road Categories A, B & C1 (Rehabilitation)

Condition	Condition Reset (at Year 0)
Roughness	60
Rutting	2
Surface Texture	2
Flushing	0
Cracking	0

Table 8. Road Categories C2 & D (Rehabilitation)

Condition	Condition Reset (at Year 0)
Pavement Defects	0
Flushing	0
Stripping	0
Cracking	0

Schedule A6-18 - Agreed Rates of Deterioration

Road Category	PCI rate of deterioration / annum (at Contract Year 0) PCI R/D
A	1.6

B	1.5
C1	1.3
C2	1.3
D	1.0

Schedule A6-19 - Reporting Formats for Sealed Road Network Condition Assessment

As per Annexure 6A

Schedule A6-20 - Road Schedule for PCI Categories A, B & C1

See Annexure 6A

Schedule A6-21 - Road Schedule PCI Road Categories C2 & D

As per Annexure 6A

Annexure 7

Accelerated Works Program

Safer Local Roads
Contract No.1218



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Annexure 7 – Accelerated Works Program

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Accelerated Works Program Overview

A7-1 Accelerated Works Program

Job No.	Asset	Asset Type	Year 1 (06/07)	Year 2 (07/08)	Year 3 (08/09)	Year 4 (09/10)	Third Party Funded Project	Description of Works
1	Derril Road, Moorooduc (550m of Derril / Tuerong / Graydens Inter)	Road	✓				N	Foam stabilised pavement, 7m sealed road with 1.5m shoulders, guide posts, drainage & signage
2	Waterfall Gully Road, Rosebud (300m of road 2km east of Goolgowie St)	Road	✓				N	Foamed stabilised pavement, 5m sealed road with 0.5m shoulders, guide posts, drainage & signage
3	Melbourne Road, Rye (seal shoulders both sides Canterbury Jetty - Dundas St)	Shoulder	✓				N	Construct heavy duty sealed shoulders 1.5m with edge lines
4	O'Neills Road, Tyabb (seal shoulders both sides Frankston/Flinders road to Dandenong/Hastings Road)	Shoulder	✓				N	Construct light duty sealed shoulders with edge lines
5	Main Creek Road, Main Ridge (seal shoulders Arthurs Seat - Shands Rds)	Shoulder	✓				N	Construct light duty sealed shoulders with edge lines in conjunction with the reseal program
6	Dundas Street, Rye (stage 1) (seal shoulders Browns-Sandy Rds)	Shoulder	✓				N	Construct light duty sealed shoulders, with passing lane/bus bay opposite shopping centre car park
7	Dundas Street, Rye (designed)	Car Park	✓				Y	Construct car parking area
8	Eramosa Road, Somerville (designed)	Car Park	✓				Y	Construct car parking area
9	Browns Road, Main Ridge (stage 1) (seal shoulders Purves - Jetty Rds)	Shoulder		✓			N	Construct light duty sealed shoulders with edge lines
10	Browns Road, Rye (stage 2) (seal shoulders Trueman's - Dundas St)	Shoulder		✓			N	Construct light duty sealed shoulders with edge lines
11	Bentons Road, Mt Martha (seal shoulders Century - Moorooduc Hwy)	Shoulder		✓			N	Construct asphalt kerbing both sides

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Accelerated Works Program Overview

Job No.	Asset	Asset Type	Year 1 (06/07)	Year 2 (07/08)	Year 3 (08/09)	Year 4 (09/10)	Third Party Funded Project	Description of Works
12	Boes Road, Hastings (1600m between Graydens – Hodgins Rds)	Road		✓			N	Foamed stabilised pavement, 7m sealed road with 1.5m shoulders, guide posts, drainage (floodway) & signage
13	Hendersons Road, Bittern (750m between Kingfauns Estate - Myers Rd)	Road		✓			Y (part)	Shared between Developer / Shire / SCS Final construction details to be agreed upon.
14	Waterfall Gully Road, Rosebud (1100m from Goolgowie - top of hill)	Road		✓			Y	FCR overlay pavement, 5m sealed road with 0.5m shoulders (possible alternative asphalt kerbing), drainage, guide posts, entranceways & signage
15	Hopetoun Avenue, Mt Martha (stage 1) (600m between Dominion – Essex)	Road		✓			Y	FCR overlay pavement, 6m sealed road with asphalt kerbing, drainage & signage.
16	Hopetoun Avenue, Mt Martha (stage 2) (550m between Essex - Norfolk)	Road			✓		Y	FCR overlay pavement, 6m sealed road with asphalt kerbing, drainage & signage.
17	Hopetoun Avenue, Mt Martha (stage 3) (750m between Norfolk - Point Nepean Hwy)	Road			✓		Y	FCR overlay pavement, 6m sealed road with asphalt kerbing, drainage & signage.
18	Shands Road, Main Ridge (stage 1) (700m between Mornington/Flinders – Tucks Rd)	Road			✓		N	Foam stabilised pavement, 6m sealed road with asphalt kerbing, swater outlets from kerb & signage (Includes enhancement to bridge)
19	Shands Road, Main Ridge (stage 2) (1400m between Tucks - Shoreham Rds)	Road			✓		N	Foam stabilised pavement, 6m sealed road with 1m shoulders, minor culverts, guide posts & signage.
20	Brownis Road, Boneo (stage 3) (seal shoulders Jetty - Trueman's Rds)	Shoulder			✓		N	Construct light duty sealed shoulders with edge lines
21	Dundas Street, Rye (stage 2) (seal shoulders Melbourne - Brownis Rds)	Shoulder			✓		N	Construct light duty sealed shoulders with edge lines
22	Tyabb - Tooradin Road, Tyabb (stage 1) (seal shoulders Western Port Hwy -	Shoulder			✓		N	Construct light duty sealed shoulders with edge lines

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Accelerated Works Program Overview

Job No.	Asset	Asset Type	Year 1 (06/07)	Year 2 (07/08)	Year 3 (08/09)	Year 4 (09/10)	Third Party Funded Project	Description of Works
	Bungower Road)							
23	Tyabb - Tooradin Road, Somerville (stage 2) (seal shoulders Bungower - Boundary Rd East)	Shoulder				✓	N	Construct light duty sealed shoulders with edge lines
24	Lower Somerville Road, Somerville (1650m between Bungower - Eramosa East)	Road				✓	N	Foam stabilised pavement, 6m sealed road with 1m shoulders, minor culverts, guide posts & signage.
25	Graydens Road, Moorooduc (1200m from east end dam - Lodders Rd)	Road				✓	N	Foam stabilised pavement, 6m sealed road with 1m shoulders, minor culverts, guide posts & signage
26	Truemans Road, Toolgarook (stage 1) (seal shoulders Wilkinson - Browns Rd North)	Shoulder				✓	N	Construct light duty sealed shoulders with edge lines
27	Truemans Road, Rye (stage 2) (seal shoulders Browns Rd North - Sandy Rds)	Shoulder				✓	N	Construct light duty sealed shoulders with edge lines
	Total capital expenditure		\$1,708,703	\$1,962,730	\$1,922,353	\$920,591		

1. All amounts set out in this Annexure are Indexed. The Applicable Index is the index that applies to Accelerated Works Projects.
2. Notwithstanding any discrepancy between the capital expenditure listed in this Annexure and the Component Price for Accelerated Works Projects for any Contract Year, the MSC is fixed and not subject to adjustment other than as expressly stated in the Contract. Neither party has a right to make a claim for adjustment on the grounds of such a discrepancy.
3. In this Annexure 7 "developer" means a property developer; "FCR" means Fine Crushed Rock; "PC" means Prime Cost Item; "SCS" means Special Charge Scheme.

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**Accelerated Works Program
Breakdown by Accelerated Works Projects**

A7-2 Schedule of Prices (Breakdown of Accelerated Works Program by Accelerated Works Projects)

Councillor Item No.	Asset		Asset Type	Design/Construction Details	Year 1	Year 2	Year 3	Year 4
1	Derril Road, Moorewood	(550m of Derril/Tuerong/Graydens Intersection)	Road	Xsection 4A - sealed 7m/1.5m shoulders, foam stabilised pavement, intersection drainage, g/posts, warning signs included	\$196,011	\$0	\$0	\$0
2	Waterfall Gully Road, Rosebud - STAGE 1	(300m of road 2km from Goolgowie St)	Road	SAFETY ISSUE - Construction of 300m of road (approx 2km from Goolgowie St.) adj to steep right angle corner to Kings Falls, controlled pruning of vegetation only. Xsection 4C - sealed 5m/0.5m shoulders, foam stabilised pavement, drainage g/posts, warning signs Investigate whether asphalt kerb an alternative	\$105,382	\$0	\$0	\$0
3	Melbourne Road, Rye	(seal shoulders)	Shoulder	Construct Heavy Duty Shoulders 1.5m wide between Dundas St and Canterbury Jetty Rd.	\$437,337	\$0	\$0	\$0
4	O'Neills Road, Tyabb		Shoulder	Shoulder widening from Frankston/Flinders Rd - Dandenong/Hastings Rd, no ex centre or edge lines Between 0 - 1.7km can achieve 1m on north side and 0.5m on south side, remainder of length generally 0.75m - 1m. Edge lines Investigate whether shoulder depth adequate, commercial driveways sealing (asphalt)	\$44,859	\$0	\$0	\$0
5	Main Creek Road, Main Ridge	(seal shoulders Arthurs Seat Rd-Shands)	Shoulder	Shoulder widening between Arthurs Seat Rd - Shands Rd, no ex. Centre or edge lines Between 0 -0.85km can achieve 1m on east side and 0.5m on west side, between 0.85 - 1.4m can extend to 1m on Between 0.85km - 1.4km can extend west side to 1.0m Between 1.4km - 1.7km can only achieve 0.5m on east side Between 1.7km - 1.8km can only achieve 0.5m both sides Between 1.8km - 4.12km (Shands Rd) can achieve between 0.5m - 1m both sides Allowance for tree pruning Edge lines	\$78,894	\$0	\$0	\$0
6	Dundas Street, Rye - STAGE 1	(seal shoulders Browns- Sandy)	Shoulder	Shoulder widening between Browns Road - Sandy Road Can achieve 1m widening both sides Edge lines Investigate cost of sealing intersections	\$71,660	\$0	\$0	\$0
7	Dundas Street, Rye	(designed)	Car Park	Carparking Area - (SCS) DESIGNED	\$405,722	\$0	\$0	\$0

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**Accelerated Works Program
Breakdown by Accelerated Works Projects**

Councillor Item No.	Asset		Asset Type	Design/Construction Details	Year 1	Year 2	Year 3	Year 4
8	Eramosa Road, Somerville	(designed)	Car Park	Carparking Area - (SCS) DESIGNED	\$368,838	\$0	\$0	\$0
9	Browns Road, Rye - STAGE 2	(seal shoulders Dundas-Truman)	Shoulder	West of Dundas St, local access only - no work required Shoulder widening between Dundas St - Trueman's Rd, can achieve 1m sealed shoulders all way, Replace edge lines	\$0	\$102,220	\$0	\$0
10	Browns Road, Main Ridge - STAGE 1	(seal shoulders Purves-Jetty)	Shoulder	Shoulder widening between Purves Road - Jetty Road Boneo, no centre or edge lines Can achieve 0.75m - 1m entire length both sides centre and edge lines	\$0	\$84,653	\$0	\$0
11	Bentons Road, Mt Martha	(seal shoulder industrial estate-Baxter/Tooradin)	Shoulder	Asphalt Kerb both sides - Century to Moorooduc Hwy	\$0	\$194,957	\$0	\$0
12	Boes Road, Hastings	(1600m between Graydens-Hodgins)	Road	Construction of app. 1600m of road between Graydens Road - Hodgins Road Xsection 4A - sealed 7m/1.5m shoulders, foam stabilised pavement, minor culverts, g/posts, warning signs Floodway may be required, check catchment (PC item of \$30K currently in pricing)	\$0	\$552,811	\$0	\$0
13	Hendersons Road, Bittern	(750m between Kingfauns Estate-Myers)	Road	Construction of app. 750m of road between Kingfauns Estate - Myers Rd, to join exist sealed section Subdivision adjacent and sub-divider required to construct approx 500 metres. Existing sealed section 6m and asphalt kerb with 1 way Xfall - new to match. Investigate effect of design on drainage requirements	\$0	\$310,878	\$0	\$0
14	Waterfall Gully Road, Rosebud - STAGE 2	(1100m from Goolgowie-top of hill)	Road	Construction of 1100m of road from Goolgowie St to top of hill past "suburban houses" Xsection 4C - sealed 5m/0.5m shoulders, 200mm FCR overlay Replace e/way culverts (app. 20No.), cross road culverts every 200m, spalls in table drain, g/posts, warning signs Remove 5 small trees/shrubs only to minimise delays. Investigate whether asphalt kerb an alternative, sealing of driveways	\$0	\$377,269	\$0	\$0
15	Hopetoun Avenue, Mt Martha (stage 1)	(600m between Dominion-Essex)	Road	Construction of app. 600m of road between Dominion Rd - Essex St, Mt Martha. Xsection 4B sealed 6m on 200mm FCR overlay with asphalt kerbs, drainage full length, pits both sides every 80m. Investigate additional cost of asphalt sealing	\$0	\$359,941	\$0	\$0
16	Hopetoun Avenue, Mt Martha (stage 2)	(550m between Essex-Norfolk)	Road	Construction of app. 550m of road between Essex St - Norfolk St., Mt Martha Xsection 4B sealed 6m on 200mm FCR overlay with asphalt kerbs, drainage full length, pits both sides every	\$0	\$0	\$393,052	\$0

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Council: MPSC

Revision: Ex. 1.00 version

Contractor: Moleum

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**Accelerated Works Program
Breakdown by Accelerated Works Projects**

Councillor Item No.	Asset		Asset Type	Design/Construction Details	Year 1	Year 2	Year 3	Year 4
				80m. Investigate additional cost of asphalt sealing and drainage.				
17	Hopetoun Avenue, Mt Martha (stage 3)	(750m between Norfolk-Point Nepean rd)	Road	Construction of app. 750m of road between Norfolk Street - Point Nepean Road Xsection 4B - sealed 6m on 200mm FCR overlay with asphalt kerbs, drainage full length, pits both sides every 80m. Investigate additional cost of asphalt sealing and drainage.	\$0	\$0	\$506,268	\$0
18	Shands Road, Main Ridge - STAGE 1	(700m between Mornington/Flinders-Tucks)	Road	Construction of app. 700m of road between Mornington/Flinders Rd - Tucks Rd Xsection 4B - sealed 6m w asphalt kerb but xsection varying to suit local conditions, foam stabilised pavement, SW outlets from kerb, g/posts, warning signs Structural check required on bridge - level 2 report by Bruce Mitchell completed.	\$0	\$0	\$351,525	\$0
19	Shands Road, Main Ridge - STAGE 2	(1300m between Tucks-Shoreham)	Road	Construction of app. 1400m of road between Tucks Rd - Shoreham Rd. Xsection 4B - sealed 5m/1m shoulders, foam stabilised pavement, minor culverts, g/posts, warning signs.	\$0	\$0	\$464,902	\$0
20	Browns Road, Boneo - STAGE 3	(seal shoulders Truemans-Jetty)	Shoulder	Sections of shoulder widening between Truemans Road - Jetty Road. Between 0km - 1km (Truemans Rd) heading east ex shoulders sealed to Eagle Ridge Sub. - no work required). Between 1km - 2.7km (Boneo Rd) can achieve 1m widening both sides; ex edge line may need to be reinstated. Between 2.7km - 3.55km (Old cape Schanck Rd) ex asphalt kerb on north side, can achieve 1m shoulder widening on south side only. Between 3.55km - 3.75km install asphalt kerb on to maintain consistency with existing. Between 3.75km - 5.75km ex asphalt kerb, edge lines - no work required. Edge lines as required. Investigate material depth at intersection and cost of asphalt kerb for traffic control	\$0	\$0	\$60,439	\$0
21	Dundas Street, Rye	(seal shoulders Melbourne-Browns)	Shoulder	Shoulder widening between Melbourne Rd - Browns Road, ex edge lines Can achieve 1m widening both sides Edge lines as required Investigate cost of asphalt kerb	\$0	\$0	\$82,796	\$0
22	Tyabb-Tooradin Road, Tyabb	(seal shoulders Dandenong/Hastings-Bungower)	Shoulder	Shoulder widening between Dandenong/Hastings Rd - Bungower Road, ex centre line only Can achieve 0.75m - 1m widening both sides edge line Investigate the cost of additional major patching	\$0	\$0	\$63,372	\$0

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Author: Contracts Australia

Council: MPSC

Revision: Execution version

Contractor: Emoleum

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**Accelerated Works Program
Breakdown by Accelerated Works Projects**

Councillor Item No.	Asset	Asset Type	Design/Construction Details	Year 1	Year 2	Year 3	Year 4
23	Tyabb-Tooradin Road, Somerville	Shoulder	Shoulder widening between Bungower Road - Boundary Road East, ex. Centre line only Can achieve between 0.5m - 0.75m both sides Edge lines Investigate the cost of additional major patching	\$0	\$0	\$0	\$64,289
24	Lower Somerville Road, Somerville	Road	Construction of app. 1650m of road between Bungower - Eramosa East Xsection 4B - sealed 6m/1m shoulders, foam stabilised pavement, culverts, g/posits, warning signs Investigate cost of sealing intersections	\$0	\$0	\$0	\$378,323
25	Graydens Road, Moorooduc	Road	Construction of app. 1200m of road between Derrills Rd (east end of dam wall) - Lodders Rd Xsection 4B - sealed 6m/1m shoulders, foam stabilised pavement, culverts, g/posits, warning signs	\$0	\$0	\$0	\$244,487
26	Truman's Rd - STAGE 1	Shoulder	Shoulder widening between Point Nepean Road (Wilkinson St) - Browns Road North Between 0.3km - 1.5km can achieve 0.5m - 0.75m both sides Between 1.5km - 3.4km can achieve 1m both sides edge lines	\$0	\$0	\$0	\$107,034
27	Truman's Road, Rye - STAGE 2	Shoulder	Shoulder widening between Browns Rd North - Sandy Road (2.2km) - 5km can achieve m widening both sides Edge lines	\$0	\$0	\$0	\$126,459
Total capital expenditure during the Accelerated Works Period				\$1,708,703	\$1,962,730	\$1,922,353	\$920,591

This Schedule of Prices (Breakdown of Accelerated Works Program by Accelerated Works Projects) is included in the Contract for the purposes only of:

- (a) understanding the scope of each Accelerated Works Project in the absence of any detailed design documentation;
- (b) determining the value of an individual Accelerated Works Project to enable substitution of one Accelerated Works Project with another of equivalent value under the provisions of the Contract relating to Third Party Funded Works; and
- (c) valuing any Variation to an Accelerated Works Project.

The stated value of an Accelerated Works Project does not include the cost of Design & Investigation Services, except in the case of AWP Job 14.

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Annexure 8

Ordered Work Conditions

Safer Local Roads
Contract No.1218



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Annexure 8 – Ordered Work Conditions

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Annexure 8 – Ordered Work Conditions

A8-1 Status of this Annexure

The conditions set out in this Annexure (together with all applicable terms of the Safer Local Roads Contract) are incorporated in and apply to every Work Order issued in accordance with the Safer Local Roads Contract. In the event of any inconsistency between these conditions and the terms of the Safer Local Roads Contract, these conditions prevail.

A8-2 Definitions

Unless the context requires otherwise:

- .1 terms defined in the Safer Local Roads Contract have the same meanings when used in these conditions or in any Work Order Document; and
- .2 the following defined terms apply in these conditions:

Date for Completion means, with respect to any Ordered Work, the Date or Dates for Completion identified in the Work Order Documents, as extended from time to time in accordance with clause A8-12 (Extensions of time).

Project Works means Ordered Work involving the performance of a single capital works project at a single location (usually for the creation of a New Asset or for the reconstruction of an existing Asset).

Safer Local Roads Contract means the contract between the Shire and the Contractor so titled and dated 30 June 2006.

Site means the site or sites to be handed over by the Shire to the Contractor for the performance of the Ordered Work.

Work Order Period means, with respect to any Ordered Work, the period identified in the Work Order Documents as the Work Order Period, as extended from time to time in accordance with clause A8-12 (Extensions of time).

A8-3 Mutual obligations

The mutual obligations of the parties under each Work Order are as follows:

- .1 the Contractor is to carry out and Complete the Ordered Work in accordance with the Work Order Documents,
- .2 the Shire is to provide access to the site of the Ordered Work and not to do anything to prevent or hinder the Contractor in the proper performance of the Ordered Work,

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- .3 both parties are to give the highest priority to safety, and
- .4 both parties are to work together to ensure that, as regards matters within their respective control, all Ordered Work is carried out and Completed within the price agreed and set out in the Work Order.

A8-4 Representation

- A8-4.1 Each party must appoint a competent person to represent it in relation to the Ordered Work. The initial representatives of the parties and their contact details should be notified in the Work Order Documents but if they are not, each party must promptly provide notice to the other party of the name and contact details of its nominated representative.
- A8-4.2 Any change to the identity or contact details of a representative must be notified promptly to the Superintendent (in the case of a change to the Contractor's representative) and to the Contract Manager (in the case of a change to the Shire's representative).
- A8-4.3 The Shire's representative appointed under this clause may exercise any powers conferred on the Superintendent by these conditions or the Safer Local Roads Contract with respect to the Ordered Work.

A8-5 Commencement & progress

- A8-5.1 The Contractor is to commence the Ordered Work within the period or on the date, if any, specified in the Work Order, unless otherwise agreed.
- A8-5.2 The Contractor is to:
 - .1 carry out the Ordered Work in a timely and expeditious manner, and
 - .2 where the Work Order specifies a Date or Dates for Completion, Complete the Ordered Work by those dates, and
 - .3 where the Work Order specifies a Work Order Period, Complete the whole of the Ordered Work within the Work Order Period.
- A8-5.3 Both parties are responsible for early notification of events or circumstances likely to delay the progress of the Ordered Work.

A8-6 Care of Project Works

- A8-6.1 The Contractor is solely responsible for loss or damage to any Project Works (and all plant, materials, equipment and things necessary for carrying out the Project Works, including things provided by the Shire for the purposes of the Project Works)

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from the time of commencement of the Project Works to the Date of Completion.

- A8-6.2 After the Date of Completion of any Project Works, the Contractor remains responsible for loss or damage connected with the Project Works but only to the extent arising out of performing variations, making good defects, and removing materials from the Site.
- A8-6.3 The Contractor's liability under clauses A8-6.1 and A8-6.2 is reduced to the extent that that an Excepted Risk contributes to the loss or damage.

A8-7 Managing Ordered Work

- A8-7.1 Subject to the terms of the Work Order, the Contractor must establish and maintain all systems, plans and procedures required to manage, meet and control all obligations imposed on it by Law with respect to the Ordered Work.
- A8-7.2 The Contractor must manage the quality and performance of its obligations under or in relation to the Work Order. This includes doing all testing and other things necessary to demonstrate conformance with its systems, plans and procedures.
- A8-7.3 The Contractor must retain records produced in carrying out the Ordered Work and in complying with its systems and make them available to the Shire in accordance with the terms of the Work Order Documents.
- A8-7.4 The Superintendent may do any one or more of the following in relation to any Ordered Work:
- .1 Conduct audits, surveillance and testing to verify that the Contractor's management systems and plans are effective.
 - .2 Test materials or other components or parts of the Ordered Work (even if the Contractor is also doing the same tests).
 - .3 Direct the Contractor not to cover up any work or make it inaccessible without prior approval.
 - .4 Nominate any point in a work process as a Witness Point or Hold Point.
 - .5 As part of an audit, direct the Contractor to open up or pull down any completed work and to reinstate it later.

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Ordered Work Conditions

A8-7.5 The Shire must reimburse the Contractor for all costs the Contractor reasonably incurs in pulling down or opening up and then reinstating any completed work for the purposes of an audit unless:

- .1 the audit shows that the audited work was not carried out in compliance with the Work Order Documents, or
- .2 the work was covered up in breach of a Hold Point or Witness Point or a direction given under clause A8-7.4.3 or another provision of the Work Order Documents.

A8-7.6 Management systems & plans are a tool to demonstrate compliance with the Work Order Documents and as applicable the requirements of good practice and Law. They do not in any way limit a party's obligations under or in relation to the Work Order.

A8-8 Directions

The Contractor must comply with directions of the Superintendent in carrying out its obligations under and in relation to the Work Order.

A8-9 Variations

A8-9.1 The Superintendent may direct the Contractor to carry out a variation with respect to any Ordered Work. A variation directed under this clause may involve the performance of additional work or an increase, decrease, change to the quality or manner of performance or an omission of any part of the Ordered Work.

A8-9.2 The Contractor must comply with a variation direction issued under this clause A8-9 (Variations).

A8-9.3 All variations to Ordered Work will be valued in accordance with the provisions of the Safer Local Roads Contract applicable to Variations directed by the Superintendent.

A8-10 Latent conditions

A8-10.1 If the Contractor encounters on the site of any Ordered Work or its surroundings a physical condition (other than a climatic condition or a condition arising from climatic conditions) including an artificial obstruction ('Latent Condition'), which:

- .1 differs materially from the conditions it could reasonably have anticipated at the time of pricing the Ordered Work having regard to the Contractor's knowledge of the Network at the time, the information provided to it for the purpose of pricing and any information ascertainable by the making of reasonably available enquiries; and

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- .2 affects its ability to carry out, or its costs of carrying out, the Ordered Work,

the Contractor may request a Variation to overcome the effects of the Latent Condition.

A8-10.2 Wherever possible, the Contractor is to notify the Superintendent immediately after encountering the Latent Condition and ideally before the Latent Condition is disturbed.

A8-10.3 The nature and amount of a Variation under this clause are to be determined by agreement between the parties' representatives and failing agreement, by the Superintendent.

A8-11 Not used

A8-12 Extensions of time

- A8-12.1 The Contractor is entitled to claim an extension of time to any Date or Dates for Completion or to any Work Order Period if:
- .1 the Contractor is delayed in meeting the Date for Completion or is unable to Complete the Ordered Work within the Work Order Period because of an Excusing Event,
 - .2 the delay starts before the Date for Completion or before the expiry of the Work Order Period (as the case may be),
 - .3 notice of the delay (or delaying event) has been given to the Shire's Representative in a timely manner after the event and its likely effects are known,
 - .4 the Contractor has taken reasonably available steps to minimise the duration and effects of the delay,
 - .5 the Contractor has made a written submission to the Shire's Representative setting out details of the delay, its causes and the amount of extra time claimed, and
 - .6 the Superintendent considers that an extension of time is justified.
- A8-12.2 The approval and duration of any extension of time must be notified to the Contractor by the Superintendent.
- A8-12.3 Extensions of time for Ordered Work may extend a Date for Completion or a Work Order Period beyond the end of the Contract Term.
- A8-12.4 The Superintendent may also grant an extension of time at any time and for any reason.

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- A8-12.5 The parties acknowledge that timely identification of disruptive or delaying events is beneficial to both parties and consistent with the SLR Objectives. Both parties agree to keep the Service Management Team informed of things that may delay or disrupt the progress of any of the Services.

A8-13 Costs of delays

- A8-13.1 Subject to this clause A8-13 (Costs of delays), the Contractor may claim compensation for the direct cost impacts of any delay to Ordered Work caused solely by a direction or a breach of contract or negligent or wrongful act or omission on the part of the Shire or an Agent of the Shire. The Contractor must endeavour to keep any such cost impacts to a minimum.
- A8-13.2 The Contractor is not entitled to claim or receive any compensation under clause A8-13.1 if and to the extent that the delay arose out of or as a result of a direction or any other action considered by the Shire or the Shire's Agent to be necessary or desirable due to an act, omission, default or unauthorised conduct by the Contractor or any of its Agents.
- A8-13.3 To be eligible to claim compensation under clause A8-13.1, the Contractor must:
- .1 be entitled to claim and be granted an extension of time under clause A8-12 (Extensions of time), and
 - .2 submit full details of its costs claim to the Superintendent within 5 Business Days of the date of notification of the extension of time under clause A8-12 (Extensions of time), and
 - .3 be able to demonstrate to the reasonable satisfaction of the Superintendent that the costs claimed were incurred as a direct and sole result of the direction or breach of contract or other action by the Shire or an Agent of the Shire and were not due in any respect to a failure by the Contractor to comply with the Contract or to manage its affairs so as to minimise the impact of any delay.
- A8-13.4 Clause A8-13.1 is the Contractor's sole and entire entitlement to compensation for the cost impacts of any delay to Ordered Work.

A8-14 Completion obligations

- A8-14.1 On Completion of the Ordered Work, the Contractor must provide to the Superintendent:
- .1 "as constructed" drawings and bills of quantities in respect of New Assets created as part of the Ordered Work (Project Works only) (to be provided in digital format);

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- .2 all materials, documentation and things produced as part of the Ordered Work and not required to be retained by the Contractor for the performance of the Services; and
- .3 all items and things provided by the Shire to the Contractor for the purposes of carrying out the Ordered Work (other than items and things used up in the process of carrying out the Ordered Work or required to be retained by the Contractor for the performance of the Services).

A8-14.2 On Completion, the Shire's representative must issue a certificate of Completion in, or substantially in the form set out in schedule A8-1 (Form of Completion Certificate).

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Schedule A8-1 – Form of Completion Certificate

Schedule A8-1 – Form of Completion Certificate

Form of completion certificate

[Shire letterhead]

[Date]

[Contractor name]

SAFER LOCAL ROADS CONTRACT - ORDER No. XXXXXX
 WORK ORDER FOR [WORK DESCRIPTION]

I hereby certify that the above Ordered Work is Complete.

The following details are confirmed:

- 1 The Date of Completion was [xxx].
- 2 The final cost of the Ordered Work (including variations) was [xxx].
- 3 The Defects Liability Period is [xxx] commencing on the Date of Completion.

Yours sincerely,
 [for the Superintendent]

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Annexure 9

Asset & Network description

Safer Local Roads
Contract No.1218



**MORNINGTON
PENINSULA**
Shire

**COMMITTED TO A
SUSTAINABLE
PENINSULA**



Annexure 9 – Asset & Network description

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Annexure 9 – Asset & Network description

A9-1 This Annexure

This annexure comprises this document and the contents of the CD-Rom identified as "Annexure 9 CD-ROM" and initialled for identification by the parties.

A9-2 Contents of CD-Rom

The contents of the CD-Rom are the documents titled:

A9-2.1 Assets Summary 2006-09-11

A9-2.2 Grading Program – roads summary

This document is also schedule A4-1 (Scope of unsealed roads grading program).

A9-2.3 Network sections 2006-09-11

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