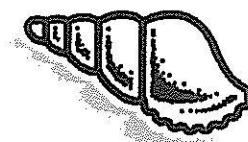


# Annexure 4

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## Activities & Routine Maintenance Services

Safer Local Roads  
Contract No.1218



**MORNINGTON  
PENINSULA**  
*Shire*

**COMMITTED TO A  
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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## Activities &amp; Routine Maintenance Services

## 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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## Activities & Routine Maintenance Services

### 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 &amp; 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: <b>EMERGENCY PAVEMENT REPAIRS</b>	Code: <b>PER</b>

#### A4-5. Emergency pavement repairs (PER)

<b>ACTIVITY DEFINITION</b> <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>

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>
<p>Potholes, delamination, patches, corrugation, shoving, rutting, depressions or "flushing" causing a reported significant safety hazard.</p>

<b>PERFORMANCE CRITERIA</b> <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>

<b>ACTIVITY STANDARDS</b> <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>

<b>CONTRACT FORMAT</b>	<b>WORK UNIT</b>
Lump Sum	m <sup>2</sup>

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>1. Notify Superintendent if remedial work cannot provide safe conditions for expected traffic for a minimum period of at least 48 hours.</li> <li>2. Notify Superintendent if road closure is required for a period exceeding 4 hours.</li> <li>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).</li> <li>4. Execute necessary works as soon as possible utilising abnormal work hours when appropriate to expedite completion of the work.</li> <li>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.</li> <li>6. For repairs on Class C &amp; D Roads where over night signage can be provided the works can be</li> </ol>

**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 UNIT**m<sup>2</sup>**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: <b>GRADING UNSEALED ROADS</b> Code: <b>PGU</b>
------------------------	--

## A4-6. Grading unsealed roads (PGU)

<b>ACTIVITY DEFINITION</b> <i>(What work is included?)</i>	
<p>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.</p>	

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>	
<p>Potholes, corrugations, channels, scouring, rutting, shoving, coarse materials, loose materials.</p>	

<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>	
<p>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.</p>	

<b>ACTIVITY STANDARDS</b> <i>(What is required?)</i>							
<table border="0"> <tr> <td style="vertical-align: top;">Lateral Drainage:</td><td>Crossfall on straights is to be between 3 and 6 percent directly after grading.</td></tr> <tr> <td style="vertical-align: top;">Surface Defects:</td><td>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.</td></tr> <tr> <td style="vertical-align: top;">Drainage:</td><td>The invert level in table drains is to be &gt;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.</td></tr> </table>		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.
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.						

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>	<b>WORK UNIT</b>
<p align="center">Lump Sum &amp; SOR</p>	<p align="center">Lane km</p>

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>	
<p>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.</p>	

**Activity Specifications**  
**Grading unsealed roads (PGU)**

Activity:

Code:

ACTIVITY SPECIFICATION

GRADING UNSEALED ROADS

PGU

**WORK METHOD REQUIREMENTS** *(Contractor's undertaking to provide quality)*

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**

*Included in MSC (LS)  
 Schedules of Rates (SOR)  
 Dayworks Rates (DW)*

Delivery of approved grading program is included in MSC

SOR applies for all other grading of unsealed roads.

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Personal Information

**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:	Code:
	POTHOLE REPAIR	PPR

#### 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 <math>\pm 10\text{mm}</math> 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"> <li>For coldmix repairs use a tack coat on base and sides of pothole.</li> <li>For asphalt on gravel pavement provide light and uniform tackcoat.</li> <li>For coldmix patches provide a light "blinding" with sand.</li> <li>For granular material patches provide two coat emulsion seal with 7mm aggregate to extend at least 100mm onto the existing surface.</li> <li>The surface when completed shall match the adjoining in texture and colour. i.e. asphalt to asphalt.</li> </ol>

**Activity Specifications**  
**Pothole repair (PPR)**

Activity:

Code:

<b>ACTIVITY SPECIFICATION</b>	<b>POTHOLE REPAIR</b>	<b>PPR</b>
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<b>SPECIAL REQUIREMENTS</b>	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.
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<b>NOMINATED HOLD POINTS</b>	Not Applicable
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<b>METHOD OF PAYMENT</b>	Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)	Included in MSC
--------------------------	---	-----------------

<b>WORK UNIT</b>	Not applicable
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<b>UNITS OF MEASURE IF SCHEDULE OF RATES</b>	Not applicable
--	----------------

<b>PERFORMANCE REQUIREMENTS</b>		
<b>Asset</b>	<b>Intervention Level</b>	<b>Response Time</b>
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: <b>POTHOLE REPAIR</b> <div style="float: right;">Code: <b>PPR</b></div>
------------------------	---

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)

<b>ACTIVITY SPECIFICATION</b>	<b>Activity:</b>	<b>Code:</b>
	<b>RESHEETING UNSEALED ROADS</b>	<b>PRU</b>

## A4-8. Resheeting unsealed roads (PRU)

<b>ACTIVITY DEFINITION</b> <i>(What work is included?)</i>
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.
Dust suppression is covered under Activity NDS.

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>
Channels, Corrugations, Rutting, Shoving, Potholing.

<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>
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.

<b>ACTIVITY STANDARDS</b> <i>(What is required?)</i>
<p><b>Lateral Drainage:</b> Crossfall on straights is to be between 5% and 6% directly after resheet.</p> <p><b>Surface Defects:</b> The surface should be free of surface defects such as channels, corrugations, rutting, shoving or soft spots directly after resheet.</p> <p><b>Drainage:</b> 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>

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Resource Rate Item?)</i>
---

SOR

<b>WORK UNIT</b>
------------------

Lane km

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>Minimum depth of imported granular material is 100mm compacted.</li> <li>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.</li> </ol>

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**Activity Specifications**  
**Resheeting unsealed roads (PRU)**

Activity:

Code:

<b>ACTIVITY SPECIFICATION</b>	<b>RESHEETING UNSEALED ROADS</b>	<b>PRU</b>
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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.

<b>METHOD OF PAYMENT</b>	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	<b>Schedule of Rates</b>
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<b>WORK UNIT</b>	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<sup>2</sup>

Contract No: 1218	Council: MPSC	Contractor: Emoleum
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Activity Specifications  
Local shape correction (PSC)

ACTIVITY SPECIFICATION	Activity: LOCAL SHAPE CORRECTION	Code: PSC
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## A4-9. Local shape correction (PSC)

<b>ACTIVITY DEFINITION</b> <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 <math>\leq 25\text{m}^2</math>. 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>

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>
Shoving, depressions, corrugations.

<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>
Shape correction provides an improvement in surface drainage and ride quality. It provides a safer driving surface.

<b>ACTIVITY STANDARDS</b> <i>(What is required?)</i>
<p>Ride Quality: The resultant surfacing should have a test result under a 3m straight edge of <math>\leq 15\text{mm}</math> in any direction.</p> <p>Rutting: Immediately after treatment rutting under a 1.2m straight edge should be <math>\leq 10\text{mm}</math>.</p>

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

<b>WORK UNIT</b>
$\text{m}^2$

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>

**Activity Specifications**  
**Local shape correction (PSC)**

Activity:

Code:

<b>ACTIVITY SPECIFICATION</b>	<b>LOCAL SHAPE CORRECTION</b>	<b>PSC</b>
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<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<p>3. If the work requires linemarking, permanent reflective spotting is to be provided and permanent linemarking placed with three (3) days.</p> <p>4. The flushing of bitumen spraying equipment shall be contained such that waste can be returned to the depot for responsible disposal.</p>

<b>SPECIAL REQUIREMENTS</b>
<p>Work adjacent to traffic signals shall require specific attention to traffic detector loops in the pavement so as to avoid damage to these loops.</p> <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>

<b>NOMINATED HOLD POINTS</b>
Not Applicable

<b>METHOD OF PAYMENT</b>	<i>Included in MSC (LS) Schedules of Rates (SOR) Daywork Rates (DW)</i>	<b>Included in MSC</b>
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<b>WORK UNIT</b>	m <sup>2</sup>
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<b>UNITS OF MEASURE IF SCHEDULE OR RATES</b>
<p>Local shape correction with sprayed seal surface per square metre.</p> <p>Local shape correction with asphalt surface per square metre.</p>

<b>PERFORMANCE REQUIREMENTS</b>		
<b>Asset</b>	<b>Intervention Level</b>	<b>Response Time</b>
D Roads	Any distressed pavement up to 25m <sup>2</sup> in area per segment and deformation >40mm.	120 days
	Any distressed pavement up to 25m <sup>2</sup> 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 <sup>2</sup> in area per segment and deformation >40mm.	90 days

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**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 <sup>2</sup> 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 <sup>2</sup> in area per segment and deformation >40mm.	60 days
	Any distressed pavement up to 25m <sup>2</sup> 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 <sup>2</sup> in area per segment and deformation >40mm.	30 days
	Any distressed pavement up to 25m <sup>2</sup> in area per segment and deformation >75mm. (except at bridge abutments and culverts where deformation >40mm)	24 hrs



**Activity Specifications**  
**Pavement sweeping (PSW)**

ACTIVITY SPECIFICATION	Activity:	Code:
	<b>PAVEMENT SWEEPING</b>	<b>PSW</b>

## A4-10. Pavement sweeping (PSW)

<b>ACTIVITY DEFINITION</b> <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>

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <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>

<b>PERFORMANCE CRITERIA</b> <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>

<b>ACTIVITY STANDARDS</b> <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>

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

<b>WORK UNIT</b>
m <sup>2</sup>

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>1. Establish traffic control and job safety.</li> <li>2. Sweeping operations shall ensure that debris does not enter the storm water drainage system.</li> <li>3. All debris is to be removed and disposed of legally and responsibly.</li> <li>4. If approved, material may be recycled in accordance with the principles set out in clause A3-30 (Sustainability).</li> </ol>

<b>METHOD OF PAYMENT</b>	<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

m<sup>2</sup>

## 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)

<b>ACTIVITY DEFINITION</b> <i>(What work is included?)</i>
This activity covers the application of dust suppression additives to nominated road surfaces.

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <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.

<b>PERFORMANCE CRITERIA</b> <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.

<b>ACTIVITY STANDARDS</b> <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.

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

<b>WORK UNIT</b>
m <sup>2</sup>

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>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.</li> <li>2. Prior to commencing works, the Contractor must provide written notice to all adjoining landowners.</li> </ol>

**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 UNIT**m<sup>2</sup>**UNITS OF MEASURE IF SCHEDULE OF RATES**

Not applicable

Activity Specifications  
Edge break repair (SEB)

ACTIVITY SPECIFICATION	Activity: <b>EDGE BREAK REPAIR</b>	Code: <b>SEB</b>
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## A4-12. Edge break repair (SEB)

<b>ACTIVITY DEFINITION</b> <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>	

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>	
Cracking, edge break, edge drop off, shoving.	

<b>PERFORMANCE CRITERIA</b> <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>	

<b>ACTIVITY STANDARDS</b> <i>(What is required?)</i>	
<p><b>Permeability:</b> The surfacing within 200mm of the edge should exhibit at least equivalent water resistance to the rest of the surfaced pavement.</p> <p><b>Ride Quality:</b> Longitudinally the edge should comply with a 3m straight edge test result less than <math>\pm 20\text{mm}</math>.</p> <p>Transversely the straight edge test result at the edge of seal should be less than <math>\pm 20\text{mm}</math> under a 1.2m straight edge.</p>	

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>	<b>WORK UNIT</b>
Lump Sum	Lineal m

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>	
Not applicable	

**Activity Specifications**  
**Edge break repair (SEB)**

<b>ACTIVITY SPECIFICATION</b>	<b>Activity:</b> <b>EDGE BREAK REPAIR</b>	<b>Code:</b> <b>SEB</b>
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<b>SPECIAL REQUIREMENTS</b>	
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.	

<b>NOMINATED HOLD POINTS</b>	

<b>METHOD OF PAYMENT</b>	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DR)</i>	Included in MSC
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<b>WORK UNIT</b>	Lineal m
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<b>UNITS OF MEASURE IF SCHEDULE OF RATES</b>
Not applicable

<b>PERFORMANCE REQUIREMENTS</b>		
<b>Asset</b>	<b>Intervention Level</b>	<b>Response Time</b>
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)**

<b>ACTIVITY SPECIFICATION</b>	Activity: <b>GRADING UNSEALED SHOULDERS</b>	Code: <b>SGU</b>
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### A4-13. Grading unsealed shoulders (SGU)

<b>ACTIVITY DEFINITION</b> <i>(What work is included?)</i>	
<p>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.</p>	

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>	
<p>Edge break, edge drop off excessive shoulder cross fall and shoulder rutting.</p>	

<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>	
<p>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.</p> <p>The activity ensures the elimination of "drop off" at the edge of seal or asphalt.</p>	

<b>ACTIVITY STANDARDS</b> <i>(What is required?)</i>									
<table border="0"> <tr> <td style="vertical-align: top;">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 style="vertical-align: top;">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 style="vertical-align: top;">Drainage:</td><td>Drainage shall be effective and typically the invert level in table drains is to be <math>\geq 300\text{mm}</math> below the surface at the edge of formation directly after grading unless prohibited by the topography.</td></tr> <tr> <td style="vertical-align: top;">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.								

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>	<b>WORK UNIT</b>
Lump Sum	Shoulder km

**Activity Specifications**  
**Grading unsealed shoulders (SGU)**

ACTIVITY SPECIFICATION	Activity:	Code:
	GRADING UNSEALED SHOULDERS	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 SPECIFICATION	<div style="display: flex; justify-content: space-between;"> <span>Activity:</span> <span>Code:</span> </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;">RESHEETING UNSEALED SHOULDERS</div> <div style="border: 1px solid black; padding: 2px;">SRU</div> </div>
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#### A4-14. Resheeting unsealed shoulders (SRU)

ACTIVITY DEFINITION <i>(What work is included?)</i>	<p>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.</p>
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PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>	<p>Edge break, edge drop off, excessive shoulder cross fall, unsuitable shoulder material quality, surface defects.</p>
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PERFORMANCE CRITERIA <i>(Why do we do it?)</i>	<p>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.</p>
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ACTIVITY STANDARDS <i>(What is required?)</i>	<table border="0"> <tr> <td style="vertical-align: top;">Lateral Drainage:</td><td>Crossfall on straights is to be between 4% and 6% directly after resheet.</td></tr> <tr> <td style="vertical-align: top;">Surface Defects:</td><td>The surface is to be tight and compact and free of defects in shape or soft spots.</td></tr> <tr> <td style="vertical-align: top;">Drainage:</td><td>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.</td></tr> <tr> <td style="vertical-align: top;">Shape:</td><td>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.</td></tr> <tr> <td style="vertical-align: top;">Vegetation</td><td>Shoulder free of weeds, grass and other vegetation.</td></tr> </table>	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.
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 RATES**MATERIAL 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: <b>LOCAL SCOUR REPAIR</b> Code: <b>SSR</b>
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### A4-15. Local scour repair (SSR)

<b>ACTIVITY DEFINITION</b> <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>

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>
<p>Erosion, scour, siltation.</p> <p>Damaged or rotted timbers.</p> <p>Dislodged crib units.</p>

<b>PERFORMANCE CRITERIA</b> <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>

<b>ACTIVITY STANDARDS</b> <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>

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
<p>Lump Sum, except as specified</p>

<b>WORK UNIT</b>
<p>m<sup>2</sup></p>

**Activity Specifications**  
**Local scour repair (SSR)**

Activity:

Code:

<b>ACTIVITY SPECIFICATION</b>	<b>LOCAL SCOUR REPAIR</b>	<b>SSR</b>
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<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>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.</li> <li>Any commercial product utilised to provide erosion resistance will be installed in accordance with manufacturer's instructions.</li> <li>Do not move fill material over existing vegetation if this can be avoided.</li> <li>Any debris or excavated material will be disposed of legally and responsibly.</li> <li>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.</li> </ol>

<b>NOMINATED HOLD POINTS</b>
Not applicable

<b>METHOD OF PAYMENT</b>	<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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<b>WORK UNIT</b>	m <sup>2</sup>
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<b>UNITS OF MEASURE IF SCHEDULE OF RATES</b>
Not applicable

<b>PERFORMANCE REQUIREMENTS</b>		
<b>Asset</b>	<b>Intervention Level</b>	<b>Response Time</b>
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)

<b>ACTIVITY DEFINITION</b> <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-MSC 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>

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>
Scour (erosion), stepping, major cracking, siltation, vegetation and flooding.

<b>PERFORMANCE CRITERIA</b> <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.

<b>ACTIVITY STANDARDS</b> <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.

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

<b>WORK UNIT</b>
Lineal m/Number of Outfalls

**Activity Specifications**  
**Minor repair lined drains (DLD)**

ACTIVITY SPECIFICATION	Activity: <b>MINOR REPAIR LINED DRAINS</b>	Code: <b>DLD</b>
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<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>	
<ol style="list-style-type: none"> <li>Repairs where practical shall be programmed during dry weather.</li> <li>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.</li> <li>The work shall match the materials and geometry of the surrounding drain construction and surfaces shall align to a tolerance of <math>\pm 15\text{mm}</math>.</li> <li>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.</li> <li>When concrete is utilised it shall provide for a nominal compressive strength of 20 MPa unless specifically varied with Service Management Team's approval.</li> <li>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.</li> <li>Large voids or scours (volumes <math>&gt; 1\text{m}^3</math>) 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.</li> </ol>	

<b>NOMINATED HOLD POINTS</b>	
Not applicable	

METHOD OF PAYMENT	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Included in MSC (except as stated).
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WORK UNIT	Lineal m/Number of Outfalls.
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<b>UNITS OF MEASURE IF SCHEDULE OF RATES</b>	
Not applicable	

<b>PERFORMANCE REQUIREMENTS</b>		
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)**

<b>ACTIVITY SPECIFICATION</b>	Activity: <b>CLEAR OPEN DRAINS</b>	Code: <b>DOD</b>
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### A4-17. Clear open drains (DOD)

#### ACTIVITY DEFINITION *(What work is included?)*

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.

Chemical spraying in open drains may be undertaken following Service Management Team approval.

Clearing in natural watercourses is only to be undertaken with the submission and approval of a site specific work plan.

#### PERFORMANCE DISTRESS & DEFECTS *(What do we look for?)*

Scour, erosion, siltation, blockage due to vegetation and flooding.

#### PERFORMANCE CRITERIA *(Why do we do it?)*

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.

To keep ocean outfalls operational at all times.

#### ACTIVITY STANDARDS *(What is required?)*

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.

Erosion shall be minimised.

Out fall drains to be fully operational with full capacity to discharge to the Bay.

#### CONTRACT FORMAT *(Is it a Lump Sum, SOR or Dayworks Rate Item?)*

Lump Sum

#### WORK UNIT

Lineal m



**Activity Specifications**  
**Clear open drains (DOD)**

ACTIVITY SPECIFICATION	Activity: <b>CLEAR OPEN DRAINS</b>	Code: <b>DOD</b>
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<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<p><b>OPEN DRAINS</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>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.</li> <li>Ensure turn out drains direct drainage along a contour to assist in flow dispersal.</li> <li>Avoid damage to appropriately grassed drains, reseed as required to maintain grass cover.</li> <li>Drains are to be located by GPS and must be entered into the Asset Inventory, if they are not already recorded.</li> </ol> <p><b>NATURAL WATERCOURSES</b></p> <ol style="list-style-type: none"> <li>Clear when flow is obstructed by trees or other vegetation after submission and approval of a site specific work plan developed by the Contractor.</li> <li>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.</li> <li>Ensure surface and ground waters are not polluted by complying with clause A3-32 (Protection of the Environment and heritage).</li> <li></li> </ol> <p><b>BAY OUTFALL MAINTENANCE</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>Ocean outfalls on Western Port Bay shall be inspected on a two (2) monthly cycle.</li> <li>Upon discovery or following report from a customer, the ocean outfall shall be cleared to achieve the Activity Standards.</li> </ol>

<b>NOMINATED HOLD POINTS</b>
<ol style="list-style-type: none"> <li>Hold Point (SMT) at commencement of contract to obtain approval to inspection program for drains.</li> <li>Hold Point (SMT) for submission and approval of a work plan for work within any watercourses.</li> <li>Hold Point (SMT) for approval for chemical spraying in open drains.</li> </ol>

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)

<b>ACTIVITY SPECIFICATION</b>	<b>Activity:</b> <b>PIT /DRAINAGE STRUCTURE REPAIR</b>	<b>Code:</b> <b>DPR</b>
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### A4-18. Pit/drainage structure repair (DPR)

<b>ACTIVITY DEFINITION</b> <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.

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>
Damaged pit, pit cover, lintels, pit frame, interrupted drainage flow, hazard to vehicles, cyclists or pedestrian traffic.

<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>
To maintain uninterrupted drainage flow with optimum performance of pit without hazard to the public.

<b>ACTIVITY STANDARDS</b> <i>(What is required?)</i>
Repairs maintain flow characteristics of pit and drainage. Repairs maintain safety for the public.

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum - Repairs SOR - Pit/Structure Replacements

<b>WORK UNIT</b>
No.

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>1. Where required, landowners to be notified.</li> <li>2. Repairs to pits and structures to be done in accordance to the Specification for Road and Drainage Works and the Standard Drawings.</li> <li>3. All debris to be removed from vicinity of work and disposed of in an approved manner.</li> </ol>

<b>METHOD OF PAYMENT</b>	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:

Code:

ACTIVITY SPECIFICATION

**PIT /DRAINAGE STRUCTURE REPAIR****DPR**

WORK UNIT

Culvert – Lin m.  
Pit Repair – Number.

**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)

<b>ACTIVITY SPECIFICATION</b>	Activity:	Code:
	<b>RETARDING BASIN MAINTENANCE</b>	<b>NRB</b>

### A4-19. Retarding basin maintenance (NRB)

<b>ACTIVITY DEFINITION</b> <i>(What work is included?)</i>
This activity covers the routine inspections and maintenance of all retarding basins including silt traps.

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>
Inlets, outlets and silt traps blocked with weed growth and/or litter.

<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>
To ensure that retarding basins are fully operational at all times.

<b>ACTIVITY STANDARDS</b> <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.

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, or Dayworks Rate Item?)</i>	<b>WORK UNIT</b>
Lump Sum	Not applicable

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>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.</li> <li>2. Attend at each retarding basin in accordance with the approved inspection schedule and record any action required.</li> <li>3. Clear inlets and outlets of weed growth, litter, debris and any other foreign matter.</li> <li>4. Inspect and clean any silt traps</li> <li>5. Undertake mechanical removal of silt from 2 nominated silt traps within retarding basins each year and dispose of silt to an approved site.</li> <li>6. Periods of heavy rain can increase the frequency of inspections and clearing required and the Contractor must respond appropriately.</li> </ol>

<b>METHOD OF PAYMENT</b>	<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	Activity: <b>RETARDING BASIN MAINTENANCE</b> Code: <b>NRB</b>
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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)**

<b>ACTIVITY SPECIFICATION</b>	<div>Activity: <b>STORMWATER/DRAINAGE PUMPS</b></div> <div>Code: <b>NDP</b></div>
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## A4-20. Stormwater and drainage pumps (NDP)

<b>ACTIVITY DEFINITION</b> <i>(What work is included?)</i>	
This activity covers routine inspections and maintenance of stormwater pumps and drainage pumps.	

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>	
Pumps non operational. Sumps silted up and require cleaning Electrical malfunction	

<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>	
Pumps shall be operational and free of silt at all times.	

<b>ACTIVITY STANDARDS</b> <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.	

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, or Dayworks Rate Item?)</i>	<b>WORK UNIT</b>
Lump Sum	Not applicable

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>	
<ol style="list-style-type: none"> <li>Attend at each pump and conduct inspections and tests on a 3 monthly cycle and report on Condition.</li> <li>Check pits for silting and blockages and remove any debris.</li> <li>Maintain all mechanical parts necessary to keep all pumps operational.</li> <li>Maintain contactors, control gear and switchboard in good working order.</li> <li>Attend at all callouts within the applicable Response Times.</li> <li>Undertake auxiliary pumping when necessary to prevent damage to surrounding Assets.</li> <li>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.</li> </ol>	

**Activity Specifications**  
**Stormwater/drainage pumps (NDP)**

Activity:

Code:

**ACTIVITY SPECIFICATION****STORMWATER/DRAINAGE PUMPS****NDP****WORK METHOD REQUIREMENTS** *(Contractor's undertaking to provide quality)*

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:
- 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**

*Included in MSC (LS)*  
*Schedules of Rates (SOR)*  
*Dayworks Rates (DW)*

Included in MSC

**WORK UNIT**

Not applicable

**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



Activity Specifications  
Bridge and major culvert maintenance (NBM)

ACTIVITY SPECIFICATION

Activity:

Code:

**BRIDGE & MAJOR CULVERT MAINTENANCE****NBM****A4-21. Bridge and major culvert maintenance (NBM)****ACTIVITY DEFINITION** *(What work is included?)*

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.

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.

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.

**PERFORMANCE DISTRESS & DEFECTS** *(What do we look for?)*

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.

Poor delineation and safety matters.

**PERFORMANCE CRITERIA** *(Why do we do it?)*

Not Applicable

**ACTIVITY STANDARDS** *(What is required?)*

The bridge or culvert must be maintained to ensure that it is:

- 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**  
*(Is it a Lump Sum, or Dayworks Rate Item?)*

Lump Sum

**WORK UNIT**

Not applicable

**Activity Specifications**  
**Bridge and major culvert maintenance (NBM)**

ACTIVITY SPECIFICATION	Activity: <b>BRIDGE &amp; MAJOR CULVERT MAINTENANCE</b>	Code: <b>NBM</b>
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<b>WORK METHOD REQUIREMENTS</b> <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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<b>UNITS OF MEASURE IF SCHEDULE OF RATES</b>
Not applicable

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Activity Specifications  
Bridge and major culvert maintenance (NBM)

<b>ACTIVITY SPECIFICATION</b>	<b>Activity:</b> <b>BRIDGE &amp; MAJOR CULVERT MAINTENANCE</b>	<b>Code:</b> <b>NBM</b>
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<b>PERFORMANCE REQUIREMENTS</b>		
<b>Asset</b>	<b>Intervention Level</b>	<b>Response Time</b>
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: <b>FOOTPATH REPAIRS</b>	Code: <b>RFK</b>
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## A4-22. Maintenance of paths (RFK)

<b>ACTIVITY DEFINITION</b> <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.	

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>	
Damaged and tripping hazards on footpaths and associated crossings.	

<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>	
To provide a safe passage for pedestrians on the footpath and associated crossings.	

<b>ACTIVITY STANDARDS</b> <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.	

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>	<b>WORK UNIT</b>
Lump Sum	M <sup>2</sup> Footpath

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>	
<ol style="list-style-type: none"> <li>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.</li> <li>Repairs to concrete footpaths to be undertaken in accordance with the Standard Drawings for concrete footpaths.</li> </ol>	

**Activity Specifications**  
**Maintenance of paths (RFK)**

Activity:		Code:
ACTIVITY SPECIFICATION	<b>FOOTPATH REPAIRS</b>	<b>RFK</b>

<b>WORK METHOD REQUIREMENTS</b> <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><b>Note:</b> The MSC only allows for the repair (including by replacement) of 3000 m<sup>2</sup> 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>

<b>METHOD OF PAYMENT</b>	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Included in MSC (to the extent stated)
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<b>WORK UNIT</b>	Not applicable
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<b>UNITS OF MEASURE IF SCHEDULE OF RATES</b>
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)**

<b>ACTIVITY SPECIFICATION</b>	Activity: <b>KERB AND CHANNEL REPAIRS</b>	Code: <b>NKR</b>
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### A4-23. Kerb & channel repairs (NKR)

<b>ACTIVITY DEFINITION</b> <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.	

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>	
Damaged kerb and channel and interrupted longitudinal drainage flow.	

<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>	
To ensure that water in channels can flow uninterrupted to the drainage structures.	

<b>ACTIVITY STANDARDS</b> <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 $\geq \pm 20\text{mm}$ .	

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>	<b>WORK UNIT</b>
Lump Sum (except as stated)	Lineal m kerb & channel

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>	
<ol style="list-style-type: none"> <li>Repairs to concrete kerb and channel to be undertaken in accordance with the Standard Drawings for concrete kerb and channel.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>All debris, dust and dirt adjacent to kerb and channel is to be removed at the completion of works and disposed of responsibly.</li> </ol>	

**Activity Specifications**  
**Kerb & channel repairs (NKR)**

Activity:

Code:

<b>ACTIVITY SPECIFICATION</b>	<b>KERB AND CHANNEL REPAIRS</b>	<b>NKR</b>
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**WORK METHOD REQUIREMENTS** *(Contractor's undertaking to provide quality)*

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.

<b>METHOD OF PAYMENT</b>	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DR)</i>	MSC except where otherwise provided.
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<b>WORK UNIT</b>	lineal m kerb & channel
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<b>UNITS OF MEASURE IF SCHEDULE OF RATES</b>	
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 & Carparks	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)

<b>ACTIVITY SPECIFICATION</b>	<b>Activity:</b> <b>KERB AND CHANNEL REPAIRS</b>	<b>Code:</b> <b>NKR</b>
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<b>PERFORMANCE REQUIREMENTS</b>		
<b>Asset</b>	<b>Intervention Level</b>	<b>Response Time</b>
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 <i>(What work is included?)</i>
<p>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.</p>

PERFORMANCE DISTRESS & DEFECTS <i>(What do we look for?)</i>
<p>Damaged kerbing or median noses, interrupted longitudinal drainage flow, tripping hazards in hard paved areas.</p>

PERFORMANCE CRITERIA <i>(Why do we do it?)</i>
<p>To provide a safe refuge for pedestrians crossing the road.</p> <p>To ensure that the traffic islands continue to regulate and guide traffic movements without constituting a safety hazard to road users.</p>

ACTIVITY STANDARDS <i>(What is required?)</i>
<p>Infill or paved area to be compact and free of depressions or mounds.</p> <p>Kerbing is to be continuous with no loose or broken sections and formed such that longitudinal drainage flow is not impeded.</p>

CONTRACT FORMAT <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>	WORK UNIT
Lump Sum	m <sup>2</sup>

WORK METHOD REQUIREMENTS <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>Repairs to concrete kerbing to be undertaken in accordance with the Shire's Current standard drawings for concrete kerbing.</li> <li>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.</li> <li>Median infill to be compacted to ensure a hard surface.</li> <li>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.</li> </ol>

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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 UNIT**m<sup>2</sup>**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)

<b>ACTIVITY SPECIFICATION</b>	Activity: <b>BOAT RAMP MAINTENANCE</b>	Code: <b>BRM</b>
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## A4-25. Boat ramp maintenance (BRM)

<b>ACTIVITY DEFINITION</b> <i>(What work is included?)</i>	
<p>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)</p> <p>Signage is the responsibility of the Furniture and Signs Contractor.</p>	
<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>	
<p>Slippery or broken concrete ramp pavement, silt build-up or erosion of adjacent bank material.</p> <p>The ramp access pavement deteriorating creating a hazard for ramp users.</p> <p>Damaged kerb stops and lane dividing kerbs.</p>	
<b>PERFORMANCE CRITERIA</b> <i>(Why do we do it?)</i>	
<p>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.</p>	
<b>ACTIVITY STANDARDS</b> <i>(What is required?)</i>	
<p>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.</p> <p>Ramp access is to be maintained in a serviceable and safe condition.</p> <p>Trailer stops to be firm and durable.</p>	
<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, or Dayworks Rate Item?)</i>	<b>REPORTING UNIT</b>
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 2m<sup>2</sup>) 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

Personal Information

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Activity Specifications  
Graffiti Removal (CGR)

ACTIVITY SPECIFICATION	Activity: <b>GRAFFITI REMOVAL</b>	Code: <b>CGR</b>
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## A4-26. Graffiti removal (CGR)

<b>ACTIVITY DEFINITION</b> <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.	

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>	
The unwanted defacement of a surface by drawing, writing, scoring or placement of posters.	

<b>PERFORMANCE CRITERIA</b> <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.	

<b>ACTIVITY STANDARDS</b> <i>(What is required?)</i>	
Graffiti is removed effectively and safely in a prompt manner in response to complaints and inspections.	

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum or Dayworks Rate Item?)</i>	<b>REPORTING UNIT</b>
Lump Sum	m <sup>2</sup>

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>	
<ol style="list-style-type: none"> <li>1. 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.</li> <li>2. Note the substrate composition and texture, and the material composition of the graffiti wherever this is identifiable by inspection.</li> <li>3. 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.</li> <li>4. 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.</li> <li>5. Where hazardous wastes cannot be confined to a 20 litre drum for responsible disposal, the</li> </ol>	

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Activity Specifications  
Graffiti Removal (CGR)

ACTIVITY SPECIFICATION	Activity: <b>GRAFFITI REMOVAL</b>	Code: <b>CGR</b>
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<b>WORK METHOD REQUIREMENTS</b> <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).

<b>NOMINATED HOLD POINTS</b>
Hold Point (SMT) Submission of standard work plan for removal of typical graffiti types and typical surfaces.

<b>METHOD OF PAYMENT</b>	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Included in MSC
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<b>WORK UNIT</b>	m <sup>2</sup>
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<b>PERFORMANCE REQUIREMENTS</b>		
<b>Asset</b>	<b>Intervention Level</b>	<b>Response Time</b>
All	Graffiti visible to public.	5 days
	Offensive graffiti.	24 hours

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## A4-27. Call Out Service (MEC)

<b>ACTIVITY DEFINITION</b> <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 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>

<b>PERFORMANCE DISTRESS &amp; DEFECTS</b> <i>(What do we look for?)</i>	Not Applicable
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<b>PERFORMANCE CRITERIA</b> <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>

<b>ACTIVITY STANDARDS</b> <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>

<b>CONTRACT FORMAT</b> <i>(Is it a Lump Sum, SOR or Dayworks Rate Item?)</i>
Lump Sum

<b>WORK UNIT</b>
Number

<b>WORK METHOD REQUIREMENTS</b> <i>(Contractor's undertaking to provide quality)</i>
<ol style="list-style-type: none"> <li>1. A Duty Controller shall record all emergency calls in a log.</li> <li>2. Provide communication equipment appropriate to the service (eg pager, mobile phones).</li> </ol>

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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<b>SPECIAL REQUIREMENTS</b>		
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:		
<b>METHOD OF PAYMENT</b>	<i>Included in MSC (LS) Schedules of Rates (SOR) Dayworks Rates (DW)</i>	Included in MSC
<b>WORK UNIT</b>	Number	
<b>UNITS OF MEASURE IF SCHEDULE OF RATES</b>		
Not Applicable		
<b>PERFORMANCE REQUIREMENTS</b>		
<b>Asset</b>	<b>Intervention Level</b>	<b>Response Time</b>
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

WZ	Ev	El	Road Name	Asset Type	Suburb	To & From	Length	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	Times per year
1	1	2	Bungower	Road	Mornington	End K&C - Sealed Shoulder	792				1				1			1		3
1	1	2	Reccourse	Road	Mornington	MTyabb - Bungower	3422				1				1			1		3
1	1	4	Roberts	Road	Mornington	Bungower - K&C	508				1									1
1	1	2	Sirachans	Road	Mornington	Nepean - Fullon	706				1				1					2
1	1	4	Williams	Road	Mornington	Esplanade - End Seal	350								1					1
1	1	3	Baden Powell	Drive	Mount Eliza	Nepean Hwy - Erang Dv	1253								1					1
1	1	1	Wooralla	Drive	Mount Eliza	Moorooduc - Maughan	2648		1		1		1		1					6
1	1	2	Canadian Bay	Road	Mount Eliza	Wribna - Barool	210				1				1			1		3
1	1	4	Cobb	Road	Mount Eliza	Nepean Hwy - end seal	552								1					1
1	1	4	Oakbank	Road	Mount Eliza	Staughton - end seal	1626								1					1
1	1	1	Two Bays	Road	Mount Eliza	Moorooduc - Quarry Res Bdy	298		1		1		1		1					6
1	1	2	Mount Eliza	Way	Mount Eliza	Wendy Av - Robbough Av	720				1				1			1		3
1	1	1	Grants	Road	Baxter / Somerville	Simcock - Lower S'ville rd	4731				1		1		1			1		6
1	1	1	Eramosa East	Road	Somerville	WPort Hwy - K&C	6544		1		1		1		1			1		6
1	1	1	Eramosa West	Road	Moorooduc / Somerville	Moorooduc Hwy - Coolart Rd	9244		1		1		1		1			1		6
1	1	4	Bungower	Road	Somerville	Coolart - Jones	6815								1					1
1	1	2	Lower Somerville	Road	Somerville	Grants - Eramosa rd	6670				1				1			1		3
1	1	2	Jones	Road	Tyabb / Somerville	MTyabb Rd - S'ville Rec Res	7465				1				1			1		3
1	1	1	Tyabb-Tooradin	Road	Tyabb / Somerville	W Port Hwy - South Bdy Rd	8478		1						1			1		6
1	1	1	Orealls	Road	Tyabb	WPort Hwy - F/Flm Rd	4155		1		1		1		1			1		6
1	1	1	Derril	Road	Moorooduc	MTyabb - Eramosa Rd West	6917		1		1		1		1			1		6
1	1	2	Dentham	Road	Hastings	W Port Hwy - Mc Kirdies	5792				1				1					2

Schedule A4-2  
Scope of Unsealed Shoulder Grading Program

## SHOULDER MAINTENANCE PLANNER

## Gravel Shoulder Maintenance Schedule

IZ	EV	IE	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	McKirdys	Road	Hastings		Ti Tooracina - 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	Mooroocuc		Deril Rd - Graydens Rd	5151				1				1				1	3
2	2	4 Males	Road	Mooroocuc		Mooroocuc Hwy - End seal	276								1					1
2	2	1 Stumpy Gully	Road	Mooroocuc		Graydens - Hodgins Rd	3396								1				1	6
2	2	4 Stumpy Gully	Road	Mooroocuc (From MTyabb Rd)		MTyabb - End Seal	936								1					1
2	2	1 Graydens	Road	Hastings / Mooroocuc		F/Flinders - Lodens Rd	12150				1								1	6
2	2	1 Hodgins	Road	Hastings / Hastings West		S/Gully rd - Rail Line	9582				1								1	6
2	2	4 Outlook	Avenue	Hastings		Cemetery - End seal	172				1									1
2	2	2 Long Island	Drive	Hastings		Bayview - ESSO	1340				1								1	3
2	2	2 Marine	Parade	Hastings		F/Flin - K&C	2535				1								1	3
2	2	2 Reid	Parade	Hastings		K&C - F/Flin	265				1								1	3
2	G	3 High	Street	Hastings		Hendersons - F/Flinders	550				1								1	3
2	2	1 Bayview	Road	Hastings		S/Shoulder - Long Island	4292				1								1	3
2	2	4 Morton	Crescent	Blitern		S/Beach Rd - Vale	1100													1
2	2	4 Bullecourt	Road	Blitern		Surface th - End	404													1
2	2	2 Woolleys	Road	Blitern		Esplanade - F/Flinders	6159				1								1	3
2	2	4 Vale	Street	Blitern		Morton - Tratalgar	488													1
2	2	4 Viny	Street	Blitern		Disney - Tratalgar	1276													1
2	2	1 Disney	Street	Blitern / Crib Point		Tran track - f/fin	7466													5
2	2	2 Governors	Road	Crib Point		Stony Pl Rd - Esplanade	2450				1								1	3
2	2	2 Point	Road	Crib Point		K&C - Esplanade	984				1								1	3
2	2	2 Esplanade	The	Crib Point		Point Rd - Woolleys Rd	3777				1								1	3
2	2	1 South Beach	Road	Blitern / Somers		Sandy Pl - Woolleys rd	10291													5
2	2	2 Camp Hill	Road	Somers		Sandy Point - K&C	2070													3
																				Legend
																				2 Monthly
																				4 Monthly

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Schedule A4-2  
Scope of Unsealed Shoulder Grading Program

## SHOULDER MAINTENANCE PLANNER

## Gravel Shoulder Maintenance Schedule

IC	Ev	El	Road Name	Asset Type	Suburb	To & From	Length	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	Times per year
2			2 Coolart Extension	Road	Somers	F/Find - 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			1 Sandy Point	Road	Bahnning / Somers	Bal Beach - Camp Hill Rd	7506		1				1				1			6
2			3 Bahnning Beach	Road	Bahnning Beach	F/Shore rd - Beach St	236													1
2			3 Library	Road	Bahnning Beach	F/Shore rd - F/Shawe St	568													1
2			3 Stumpy Gully	Road	Bahnning	F/Finders - Halsey	1978													1
2			3 Warawee	Road	Bahnning	F/Finders - Seascope	1052													1
2			2 Standeys	Road	Bahnning / Red Hill	F/Finders - Red Hill Rd	13556		1				1				1			3
2			2 Merricks	Road	Merricks / Merricks North	F/Finders - B Dromana rd	8168		1				1				1			3
2			2 Tubbarubba	Road	Merricks North	Bahnning Rd - B Dromana rd	9722		1				1				1			3
2			2 Point Leo	Road	Point Leo	F/Finders - Gale	3100		1				1				1			3
2			4 Beach	Road	Shoreham	F/Find - End Seal	620						1							1
2			2 Byrnes	Road	Shoreham	F/Find - K&C	1312		1				1				1			3
2			2 Shoreham	Road	Red Hill / Shoreham	Red Hill Rd - F/Finders rd	10078		1				1				1			3
2			4 Point Leo	Road	Red Hill South	Station - F/Finders	10000						1							1
2			2 Arthurs Seat	Road	Red Hill (Red Hill Rd-White Hill Rd)	White Hill Rd - Red Hill Rd	3500		1				1							3
3			4 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	Shands rd - Arthurs Seat rd	7932		1				1							6
3			2 Shands	Road	Main Ridge	M/Finders - Roberts	1564		1				1				1			3
3			2 Purves	Road	Dromana / Main Ridge	Arthurs Seat - Browns	11177		1				1				1			3
3			2 Bgyview	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	Truemans - Elizabeth	2520		1				1				1			3
4			1 Browns	Road	Boneo / Rye	Dundas - Truemans	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

Ev	EL	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 - Ent Nat Park	7774													3
4		1 Truemans	Road	Tootgarook / Rye	Pt Nepean - Nat Parks	17000													6
4		2 Sandy	Road	Rye	Dundas - Devonport	3534													3
4		2 Collingwood	Street	Rye	Napier - Lytins	162													3
4		1 Dundas	Street	Rye	K&C - Sandy Rd	9060													6
4		1 Melbourne	Road	RYE	Dundas - Canterbury Jetty	5289													6
4		2 Canterbury Jetty	Road	Blairgowrie	Pt Nepean - Melb Rd	3186													3
4		2 Hughes	Road	Blairgowrie	Pt Nepean - Nat Parks	1949													3
4		2 St Johns Wood	Road	Blairgowrie	Pt Nepean - Melb Rd	1921													3
4		4 Coppin	Road	Sorrento	Melbourn - Kerford	401													3
4		2 Holham	Road	Sorrento	Police Station - Pt Nepean rd	100													1
4		4 St Pauls	Road	Sorrento	Websters - 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 Moorooduc	Road	Moorooduc / Dromana	Balnamang Rd - MFlinders Rd	8957													1
3		4 Fairview	Avenue	Mount Martha	Glenisla - Somerset	142													3
3		4 Osborne	Drive	Mount Martha	Earnest - Inga	1742													1
3		4 Craigie	Road	Osborne	Dunns - Moorooduc Hwy	3379													1
3		4 Dominion	Road	Mount Martha	Bay Rd - Somerset	703													1
3		2 Bruce	Road	Mount Martha	Nepean Hwy - K&C	5839													3
3		4 Heam	Road	Mount Martha	Forest Dye - K&C	1427													1
3		2 Forest	Dye	Mount Martha	Hopeloun Av - Heam Rd	3860													3

Legend	
2 Monthly	
4 Monthly	
12 Monthly	

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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	Moordooduc	106 G10	Eramosa Road West	500M South of Eramosa Road West	1575	500
Stumpy Gully Road	Moordooduc	147 F3	Mornington Tyabb Road	Bungower Road	2545	2545
Stumpy Gully Road	Moordooduc	153 D2	960M South of Mornington-Tyabb	Graydens Road	2200	2200
Stumpy Gully Road	Hastings West	153 D11	Hodgins Road	Seaview Avenue	1600	1600
Stumpy Gully Road	Hastings West	163 D2	Seaview Avenue	Hunts Road	1060	1060
Stumpy Gully Road	Brittann 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

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