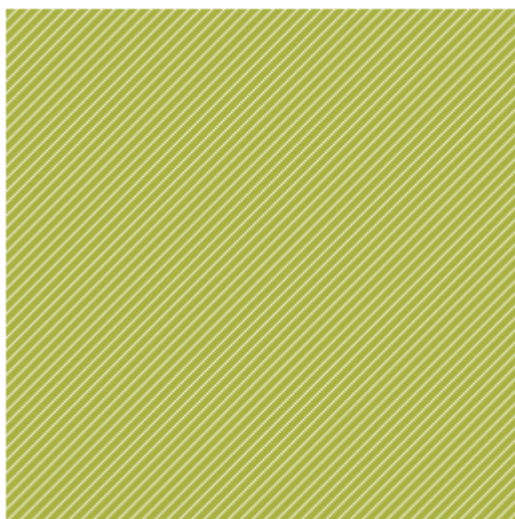


NETWORK OUTCOMES CONTRACT

Visual Audit Guidelines

1 MAY 2020

VERSION 1.1



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More information

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This document is available on the NZ Transport Agency's website at <http://www.nzta.govt.nz>



Record of Amendments

Amendment No.	Description	Effective Date	Updated By	Date
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INTRODUCTION

This guideline has been developed to support the NZ Transport Agency's (NZTA) Network Outcome Contract. The guideline provides guidance on interpretation of the Operational Performance Measures (OPM) within the Network Outcome Contract and describes how these should be audited in the field.

The purpose of this guideline is to:

1. Assist with consistent OPM auditing in the field,
2. Assist with achieving a consistent level of service across the NZTA's individual state highway classifications, and
3. Avoid unnecessary tension over performance with respect to misinterpretation of operations and maintenance defects.

This guideline is intended to provide guidance and direction to:

- a) Anyone involved in undertaking audits measuring the performance of suppliers against specific OPMs included in the NOC contracts, and
- b) Suppliers programming and prioritising maintenance needs on the state highway.

This document is intended as a guide to ensure a consistent minimum standard of OPM auditing. It is not intended to cover every condition situation that may arise on the network.

This guide does not:

- Cover and contract specific variances,
- Override the maintenance contract specification performance measures for the contract,
- Cover all performance measures for the contract, and
- Detail how the audit results are to be calculated.





GUIDELINE INSTRUCTIONS

This guideline must be used in conjunction with the OPMs outlined in the Network Outcomes Contract Maintenance Specification and information within the contract appendices. This guideline supports the Network Outcomes Contract document, and therefore if there is any ambiguity between the contract document and this guideline, the contract document takes precedence.

An example OPM table from the Network Outcomes Contract is shown in Figure 1 below.

POTHOLE (SEALED ROADS) (10% SAMPLE SIZE, MEASURED MONTHLY)					
OPM	ROAD CLASS	CONTRACT STANDARD	DEFECT	WEIGHTING	CIP
11	NatHV(M&E)	No defects.	Pothole >70mm in diameter.	2	2 days
12	NatHV, Nat	≤ 1 defect per 5km carriageway section.	Pothole >150mm in diameter.	2	2 days
13	Reg, Art	≤ 2 defects per 5km carriageway section.		2	2 days

Figure 1: Example OPM Table extracted from the NOC Document

The OPM table defines the defect and the contract standard (or performance measure) for each of the road classifications. The contract standard varies by road class for some of the OPMs.

It is important to note that this guideline focuses on auditing of the performance measures and assisting with definition of the defect. Figure 2 shows an extract from the Audit Guideline and highlights the key attributes of the document.

Each OPM is typically represented by two pages. The first page defines the defect in words and how to audit/assess it. Where applicable, it also includes either a simple sketch or photograph (or both) to show how the defect is to be assessed. The second page includes a series of photos illustrating typical defects.

In some cases the guideline includes photographs of defects that are acceptable. These defects are highlighted green.

The OPMs contained in the Audit Guideline are ordered based on audit frequency, from 10% Monthly to 100% Annually.



OPM information from the Network Outcomes Contract

Examples of asset faults, with OPM defects identified

Network Outcomes Contract NZ Transport Agency Visual Audit Guidelines

SECTION 6.1 - ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.1	Sample size	Audit frequency
Surface bumps	100%	Monthly

OPM	Road Class	Contract Standard	Defect	CIP
8	NatHV(M&E)	No defects	A customer complaint about a noise, vibration or ride nuisance arising from any of: <ul style="list-style-type: none"> Contractor's completed work, surface bump or service cover in carriageway 	2 days
9	All Roads (except NatHV(M&E) or ACCLV)	≤ 3 defects.		1 week
10	AcclV	≤ 5 defects.	> ± 20mm lip	1 week

Example Defects


Settlement of pavement repair, trench or bridge abutment which the contractor has completed or is monitoring.

Assessment Guideline

Initial assessment by vehicle observer.

If necessary, a 2m straight edge is to be laid longitudinally along the carriageway within the wheel path or cycle lanes/path, across the service cover / seal joint / bridge abutment. A rule or tape measure is to be used to determine the height of the drop off between surfacing types

Photographic example of assessment



Tip – any defects resulting in non-compliances will need to be verified as being a result of Contractor's completed work (or monitored work). Faults as a result of work completed outside the Network Outcomes Contract are to be dismissed when auditing this OPM

Network Outcomes Contract NZ Transport Agency Visual Audit Guidelines

Marginal

Example: Pavement shove resulting in a deformation (peak to trough) of greater than 50mm



Defect

Example: Unfinished pavement reinstatement left by utility operator (i.e. monitored work) causing a noise, vibrations and ride nuisance



Defect

Example: Settlement of recently completed bridge abutment resulting in a surface bump causing ride nuisance



Visual guidance of defect measurements

Guidance on minimum standard for auditing

Examples of possible defects

Figure 2 - Key Attributes of the Audit Guideline

It is important to note that not all OPMs included in the Network Outcomes Contract document are covered in this Audit Guideline. Guidance is only included where this adds value to ensuring consistency of auditing and interpretation of defects. Where an OPM is a reporting measure and no asset inspection/assessment is required, guidance is not provided.



EQUIPMENT CHECKLIST

The following checklist indicates the equipment required for field auditing:

- Approved traffic management plan
- Personnel protective equipment*
- Network Outcomes Contract document
- Approved audit section list and list of the relevant OPMs to be audited for the month in question
- Trip meter or Mobile Road app
- Tape measure
- Straight edge (2 metre)
- RAMM data (signs, culverts, etc.)
- Camera
- Video camera (i.e. Contour, GoPro, etc.)
- Rising disc meter
- Levelling staff (or similar)
- List of current year and year 1 pavement rehabilitation and capital work sites (see Maintenance Specification clause 2.3.2 regarding OPM exclusions)

*see exposure type 4 in the Transport Agency's minimum PPE requirements



OPM MEASURES



**100% SAMPLE SIZE
MEASURED MONTHLY**

Surface Bumps

SECTION 6.1 - ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.1		Sample size	Audit frequency	
Surface bumps		100%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
8	NatHV(M&E)	No defects	A customer complaint about a noise, vibration or ride nuisance arising from any of: <ul style="list-style-type: none"> Contractor's completed work, surface bump or service cover in carriageway > ± 20mm lip 	2 days
9	All Roads (except NatHV(M&E) or ACCLV)	≤ 3 defects.		1 week
10	AccLV	≤ 5 defects.		1 week

Example Defects

Settlement of pavement repair, trench or bridge abutment which the contractor has completed or is monitoring.

Assessment Guideline

Initial assessment by vehicle observer.

If necessary, a 2m straight edge is to be laid longitudinally along the carriageway within the wheel path or cycle lanes/path, across the service cover / seal joint / bridge abutment. A rule or tape measure is to be used to determine the height of the drop off between surfacing types

Photographic example of assessment



Tip – Defects under this OPM relate to the customer complaint. Each customer complaint is to be verified as being a result of Contractor's completed work, surface bump, or service cover in carriageway > ± 20mm lip. Customer complaints as a result of other faults are to be dismissed when auditing this OPM.



Marginal

Example: Pavement shove resulting in a deformation (peak to trough) of greater than 50mm



Defect

Example: Unfinished pavement reinstatement left by utility operator (i.e. monitored work) causing a noise, vibrations and ride nuisance



Defect

Example: Settlement of recently completed bridge abutment resulting in a surface bump causing ride nuisance





**10% SAMPLE SIZE
MEASURED MONTHLY**

Potholes

SECTION 6.1 - ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.2		Sample size	Audit frequency	
Potholes		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
11	NatHV(M&E)	No defects.	Pothole>70mm in diameter.	2 days
12	NatHV, Nat	≤ 1 defect per 5km carriageway section.	Pothole>150mm in diameter.	2 days
13	Reg, Art	≤ 2 defects per 5km carriageway section.		2 days
14	PCol, Scol, Acc, AcclV.	≤ 3 defects per 5km carriageway section.		2 days
15	All Roads	No defects.	Pothole > 250mm in diameter.	2 days

Example Defects

Potholes in chipseal, asphaltic concrete and maintenance repairs, located anywhere across the carriageway.
Refer to Appendix Table 1.1 for a definition

Assessment Guideline

Initial assessment by vehicle observer.

If necessary, a tape measure is to be used to determine the average diameter of the pothole

Photographic example of assessment





Acceptable

Example – Pothole is less than 150 mm in diameter
Note: This is acceptable under OPM 12-14 but would be a defect under OPM 11 on a NATHV(M&E).



Defect

Example - Pothole in excess of 150mm in diameter



Defect

Example - Pothole in excess of 250mm in diameter



Deformations, Heaves & Shoves

SECTION 6.1 - ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.3		Sample size	Audit frequency	
Deformations, Heaves & Shoves		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
16	NatHV(M&E)	No defects.	Deformation, heave or shove with height or depth > 50mm when measured from peak to trough.	1 week
17	NatHV, Nat	≤ 1 defects per 5km carriageway section.		1 week
18	Reg, Art	≤ 2 defects per 5km carriageway section.		1 week
19	PCol, Scol, Acc, AcclV	≤ 3 defects per 5km carriageway section.	Deformation, heave or shove with height or depth > 50mm when measured from peak to trough.	1 week
20	All Roads	No defects.	Deformation, heave or shove with height or depth > 100mm when measured from peak to trough.	2 days

Example Defects

Uneven surface, heaves, shoves, minor subsidence

Assessment Guideline

Initial assessment by vehicle observer.

If necessary, a 2m straight edge is to be laid across the carriageway (transversely or longitudinally depending on the position of the deformation) and a ruler or tape measure is to be used to determine the height from peak to trough of the deformation

Photographic example of assessment



Tip – you won't be able to physically measure faults on CoPTTM Level 2/3 roads. Calibrate your eye by auditing low classification roads first, measuring various sized deformations



Acceptable

Example – Deformation < 50mm



Defect

Example - Pavement shear on the edge line resulting in a deformation (peak to trough) of more than 50mm



Defect

Example - Pavement shear between the wheel tracks resulting in a deformation (peak to trough) of more than 50mm



Flushing and Scabbing

SECTION 6.1 - ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.3		Sample size	Audit frequency	
Flushing and Scabbing		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
23	All Roads	No defects.	Any area >10m length within a carriageway where bleeding of the binder has occurred and is being tracked onto the adjacent surface, reducing skid resistance or creating an amenity nuisance (such as being tracked by pedestrians).	1 week
Example Defects				
Bleeding causing bitumen to be tracked onto adjacent surface. See Appendix Table 1.1 for bleeding definition				
Assessment Guideline				
Initial assessment by vehicle observer. Stop and physically assess if required				



Tip – you won't be able to physically measure the skid resistance, visual audit of this OPM should focus on amenity and tracking issues.



Acceptable

Example – Minor binder bleeding within wheel paths however not enough to be tracking onto adjacent surface



Defect

Example – Bleeding causing bitumen to be tracked onto adjacent surface



Defect

Example – Significant bleeding causing bitumen to be tracked onto adjacent surfaces





SECTION 6.1 - ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.5		Sample size	Audit frequency	
Flushing and Scabbing		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
24	All Roads	No defects.	Any area >2m length within a carriageway where chip loss has occurred	2 weeks
Example Defects				
Chip loss from surface within carriageway.				
Assessment Guideline				
Initial assessment by vehicle observer. Stop and physically assess if required				



Defect

Example – chip loss for more than 2m length



Defect

Example – chip loss for more than 2m length



Surface Water Channels

SECTION 6.4.1 - ROUTINE DRAINAGE MAINTENANCE

OPM group 6.4.1		Sample size	Audit frequency	
Surface Water Channels		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
47	NatHV(M&E)	No defects.	Isolated blockage that could allow water to pond or flow onto the carriageway or undermine the asset integrity.	2 weeks
48	NatHV, Nat, Reg, Art	≤ 1 defects per 5km carriageway section.		2 weeks
49	PCol, SCol, Acc, AcCLV	≤ 5 defects per 5km carriageway section.		2 weeks

Example Defects

Blocked kerb and channel, blocked dish channel

Assessment Guideline

Initial assessment by vehicle observer.

Individual asset inspection may be required in some situations to determine whether the kerb and channel capacity is limited by debris such that water could flow onto carriageway, or undermine asset integrity, during periods of rain



Tip – use a trip meter or measuring wheel to measure out 100m if multiple defects are identified.

Acceptable

Example – Debris blocking dish channel that would not result in water flowing onto the carriageway during periods of rain

Note: this would be considered a defect under OPM 51





Defect

Example – Debris blocking kerb and channel that would result in water flowing onto the carriageway during periods of rain



Defect

Example – Fretting material from adjacent cut batter blocking surface water channel allowing water to pond and potentially flow onto the carriageway or undermine the asset integrity.



Defect

Example - Slip debris from adjacent cut batter blocking surface water channel allowing water to pond and potentially flow onto the carriageway or undermine the asset integrity



SECTION 6.4.1 - ROUTINE DRAINAGE MAINTENANCE

OPM group 6.4.1		Sample size	Audit frequency	
Surface water channels		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
50	NatHV(M&E)	No defects.	> 50% of the channel hydraulic cross-section inoperative.	2 weeks
51	NatHV, Nat, Reg, Art, PCol, SCol, Acc, AcCLV	≤ 5% of surface water channel length.		2 weeks

Example Defects

Debris build up in kerb and channel, blocked dish channel

Assessment Guideline

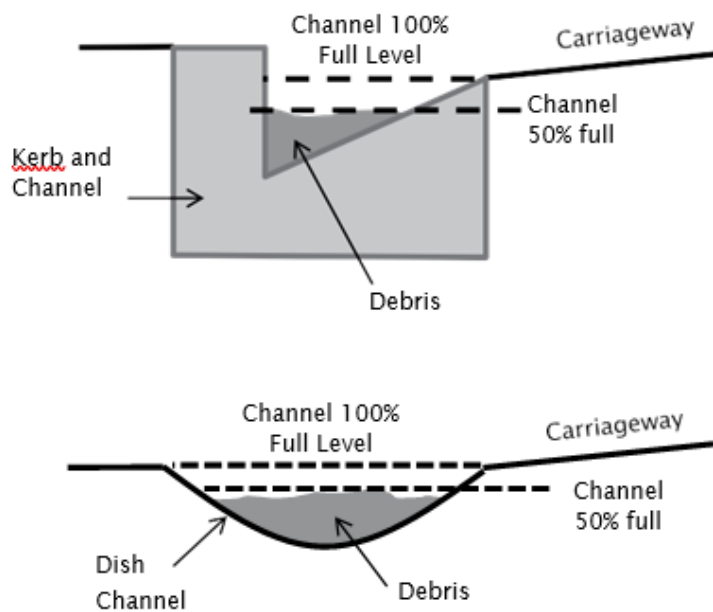
Initial assessment by vehicle observer.

Record length of defective asset

Determine total length of lined surface water channel within audit section

Calculate percentage of defective asset

Photographic example of assessment



Tip – develop a RAMM SQL that can quickly tell you the total asset length within your audit sections. It may be a lot faster than measuring in the field!



Defect

Example - Fretting material from adjacent cut batter blocking surface water channel allowing water to pond and potentially flow onto the carriageway or undermine the asset integrity



Defect

Example - Kerb and channel with more than 50% of the hydraulic cross section inoperative due to debris built up



Defect

Example - Dish channel with more than 50% of the hydraulic cross section inoperative due to debris built up



Litter collection

SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.3		Sample size	Audit frequency	
Litter collection		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
78	NatHV(M&E)	≤ 150 defects per 5km carriageway section.	Litter item visible to anyone who is travelling at normal operating speed.	2 days
79	All Roads (except NatHV(M&E))	≤ 200 defects per 5km carriageway section.		
80	NatHV(M&E)	≤ 75 defects per 5km carriageway section.	Litter item visible to anyone who is travelling at normal operating speed in the high-profile litter area (e.g. on and off ramps) as defined in Appendix 6.11.	2 days
81	All Roads (except NatHV(M&E))	≤ 100 defects per 5km carriageway section.		

Example Defects

Any single item visible to anyone who is travelling at normal operating speed located within the road reserve that is maintained by the Principal, including, but not limited to; paper, refuse, rubbish, glass, metal, garbage, drink bottles, cans and other consumer type objects, and any objects that are not required by the Principal for the functioning of the road.

Assessment Guideline

Assessment by passenger, travelling the audit section in both directions at normal operating speed



Tip – check the local Memorandum of Understanding between the Transport Agency and local authorities for litter collection responsibilities in urban areas. The Transport Agency's responsibilities are generally only between the kerb and channel.



Acceptable

Example - Litter not visible to motorist while travelling at normal operating speed



Defect

Example - Litter items visible to motorist while travelling at normal operating speed. (5 defects)



Defect

Example - Large litter items visible to motorist while travelling at normal operating speed. (5 defects)



Detritus

SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.4		Sample size	Audit frequency	
Detritus		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
82	NatHV(M&E)	No defects.	An area where there is > 500 grams of detritus (e.g. sealing chip, slip material) per two square metres of sealed surface and/or is considered a safety hazard.	2 days
83	NatHV, Nat	≤ 2 defects per 5km carriageway section.		2 days
84	Reg, Art, PCol, SCol	≤ 5 defects per 5km carriageway section.		2 days
85	Acc, AccLV	≤ 15 defects per 5km carriageway section.		2 days

Example Defects

Loose sealing chip, slip material, dead animal.

Detritus considered a safety hazard is that which is likely to cause a vehicle to lose control, e.g. at curves or intersections), or affect driver behaviour, e.g. requiring evasive action or reduction in speed

Assessment Guideline

Initial assessment by vehicle observer.

For side road intersections – assess first ten metres of side road. For entranceways – assess based on edge of seal at either side

Note: all defects should be recorded, including if there is multiple defects at one location (i.e. a side road intersection)

Example of assessment



NOTE – approx. 500grams



Acceptable

Example – Approx. 250grams of loose seal chip in a 2 square metre area of sealed surface



Marginal

Example – Approximately 500grams of loose seal chip in a 2 square metre area of sealed surface – warrants specific assessment



Defect

Example – More than 500grams of loose seal chip in a 2 square metre area of sealed surface, would also constitute a safety hazard



Rest area, HCV facility and formed stopping area maintenance

SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.5		Sample size	Audit frequency	
Rest area and heavy commercial vehicle facility and formed stopping area maintenance		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
86	NatHV(M&E), NatHV, Nat, Rec	≤ 2 defects per facility.	Pothole within trafficked area greater than 150mm in diameter.	2 weeks
87	Art, PCol, SCol, Acc, AcclV	≤ 3 defects per facility.		

Example Defects

Potholes within sealed rest area and/or heavy commercial vehicle facilities'

Refer to Appendix Table 1.1 for a definition

Assessment Guideline

Check contract appendix 6.12 - Rest Area and HCV Facility Maintenance Requirements for the schedule of areas to be maintained under the contract.

Initial assessment by vehicle observer.

If necessary, a tape measure is to be used to determine the average diameter of the pothole

Photographic example of assessment



Tip – check contract appendix 6.12 - Rest Area and HCV Facility Maintenance Requirements for the schedule of areas to be maintained under the contract



Acceptable

Example - Pothole is less than 150mm in diameter



Marginal

Example - Pothole in excess of 150mm in diameter



Defect

Example - Pothole in unsealed rest area trafficked area well in excess of 150mm in diameter



SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.5		Sample size	Audit frequency	
Rest area and heavy commercial vehicle facility and formed stopping area maintenance		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
88	NatHV(M&E)	≤ 1 defects per facility.	HCV facility not maintained to the special requirements of Appendix 6.10, Rest Area and Heavy Commercial Vehicle Facility Maintenance.	1 week
89	All Roads (except NatHV(M&E))	≤ 2 defects per facility.		1 week

Example Defects

N/A

Assessment Guideline

Check contract appendix 6.12 - Rest Area and HCV Facility Maintenance Requirements for the schedule of areas to be maintained under the contract and their specific maintenance requirements.



Tip – check contract appendix 6.12 - Rest Area and HCV Facility Maintenance Requirements for the schedule of areas to be maintained under the contract



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SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.5		Sample size	Audit frequency	
Rest area and heavy commercial vehicle facility and formed stopping area maintenance		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
90	All Roads	≤ 1 defect per facility.	There is litter overflowing a rubbish bin.	1 week

Example Defects

Litter overflowing in rubbish bin.
See Appendix Table 1.1 for litter definition

Assessment Guideline

Stop at each facility within audit section to visually inspect bins



Tip – check contract appendix 6.12 - Rest Area and HCV Facility Maintenance Requirements for the schedule of areas to be maintained under the contract, and whether they include rubbish bins.



Marginal

Example - Rubbish bin at rest area full, rubbish not yet overflowing



Defect

Example - Rubbish bin at rest area overflowing



Defect

Example - Rubbish bin at rest area overflowing



SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.5		Sample size	Audit frequency	
Rest area and heavy commercial vehicle facility and formed stopping area maintenance		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
91	NatHV(M&E)	No defects per facility.	There is non-functioning or damaged, but repairable, equipment or furniture.	2 weeks
92	All Roads (except NatHV(M&E))	≤ 1 defects per facility.		

Example Defects

Broken or missing picnic table, rubbish bin

Assessment Guideline

Stop at each facility within audit section to visually inspect furniture



Tip – check contract appendix 6.12 - Rest Area and HCV Facility Maintenance Requirements for the schedule of areas to be maintained under the contract, and their specific assets and maintenance requirements



Acceptable

Example - Rubbish bin at rest area in good condition



Defect

Example - Picnic table at rest area damaged but repairable



Defect

Example - Picnic table at rest area damaged but repairable



SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.5		Sample size	Audit frequency	
Rest area and heavy commercial vehicle facility and formed stopping area maintenance		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
93	All Roads	≤ 20 defects per facility.	Visible litter item within the area or HCV facility.	1 week

Example Defects

Any single item located within area or HCV facility that is maintained by the Principal, including, but not limited to; paper, refuse, rubbish, glass, metal, garbage, drink bottles, cans and other consumer type objects, and any objects that are not required by the Principal for the functioning of the road.

Assessment Guideline

Stop and walk around at each facility within audit section to count items of visible litter



Tip – check contract appendix 6.12 - Rest Area and HCV Facility Maintenance Requirements for the schedule of areas to be maintained under the contract



Defect

Example – Visible litter item (1 no. defect)



Defect

Example - Visible litter items



Defect

Example - Visible litter items



Graffiti Removal

SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.6		Sample size	Audit frequency	
Graffiti Removal		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
94	NatHV(M&E)	No defects.	Graffiti (any, including signs, bridges and structures), in isolation or a collection, in view of road users or pedestrians and/or rail (customers).	2 days
95	NatHV, Nat, Reg, Art, PCol, SCol, Acc, AcclV	≤ 3 defects per 5km carriageway section.		3 days

Example Defects

Graffiti on sign or bridge

Assessment Guideline

Initial assessment by vehicle observer.

Record number of defective signs.

Determine total number of signs.

Calculate percentage of defective asset.



Tip 1 – if you can't take your RAMM data out in the field, try developing a SQL for quick extraction of your signs data from RAMM.



Acceptable

Example - Graffiti on underside of bridge, not visible to road users or pedestrians.



Acceptable

Example - Graffiti on underside of bridge, not visible to road users or pedestrians.



Defect

Example - Graffiti visible to road users and pedestrians.



Defect

Example – Graffiti on urban Stop sign



Defect

Example – Graffiti on urban state highway



Defect

Example – Graffiti on pedestrian walkway





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Signs

SECTION 6.7.1 - ROUTINE TRAFFIC SERVICES MAINTENANCE

OPM group 6.7.1.1		Sample size	Audit frequency	
Signs		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
96	All Roads	No defects.	Regulatory sign (except RD6L) missing, illegible or not compliant with Traffic Control Devices Manual (TCDM).	2 hours

Example Defects

Missing Give Way sign, unreadable Stop sign

Assessment Guideline

Assessment from vehicle against up-to-date signs data from RAMM.

As a minimum, the following information is required in the field – Road Name, Displacement, Side, Sign Class, Sign Type

All side roads need to be turned into to assess Give Way and Stop signs legibility



Tip 1 – if you can't take your RAMM data out in the field, try developing a SQL for quick extraction of your signs data from RAMM.

Tip 2 – Auditing signs in urban areas and on motorways and expressways is difficult, try taking a video camera so you can verify signs back in the office.

Tip 3 – Keep your RAMM data up to date and accurate!

Acceptable

Example – RD6L sign not compliant with TCDM

Note: Defect under OPM 93.





Acceptable

Example - Graffiti on Give Way sign, however sign still legible



Defect

Example - Give Way sign severely faded and illegible



Defect

Example - Give Way sign severely damaged to a point that it is illegible



SECTION 6.7.1 - ROUTINE TRAFFIC SERVICES MAINTENANCE

OPM group 6.7.1.1		Sample size	Audit frequency	
Signs		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
97	All Roads	≤ 5 defects per 5km carriageway section.	Non-regulatory sign and RD6L missing, illegible or not compliant with Traffic Control Devices Manual (TCDM).	1 week

Example Defects

Missing permanent warning sign

Assessment Guideline

Assessment from vehicle against up-to-date signs data from RAMM. Signs cannot be audited by looking at what signs you think are within the audit section, RAMM data is required!

As a minimum, the following information is required in the field – Road Name, Displacement, Side, Sign Class, Sign Type

All advanced warning signs on side roads need to be inspected, as well as hazard (obstruction) markers.



Tip 1 – if you can't take your RAMM data out in the field, try developing a SQL for quick extraction of your signs data from RAMM.

Tip 2 – Auditing signs in urban areas and on motorways and expressways is difficult, try taking a video camera so you can verify signs back in the office.

Tip 3 – Keep your RAMM data up to date and accurate!



Acceptable

Example - Sign has been damaged, however is still legible



Defect

Example - Sign damaged and not legible to motorist.



Defect

Example – Sign is not legible to motorist.



Raised pavement markers

SECTION 6.7.1 - ROUTINE TRAFFIC SERVICES MAINTENANCE

OPM group 6.7.1.4		Sample size	Audit frequency	
Raised pavement markers		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
101	All Roads	≤ 10% per 5km carriageway section	RRPM (Reflective Raised Pavement Marker) not visible from 160m at night, when viewed from the center of the lane with headlights on full beam or 80m on dipped beam, where the road geometry permits a line of sight.	2 weeks
Example Defects				
Missing, damaged and/or non-visible raised pavement markers				
Assessment Guideline				
Assessment by vehicle observer at night				



Tip – Audit this OPM as part of your nighttime safety inspections



Acceptable

Example - Raised pavement marker in good condition and will be visible to oncoming motorists



Defect

Example – No raised pavement markers visible



Defect

Example - Raised pavement marker in poor condition and will not be visible to oncoming motorists



SECTION 6.7.1 - ROUTINE TRAFFIC SERVICES MAINTENANCE

OPM group 6.7.1.4		Sample size	Audit frequency	
Raised pavement markers		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
102	All Roads	≤ 3% per 5km carriageway section	RRPMs (Reflective Raised Pavement Markers) on curves not visible from 160m at night, when viewed from the centre of the lane with headlights on full beam or 80m on dipped beam, where the road geometry permits a line of sight	2 weeks
Example Defects				
Missing, damaged and/or non-visible raised pavement markers				
Assessment Guideline				
Assessment by vehicle observer at night				



Tip – Audit this OPM as part of your night time safety inspections



Acceptable

Example – More than three visible raised pavement markers



Defect

Example – Only two visible raised pavement markers



Defect

Example - Only one visible raised pavement marker



Edge Marker posts

SECTION 6.7.1 - ROUTINE TRAFFIC SERVICES MAINTENANCE

OPM group 6.7.1.5		Sample size	Audit frequency	
Edge Marker Posts		10%	Monthly	
OPM	Road Class	Contract Standard	Defect	CIP
104	All Roads	≤ 10 defects per 5km carriageway section.	EMPs or flexible delineators missing or not compliant with the Traffic Control Devices Manual (TCDM).	2 weeks
Example Defects				
Missing, damaged and/or non-visible edge marker post				
Assessment Guideline				
Assessment by vehicle observer at night				



Tip – Audit this OPM as part of your night time safety inspections



Acceptable

Example – Edge marker post reflectors visible



Defect

Example – Edge marker post reflector not visible



Defect

Example - Edge marker post reflector not visible





**100% SAMPLE SIZE
MEASURED EVERY 2 MONTHS**



Vulnerable and high value flooding areas

SECTION 6.4.1 - ROUTINE DRAINAGE MAINTENANCE

OPM group 6.4.1	Sample size	Audit frequency
Vulnerable and high value flooding areas	100%	Every 2 months

OPM	Road Class	Contract Standard	Defect	CIP
53	All Roads	No defects.	Isolated blockage that would allow water to pond or flow onto the carriageway or undermine the asset integrity.	1 day
54	All Roads	No defects.	> 20% of the channel hydraulic cross-section inoperative for greater than 1m in length.	1 day

Example Defects

Vulnerable surface water channel blockages

Assessment Guideline

Refer to contract appendix 6.5 for the schedule of nominated vulnerable flooding areas and drainage assets.
 Initial assessment by vehicle observer, supported by detailed site/asset inspection if required



Tip 1 – Use people who are regularly travelling the network (e.g. network inspectors) to stop and inspect the nominated vulnerable flooding areas and drainage assets



Defect

Example - Isolated blockage that would allow water to pond or flow onto the carriageway or undermine the asset integrity



Defect

Example - Isolated blockage that would allow water to pond or flow onto the carriageway or undermine the asset integrity



Defect

Example - > 20% of the channel hydraulic cross section inoperative





Barrier End Treatment and rail damage repairs

SECTION 6.7.1 - STRUCTURES ROUTINE MAINTENANCE

OPM group 6.7.1.5		Sample size	Audit frequency	
Barrier End Treatment and rail damage repairs		100%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
58	NatHV(M&E), NatHV	No defects.	Barrier, end terminals, noise wall, structure sight rails, and structure handrails damaged (and not programmed for repair) resulting in an inoperative barrier system as designed.	1 day wire rope, 3 days other assets
59	Nat, Reg	No defects.		2 days wire rope, 2 weeks other assets
60	Art, PCol, SCol, Acc, AccLV	No defects.		
61	All Roads	≤ 1.	Structural damage identified in the previous audit not permanently repaired.	2 days

Assessment Guideline

Initial assessment by vehicle observer, supported by detailed site/asset inspection if required



Tip 1 – Use people who are regularly travelling the network (e.g. network inspectors) to stop and inspect the nominated vulnerable flooding areas and drainage assets

Acceptable

Example – Minor damage to guardrail but still operative. Does not need repairing





Defect

Example – Structural damage to guardrail in need of repair



Defect

Example – Structural damage to guardrail in need of repair



Defect

Example – Handrail damaged and in need of repair





**10% SAMPLE SIZE
MEASURED EVERY 2 MONTHS**



Edge break

SECTION 6.1 - ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.6		Sample size	Audit frequency	
Edge break		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
25	NatHV(M&E), NatHV, Nat, Reg	No defects.	>2m of continuous edge break where encroachment is more than 250mm into seal at any point.	2 weeks

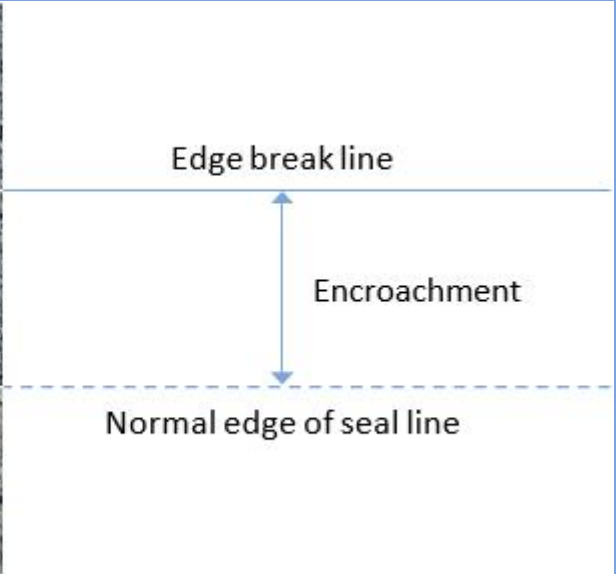
Example Defects

Fretting or breaking of the edge of a bituminous surface.
See Appendix Table 1.1 for edge break definition.

Assessment Guideline

Assessment by vehicle observer.
If necessary, stop and measure with measuring wheel or tape

Photographic example of assessment





Defect

Example – Edge break encroaching into the seal more than 250mm, and more than 2m long



Defect

Example – Edge break encroaching into the seal more than 250mm, and more than 2m long



Defect

Example – Edge break encroaching into the seal more than 250mm, and more than 2m long. Note – no edge line





SECTION 6.1 - ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.6		Sample size	Audit frequency	
Edge break		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
26	Art, PCol, SCol	No defects.	>5m of continuous edge break where encroachment is more than 250mm into seal at any point.	2 weeks
27	Acc, AcclV	≤ 2 defects per 5km carriageway section.		2 weeks

Example Defects

Fretting or breaking of the edge of a bituminous surface.

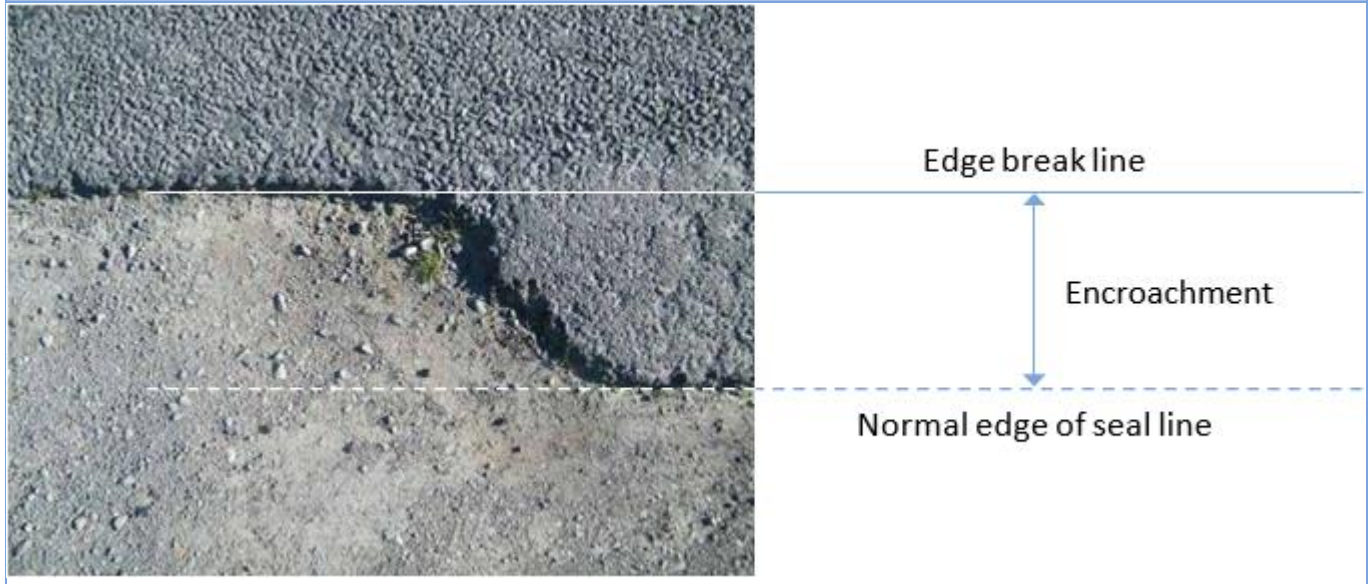
See Appendix Table 1.1 for edge break definition.

Assessment Guideline

Assessment by vehicle observer.

If necessary, stop and measure with measuring wheel or tape

Photographic example of assessment





Defect

Example – Edge break encroaching into the seal more than 250mm, and more than 5m long



Defect

Example – Edge break encroaching into the seal more than 250mm, and more than 5m long



Defect

Example – Edge break encroaching into the seal more than 250mm, and more than 5m long





SECTION 6.1 - ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.6		Sample size	Audit frequency	
Edge break		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
28	All Roads	≤ 2 defects per 5km carriageway section.	Edge break encroaching into painted edge line for more than 1m length.	2 days

Example Defects

Fretting or breaking of the edge of a bituminous surface extending into the edge line.

See Appendix Table 1.1 for edge break definition

Assessment Guideline

Assessment by vehicle observer

Acceptable

Example – Edge break not yet encroaching into the edge line



Acceptable

Example – Edge break encroaching on edge line for less than 1m





Defect

Example – Edge break encroaching into the edge line



Defect

Example – Edge break encroaching into the edge line



Defect

Example – Edge break encroaching into the edge line





Shoulder maintenance

SECTION 6.1- ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.7		Sample size	Audit frequency	
Shoulder maintenance		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
29	All Roads	≤ 250m total per 5km carriageway section.	>10m of continuous low shoulder or edge rutting >50mm on a straight.	2 weeks

Example Defects

Drop off from sealed surface onto adjacent unsealed shoulder

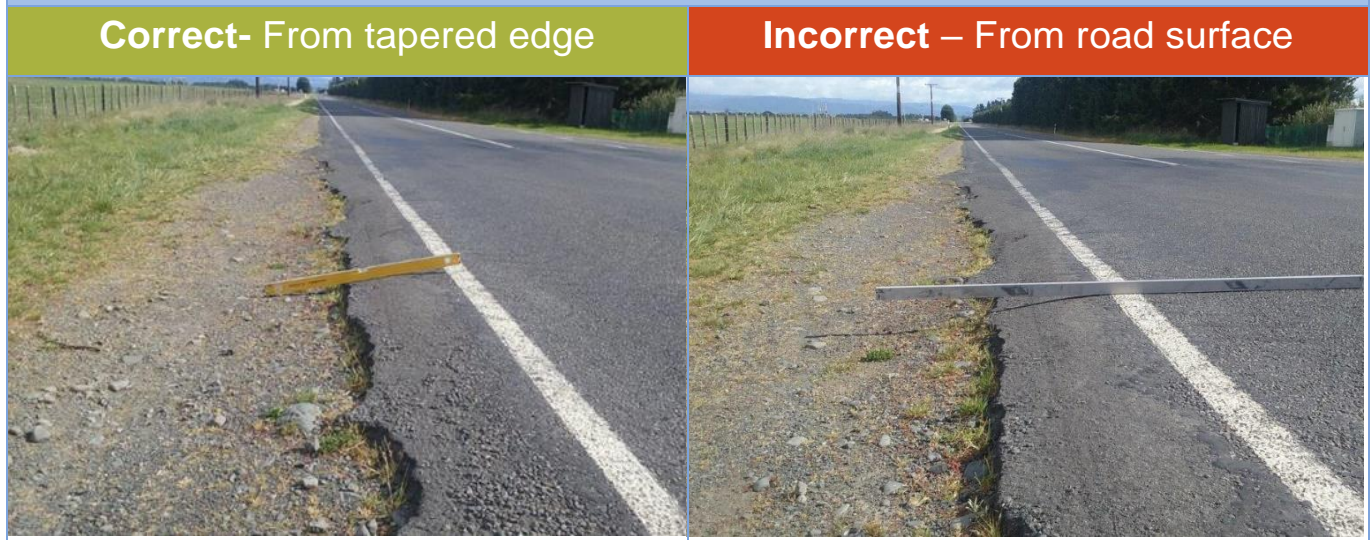
Assessment Guideline

Initial assessment by vehicle observer.

If necessary, a 2m straight edge (or similar) is to be laid across the sealed shoulder and a rule or tape measure is to be used to determine the height of the drop off from line of seal to level of unsealed shoulder. Note – level difference due to seal roll off is not to be included during measurement. An example is shown in insert photo below (straight edge)

Record total number of defective 10m sections

Photographic example of assessment



Tip 1 – Find an efficient way to tally 10m sections of continuous low shoulder so you can easily work out your total length. Remember, the 3m length of painted centreline plus 7m gap = 10 metres



Acceptable

Example – Less than 10 meters of continuous low shoulder of more than 50mm on a straight



Defect

Example – More than 10 meters of continuous low shoulder of more than 50mm on a straight





SECTION 6.1- ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.7		Sample size	Audit frequency	
Shoulder maintenance		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
30	All Roads	≤ 100m total per 5km carriageway section.	Low shoulder or edge rutting >50mm on a bend.	2 weeks

Example Defects

Drop off from sealed surface onto adjacent unsealed shoulder

Assessment Guideline

Initial assessment by vehicle observer.

If necessary, a 2m straight edge (or similar) is to be laid across the sealed shoulder and a rule or tape measure is to be used to determine the height of the drop off from line of seal to level of unsealed shoulder. Note – level difference due to seal roll off is not to be included during measurement. An example is shown in insert photo below (straight edge)

Record total number of defective 10m sections

Photographic example of assessment



Tip 1 – Find an efficient way to tally 10m sections of continuous low shoulder so you can easily work out your total length. Remember, the 3m length of painted centreline plus 7m gap = 10 metres



Acceptable

Example – Low shoulder of less than 50mm on a bend



Defect

Example – Low shoulder of more than 50mm on a bend



Defect

Example – New asphaltic concrete constructed with a low shoulder of more than 50mm on a bend





SECTION 6.1- ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.7		Sample size	Audit frequency	
Shoulder maintenance		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
31	All Roads	No defects.	Low shoulder or edge rutting >100mm.	1 week

Example Defects

Drop off from sealed surface onto adjacent unsealed shoulder

Assessment Guideline

Initial assessment by vehicle observer.

If necessary, a 2m straight edge (or similar) is to be laid across the sealed shoulder and a rule or tape measure is to be used to determine the height of the drop off from line of seal to level of unsealed shoulder. Note – level difference due to seal roll off is not to be included during measurement

Photographic example of assessment





Defect

Example – Low shoulder of more than 100mm



Defect

Example – Low shoulder of more than 100mm



Defect

Example – Asphalt constructed with low shoulder of more than 100mm





Repair quality

SECTION 6.1- ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.1.8		Sample size	Audit frequency	
Repair quality		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
32	NatHV(M&E)	No defects.	Occurrence of permanent repair rework (excluding renewal sites - addressed under OPM 34)	2 weeks
33	NatHV, Nat,	≤ 2 defects per 5km carriageway section.		2 weeks
34	Reg, Art, PCol, SCol, Acc, AcclV	≤ 5 defects per 5km carriageway section.		2 weeks

Example Defects

Cracking, chip loss due to scabbing/stripping, pumping fines, flushing, bleeding, rutting, pavement settlement, pothole, deformations and recently completed repair within a pre-existing pavement repair

Assessment Guideline

Initial assessment by vehicle observer.

Verification of failing repairs will be required to ensure the original repair was completed (or is monitored) by the Network Outcomes Contract Contractor. Repairs completed under previous contracts are not to be considered when auditing this OPM. The risk profile against a failing repair may also need to be verified



Tip 1 – A supplier can only be penalised one time per completed repair under this performance measure (any non-compliances will need to be verified).

Tip 2 – All repairs completed by the Network Outcomes Contract Contractor should be lodged in RAMM. This can be used for verification of failing repairs



Defect

Example – Potholes within completed pavement repair, will require rework



Defect

Example – Cracking within completed pavement repair, will require rework



Defect

Example – Chip loss and binder rise within completed pavement repair, will require rework





Bridge and Other Structures Maintenance

SECTION 6.5.1- ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.5.1		Sample size	Audit frequency	
Bridge and Other Structures Maintenance		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
55	NatHV(M&E)	No defects.	Blocked drainage system or undesirable drainage discharge point.	2 weeks
56	NatHV, Nat, Reg, Art, PCol, SCol, Acc, AccLV	No more than 1 defect within a 5km carriageway section.		2 weeks
Example Defects				
Blocked bridge drainage ports/channels.				
Bridge drainage discharge to unsuitable location.				
Assessment Guideline				
Individual asset inspection				



Defect

Example - Drainage channel full of detritus and vegetation.



Defect

Example - Drainage channel full of detritus.



Defect

Example - Drainage outlet blocked.





SECTION 6.5.1- ROUTINE SEALED PAVEMENT MAINTENANCE

OPM group 6.5.1		Sample size	Audit frequency	
Bridge and Other Structures Maintenance		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
57	All Roads	No more than 1 defect within a 5km carriageway section.	Debris impeding joint movement or damaging the joint.	2 weeks
Example Defects				
Aggregate/debris/vegetation filling up joint. Dislodged expansion joint material impeding joint movement.				
Assessment Guideline				
Individual asset inspection.				



Defect

Example - Debris impeding joint movement or damaging the joint.



Defect

Example - Debris impeding joint movement or damaging the joint.



Defect

Example - Debris impeding joint movement or damaging the joint.





Vegetation control - general

SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.2		Sample size	Audit frequency	
Vegetation control - general		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
66	All Roads	≤ 20% Type 1 (Urban): by length (side m), per 5km carriageway section.	Vegetation < 20mm or > 75mm in height.	1 week

Example Defects

Urban median with grass longer than 75mm

Assessment Guideline

Refer to contract appendices for nominated areas to be maintained under the Network Outcomes Contract.

Initial assessment by vehicle observer.

Where marginal, a rising disc meter is to be used, measuring a representative sample of the area to determine defective area percentage

Photographic example of assessment



Example of rising disc meter for measuring grass height



Tip 1 – Some urban areas are likely to be maintained by the local authority, remember to refer to contract appendices for nominated Type 1 control areas to be maintained under the Network Outcomes Contract.

Tip 2 – Come up with an efficient way of tallying and calculation the % of area per audit section that is defective



Acceptable

Example – Grassed island well maintained



Marginal

Example – Vegetation in traffic island near threshold close to 75mm in height – warrants specific assessment (using rising plate meter)



Defect

Example – Grass height higher than 75mm over majority of area





SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.2		Sample size	Audit frequency	
Vegetation control - general		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
67	All Roads	≤ 25% Type 2 (Stopping Places): per individual Stopping Place.	Vegetation < 20mm or > 150mm in height.	1 week

Example Defects

Rest area with grass longer than 150mm or less than 20mm

Assessment Guideline

Refer to contract appendices for nominated areas to be maintained under the Network Outcomes Contract.

Initial assessment by vehicle observer.

Where marginal, a rising disc meter is to be used, measuring a representative sample of the area to determine defective area percentage

Photographic example of assessment



Example of rising disc meter for measuring grass height



- Tip 1 – Some urban areas are likely to be maintained by the local authority, remember to refer to contract appendices for nominated Type 1 control areas to be maintained under the Network Outcomes Contract.
- Tip 2 – Each stopping place is assessed individually, regardless of whether multiple are assessed within an audit section.



Acceptable

Example - Grass at rest area is less than 150mm in height



Marginal

Example - Grass at rest area more than 150mm in height



Defect

Example - Grass at rest area is a lot more than 150mm in height





SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

1 of 3

OPM group 6.6.1.2		Sample size	Audit frequency	
Vegetation control - general		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
68	NatHV(M&E), NatHV, Nat	No defects Type 3.	Vegetation < 25mm or > 300mm in height	2 weeks
69	Reg	≤ 5% Type 3: by length (side m), per 5km carriageway section.	or < 160m forward sight visibility to all signs and delineation devices	2 weeks
70	Art, PCol, SCol, Acc, AccLV	≤ 10% Type 3: by length (side m), per 5km carriageway section.	or Vegetation within the clear Vegetation-free Zone.	2 weeks

Example Defects

Overgrown shoulder vegetation

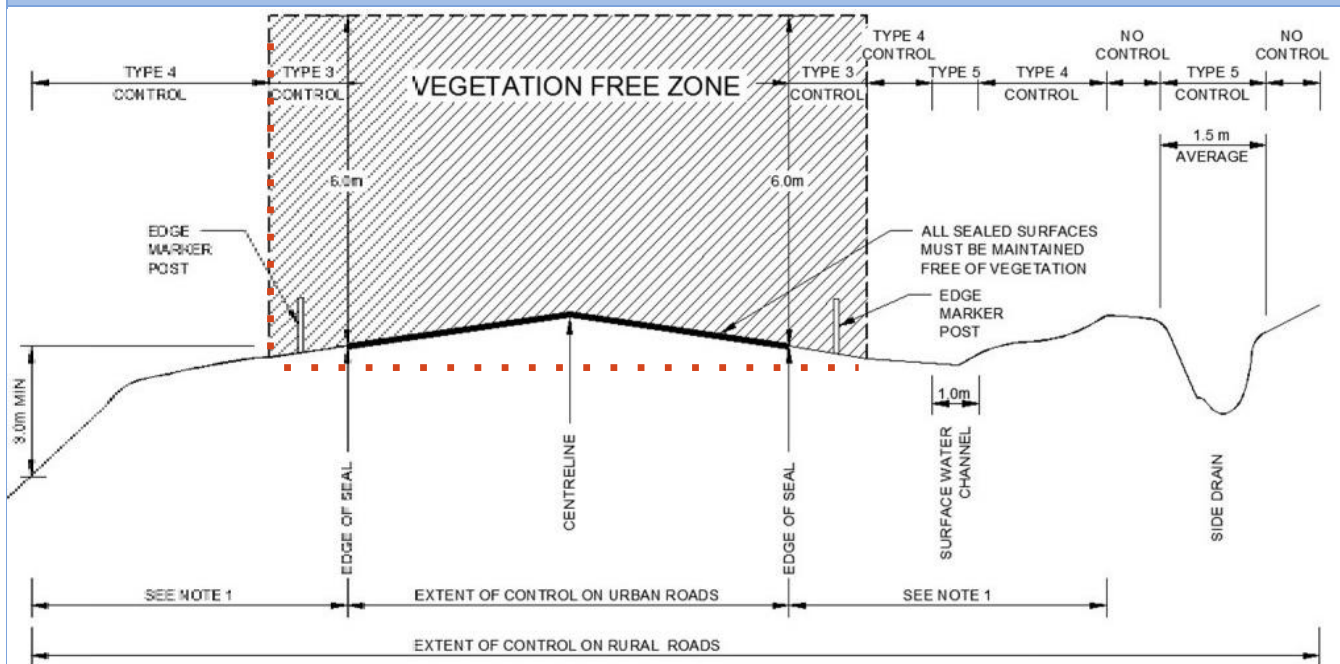
Assessment Guideline

Refer to contract appendices 6.9 and 6.10 for vegetation extents to be maintained under the Network Outcomes Contract.

Initial assessment by vehicle observer. Where marginal, a rising disc meter is to be used, measuring a representative sample of the area to determine defective area percentage.

Measured in terms of lineal metres being defective/okay

Example of assessment



Vegetation Free Zone includes vegetation growing within the sealed surface and trees/limbs encroaching into the 'window'



Marginal

Example –Vegetation close to 300mm in height – warrants specific assessment (using rising plate meter)



Defect

Example – Overgrown vegetation, restricting <160m of forward sight visibility to signs or delineation



Defect

Example – Overgrown vegetation well in excess of 300mm





Acceptable

Example – Overhanging tree limb in vegetation free zone (>6m high)



Defect

Example – Vegetation growing within the sealed surface



Defect

Example – Overhanging tree limb in vegetation free zone (<6m high)





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SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.2		Sample size	Audit frequency	
Vegetation control - general		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
71	NatHV(M&E)	≤ 10% Type 5: by length (side m) per 5km carriageway section.	Area not vegetation-free or near vegetation-free.	2 weeks
72	All Roads (except NatHV(M&E))	≤ 20% Type 5: by length (side m) per 5km carriageway section.		2 weeks

Example Defects

Vegetation exceeding 100mm in height at culvert markers, headwalls, retaining structures, guardrails, barriers, sight rails, surface water channels, kerb and channel, weigh stations, side drains, culvert waterways, bridges, rest area furniture and/or road-side furniture (such as street-light poles, CCTV/ VMS cabinet, CCTV/VMS poles).

Assessment Guideline

Refer to contract appendices for vegetation extents to be maintained under the Network Outcomes Contract.
Initial assessment by vehicle observer.
If necessary, a rising disc meter is to be used to determine if an area is defective. Assessed in lane metres, e.g. total defective lane.m / total audit section lane.m



Tip – Come up with an efficient way of tallying the lineal metres of defective area within the audit section

Acceptable

Example – Vegetation growth around a side drain





Defect

Example – Overgrown vegetation around edge marker post



Defect

Example – Overgrown vegetation around a side drain

Note: This is also a defect under OPM 64



Defect

Example – Overgrown vegetation around culvert end





SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.2		Sample size	Audit frequency	
Vegetation control - general		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
73	All Roads	≤ 15% Type 7: per 5km carriageway section.	Non-compliance with requirements of Type 7 control or Designation Conditions and Plans.	1 month

Example Defects

Planted area which has not been weeded.
 Bark or gravel chip within planted area which has not been raked. Dead tree within planted area.
 Overgrown trees or shrubs within planted area affecting sight distance.
 Overgrown trees or shrubs within planted area affecting health of other plants.

Assessment Guideline

Refer to contract appendices for nominated landscaped areas to be maintained under the Network Outcomes Contract.
 Refer to the local conditions for landscaped area maintenance requirements.
 Initial assessment by vehicle observer, supported by detailed site inspection if marginal



Tip – Come up with an efficient way of tallying the lineal metres of defective area within the audit section



Acceptable

Example – Landscaped area well maintained



Defect

Example – Planted area which has not been maintained



Defect

Example – Planted area which has not been maintained





SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.2		Sample size	Audit frequency	
Vegetation control - general		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
74	All Roads	No defects.	Dead tree or limb within the Limit of Works that presents a risk of falling onto the road or damaging another asset or property (a fallen tree or limb shall be treated as an Incident Response).	1 month

Example Defects

A dead tree or dead limb that presents a risk of falling onto the road, both growing in the road reserve or adjacent property

Assessment Guideline

Initial assessment by vehicle observer, supported by detailed site inspection if required



Tip – if the tree originates from private property but encroaches into the limit of works and presents a risk of falling onto the road, it counts!



Defect

Example – Dead tree at risk of falling onto the highway



Defect

Example – Dead tree at risk of falling onto the highway



Defect

Example – Dead tree at risk of falling onto the highway





SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.2		Sample size	Audit frequency	
Vegetation control - general		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
75	NatHV(M&E)	No defects.	Self-sown tree >1m and < 3m high.	1 month
76	All Roads (except NatHV(M&E))	≤ 20 defects per 5km carriageway section.		1 month

Example Defects

Self-sown tree within the limit of works that has the potential to grow a trunk diameter exceeding 100mm and become a traffic hazard (i.e. if left to grow tree would be a risk of; falling onto the highway, affecting forward sight visibility, and/or increasing the consequence of a crash due to infrangibility).

Note - native trees ARE included when auditing this OPM

Assessment Guideline

Initial assessment by vehicle observer, supported by detailed site inspection if required



Tip – remember, only trees that have the potential to grow a trunk diameter exceeding 100mm and become a traffic hazard should be counted for this OPM. Think – if it was left to grow, would it NEED to be removed at some stage in the future?



Acceptable

Example – Self-sown tree more than 3m in height



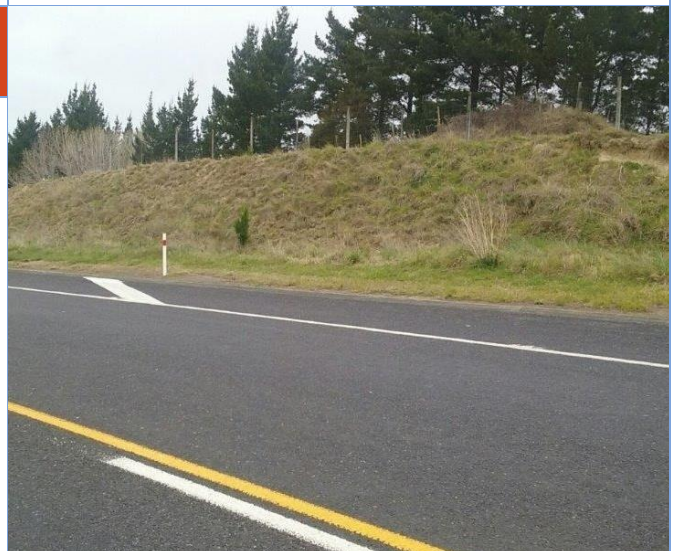
Defect

Example – Self-sown trees less than 3m in height but more than 1m



Defect

Example – Self-sown trees less than 3m in height but more than 1m





SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE

OPM group 6.6.1.2		Sample size	Audit frequency	
Vegetation control - general		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
77	All Roads	≤ 10% Type 6: within any 10m2	Pest plant growth shall not exceed 100mm in height or spread	1 month

Example Defects

Pest plant within the limit of works greater than 100mm in height or spread.

Assessment Guideline

Initial assessment by vehicle observer, supported by detailed site inspection if required



Tip – remember, only trees that have the potential to grow a trunk diameter exceeding 100mm and become a traffic hazard should be counted for this OPM. Think – if it was left to grow, would it NEED to be removed at some stage in the future?



Culvert marker posts

SECTION 6.6.1 - ROUTINE ENVIRONMENTAL MAINTENANCE				
OPM group 6.7.1.5		Sample size	Audit frequency	
Culvert marker posts		10%	Every 2 months	
OPM	Road Class	Contract Standard	Defect	CIP
106	NatHV(M&E)	≤ 1 defect per 5km carriageway section.	Missing culvert marker post.	1 month
107	All Roads (except NatHV(M&E))	≤ 3 defects per 5km carriageway section.		1 month
Example Defects				
Missing culvert marker post. Culvert name and number missing from marker post. See Appendix Table 1.1 for culvert and culvert marker definitions.				
Assessment Guideline				
Audit against signs data or culvert data from RAMM (depending which table culvert markers are kept in)				



- Tip 1 – Audit culvert markers in conjunction with auditing signs. One checklist can be prepared before you go out in the field to make auditing faster.
- Tip 2 – As per Appendix Table 1.1, ALL culverts should have an associated culvert marker, not just those crossing the highway



**100% SAMPLE SIZE
MEASURED QUARTERLY & AT NIGHT**



Carriageway lighting

SECTION 6.7.1 - ROUTINE TRAFFIC SERVICES MAINTENANCE				
OPM group 6.7.1.8		Sample size	Audit frequency	
Carriageway lighting		100%	Quarterly and at night	
OPM	Road Class	Contract Standard	Defect	CIP
109	All Roads	No defects.	Belisha Beacon light or pedestrian crossing light not functioning or missing.	2 days
Example Defects				
Carriageway light bulb blown/smashed, belisha beacon (at pedestrian crossing) not flashing				
Assessment Guideline				
Initial assessment by vehicle observer against data extracted from SLIM table				



Tip – Some carriageways lights in urban will be maintained by the local authority. Make sure your RAMM data is up to date and correct with this!



SECTION 6.7.1 - ROUTINE TRAFFIC SERVICES MAINTENANCE

OPM group 6.7.1.8		Sample size	Audit frequency	
Carriageway lighting		100%	Quarterly and at night	
OPM	Road Class	Contract Standard	Defect	CIP
110	NatHV(M&E)	≤ 2% defects.	Light not functioning or missing.	1 week
111	NatHV, Nat	≤ 5% defects.		
112	Reg, Art, PCol, SCol, Acc, AccLV	≤ 10% defects.		
113	NatHV(M&E)	No lighted intersection with defects.	Intersection, On or Off Ramp: ≥50% of the lights not functioning.	2 days
114	All Roads (except NatHV(M&E))	≤ 2% of lighted intersection with defects.		2 days
115	NatHV(M&E)	No defects.	Mid-block: ≥ 3 consecutive lights not functioning or missing.	1 week
Example Defects				
Carriageway light bulb blown/smashed				
Assessment Guideline				
Initial assessment by vehicle observer against data extracted from SLIM table				



**100% SAMPLE SIZE
MEASURED BI-ANNUALLY & AT NIGHT**

Signs

SECTION 6.7.1 – ROUTINE TRAFFIC SERVICES MAINTENANCE

OPM group 6.7.1.1		Sample size	Audit frequency	
Signs		100%	Bi- annually & at night	
OPM	Road Class	Contract Standard	Defect	CIP
98	All Roads	No defects.	Regulatory sign (except RD6L) not visible from 160m at night, when viewed from the centre of the lane with headlights on full beam or 80m on dipped beam OR not meeting the Traffic Control Devices Manual (TCDM) reflectivity standard.	2 hours
99	All Roads	≤ 5% defects.	Non-regulatory sign and RD6L not visible from 160m at night, when viewed from the centre of the lane with headlights on full beam or 80m on dipped beam OR not meeting the Traffic Control Devices Manual (TCDM) reflectivity standard.	1 week

Example Defects

Dirty signs, faded signs, damaged signs

Assessment Guideline

Assessment by vehicle observer at night.

All advanced warning signs on side roads need to be inspected where road geometry will allow. Remember, signs not covered include -

- Signs with flexible faces
- Electronic signs
- Street-name blade signs
- Regulatory parking signs



Tip – Audit this OPM as part of your night time safety inspections



Acceptable

Example - Sign reflective and visible at night from 80 metres



Defect

Example - Sign not very reflective and not visible at night from 160 metres



Defect

Example - Sign not very reflective and not visible at night from 160 metres





Edge marker posts

SECTION 6.7.1 – ROUTINE TRAFFIC SERVICES MAINTENANCE

OPM group 6.7.1.5		Sample size	Audit frequency	
Edge marker posts		100%	Bi- annually & at night	
OPM	Road Class	Contract Standard	Defect	CIP
105	All Roads	≤ 10 defects per 5km carriageway section.	Reflector not visible from 160m at night, when viewed from the centre of the lane with headlights on full beam or 80m on dipped beam.	2 weeks
Example Defects				
Missing, damaged and/or non-visible edge marker post				
Assessment Guideline				
Assessment by vehicle observer at night				



Tip – Audit this OPM as part of your night time safety inspections



Acceptable

Example - Two consecutive edge marker post reflectors visible on same side of the road



Defect

Example - Only one edge marker post visible



Defect

Example - No edge marker posts visible





**100% SAMPLE SIZE
MEASURED ANNUALLY**

Non- vulnerable sumps, manholes, catchpits, and outflow control devices

SECTION 6.4.1 – ROUTINE DRAINAGE MAINTENANCE

OPM group 6.4.1	Sample size	Audit frequency
Non- vulnerable sumps, manholes, catchpits, and outflow control devices	100%	Annually

OPM	Road Class	Contract Standard	Defect	CIP
43	All Roads	No defects.	Debris < 200mm below the internal outlet pipe invert or > 20% of the cross-sectional area of outlet pipe covered with debris or for manholes and like features >33% of the grate is blocked, not remedied within 2 months as identified from an annual drainage inspection.	1 month

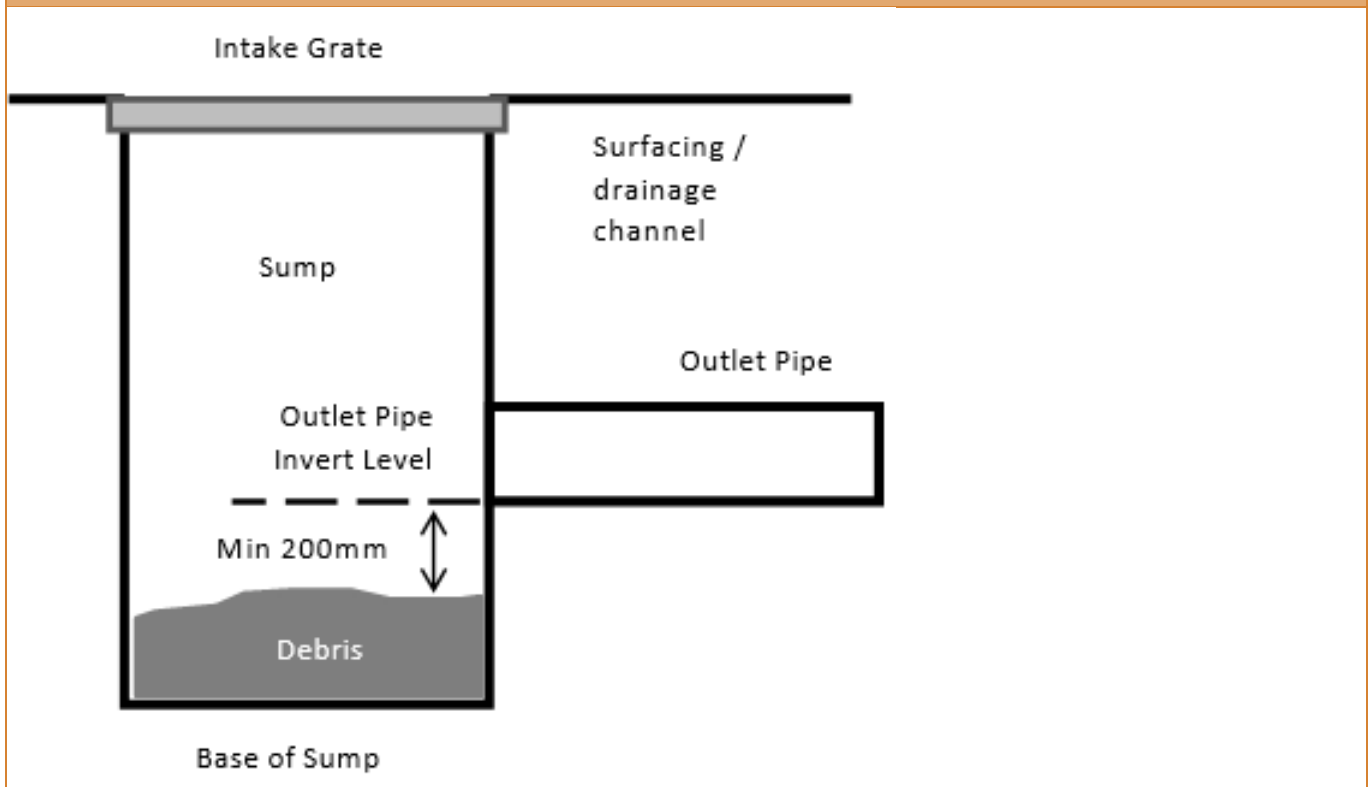
Example Defects

Blocked sump, manhole, catchpit, outlet pipe, etc.

Assessment Guideline

Evidence needs to be provided showing remedial works have been completed

Example of Assessment



Tip 1 – Stormwater assets in urban areas are likely to be maintained by the local authority – check the agreement between the TLA and the Transport Agency.

Tip 2 - An inspection of the asset may not actually be required when auditing this OPM as other methods for appropriately demonstrating remedial works have been undertaken.



Defect

Example - Catchpit with debris less than 200mm below the invert level of the outlet pipe



Defect

Example - Blocked outlet pipe



Defect

Example - Blocked intake grate





Non- vulnerable culverts, subsoil, horizontal drains and outflow control devices

SECTION 6.4.1 – ROUTINE DRAINAGE MAINTENANCE

OPM group 6.4.1	Sample size	Audit frequency
Non- vulnerable culverts, subsoil, horizontal drains and outflow control devices	100%	Annually

OPM	Road Class	Contract Standard	Defect	CIP
44	All Roads	No defects.	> 20% of the cross-sectional area of the culvert inlet, outlet or barrel filled with debris, not remedied within 2 months as identified from an annual drainage inspection.	1 month

Example Defects

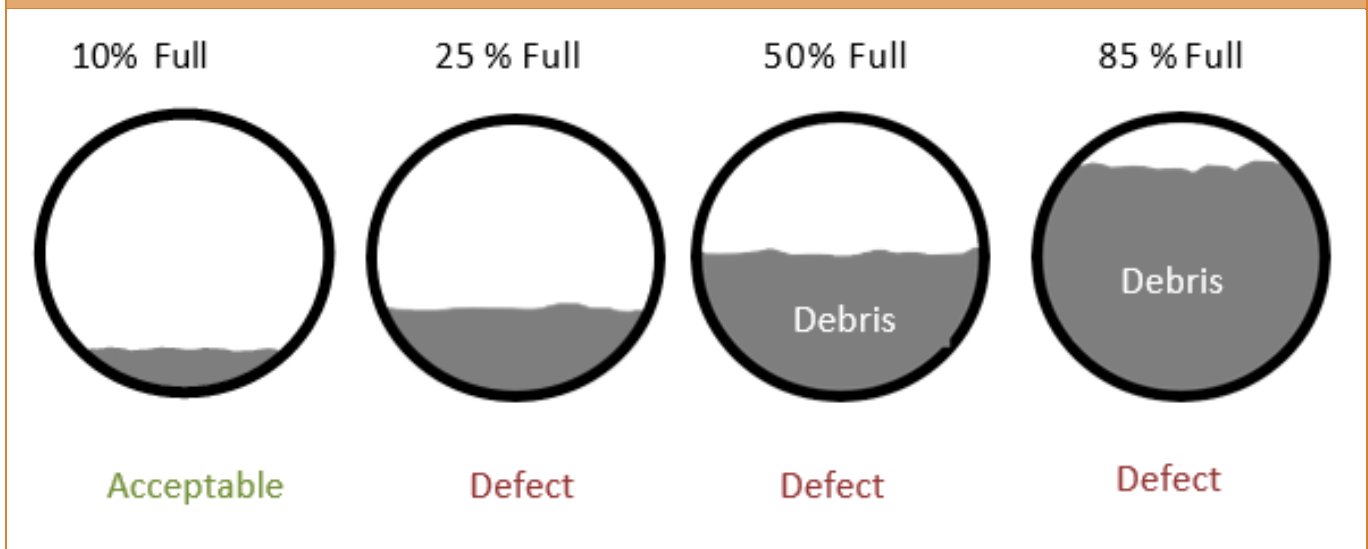
Blocked culvert

Assessment Guideline

Evidence needs to be provided showing remedial works have been completed

The following sketches are provided to assist with the visual assessment of the percentage of the cross-sectional area of the culvert inlet, outlet or barrel that is filled with debris

Example of Assessment



Tip – An inspection of the asset may not actually be required when auditing this OPM as other methods for appropriately demonstrating remedial works have been undertaken



Acceptable

Example - Culvert barrel clear



Defect

Example - > 20% of the cross-sectional area of the culvert barrel filled with debris



Defect

Example – > 20% of the cross-sectional area of the culvert inlet filled with debris



SECTION 6.4.1 – ROUTINE DRAINAGE MAINTENANCE

OPM group 6.4.1		Sample size	Audit frequency	
Non- vulnerable culverts, subsoil, horizontal drains and outflow control devices		100%	Annually	
OPM	Road Class	Contract Standard	Defect	CIP
45	All Roads	No defects.	> 20% of the cross-sectional area of the culvert filled with water caused by poor maintenance of downstream hydraulic conditions, within the Limit of Works, not remedied within 2 months as identified from an annual drainage inspection.	1 month

Example Defects

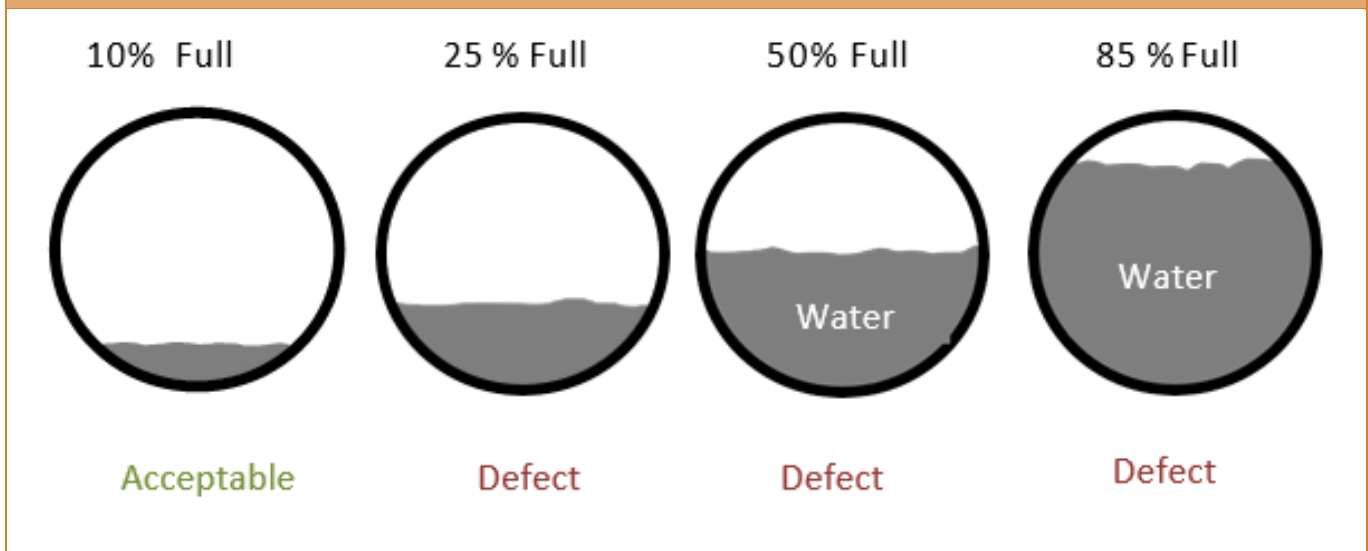
Water ponding in culvert due to blocked drain

Assessment Guideline

Evidence needs to be provided showing remedial works have been completed.

The following sketches are provided to assist with the visual assessment of the percentage of the cross-sectional area of the culvert inlet, outlet or barrel that is filled with water

Example of Assessment



Tip – An inspection of the asset may not actually be required when auditing this OPM as other methods for appropriately demonstrating remedial works have been undertaken



Defect

Example - Culvert filled with water due to poor maintenance of drain downstream



Defect

Example - Culvert filled with water due to poor maintenance of drain downstream



Defect

Example – Culvert filled with water due to poor maintenance of drain downstream

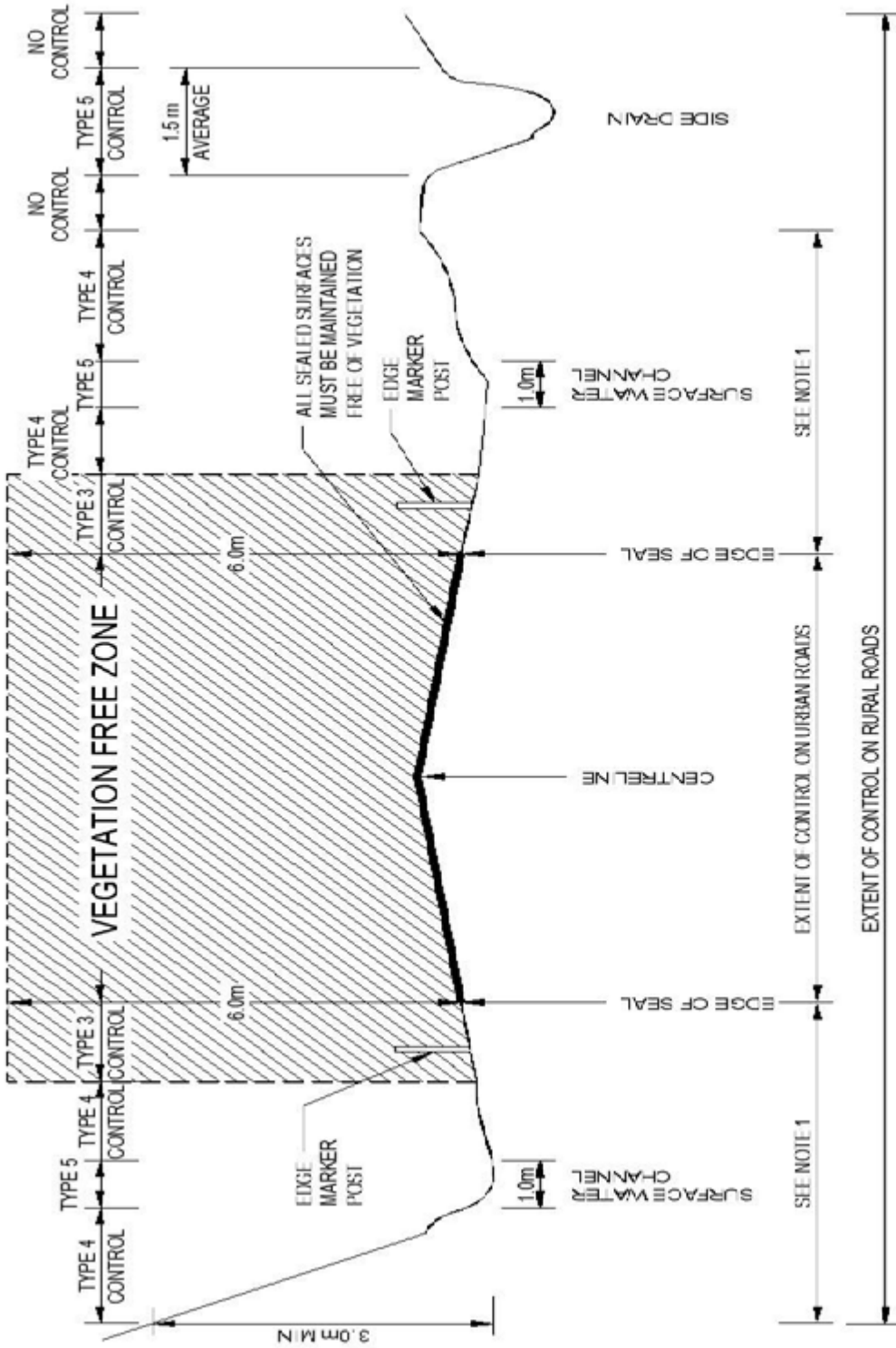




APPENDICES



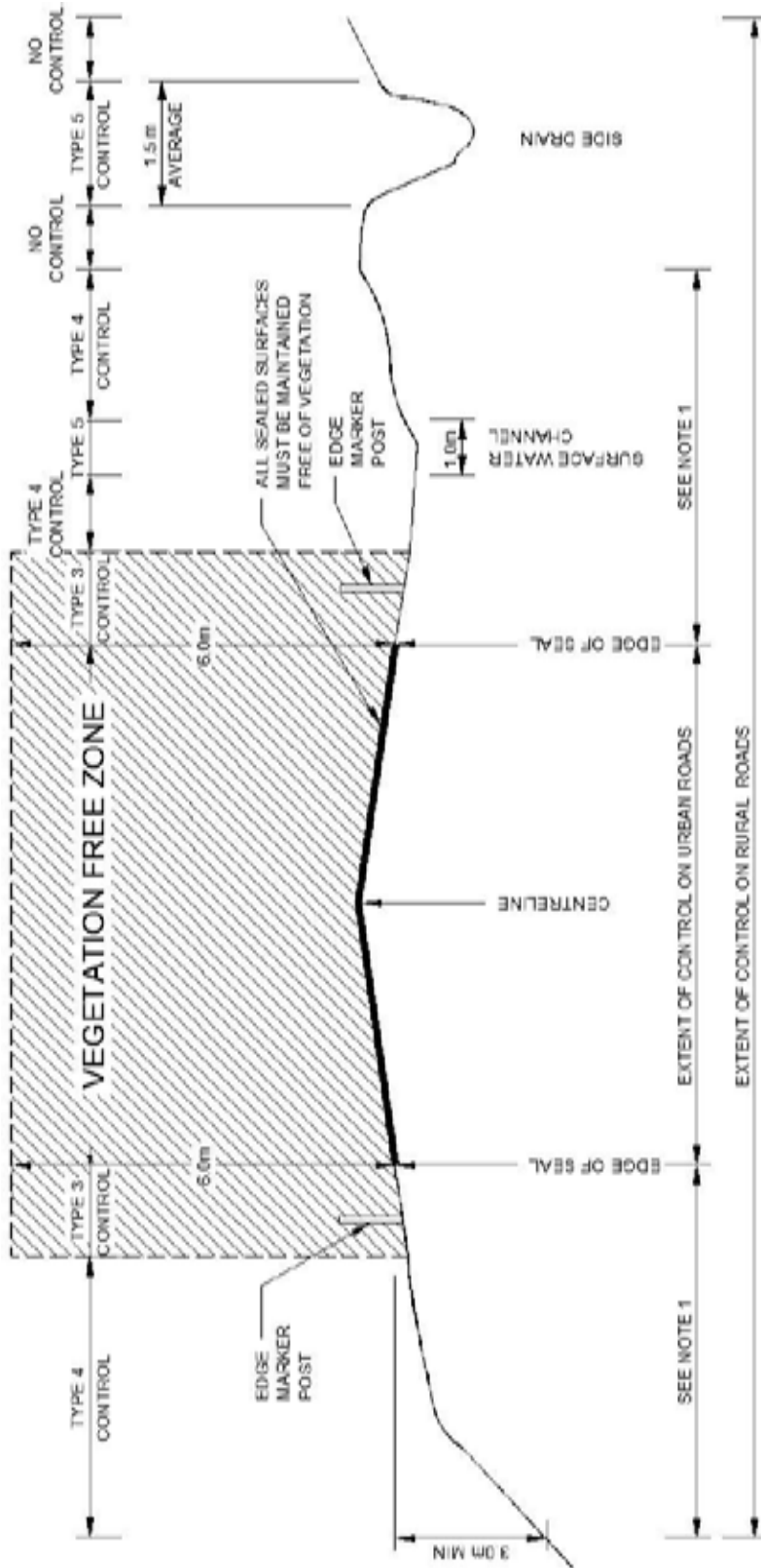
Extent of Vegetation Control



NOTE 1: THIS DISTANCE MUST BE A MINIMUM OF 3.0m ON STRAIGHTS AND ON THE OUTSIDE OF CURVES, AND A MINIMUM OF 5.0m ON THE INSIDE OF CURVES EXCEPT WHERE SPECIFIED IN THE VEGETATION CONTROL SCHEDULE

NOTE 2: VEGETATION FREE ZONE MUST BE MAINTAINED FREE OF ALL VEGETATION EXCEPT WHERE SPECIFIED IN THE VEGETATION CONTROL SCHEDULE

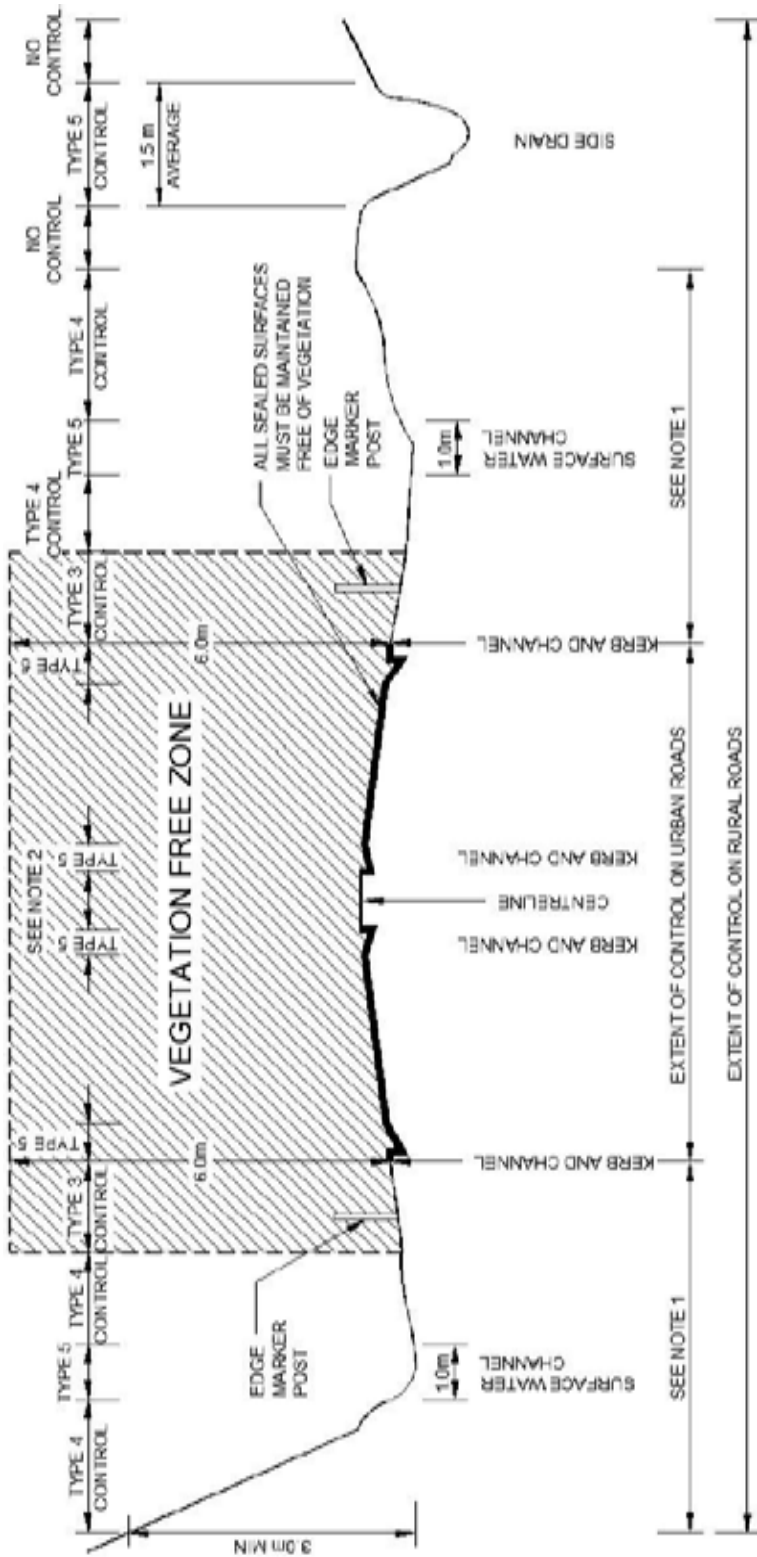
EXTENT AND TYPE OF VEGETATION CONTROL FOR ROADS WITHOUT KERB AND CHANNEL



NOTE 1. THIS DISTANCE MUST BE A MINIMUM OF 3.0m ON STRAIGHTS AND ON THE OUTSIDE OF CURVES, AND A MINIMUM OF 5.0m ON THE INSIDE OF CURVES EXCEPT WHERE SPECIFIED IN THE VEGETATION CONTROL SCHEDULE

NOTE 2. VEGETATION FREE ZONE MUST BE MAINTAINED FREE OF ALL VEGETATION EXCEPT WHERE SPECIFIED IN THE VEGETATION CONTROL SCHEDULE

EXTENT AND TYPE OF VEGETATION CONTROL FOR ROADS WITHOUT KERB AND CHANNEL



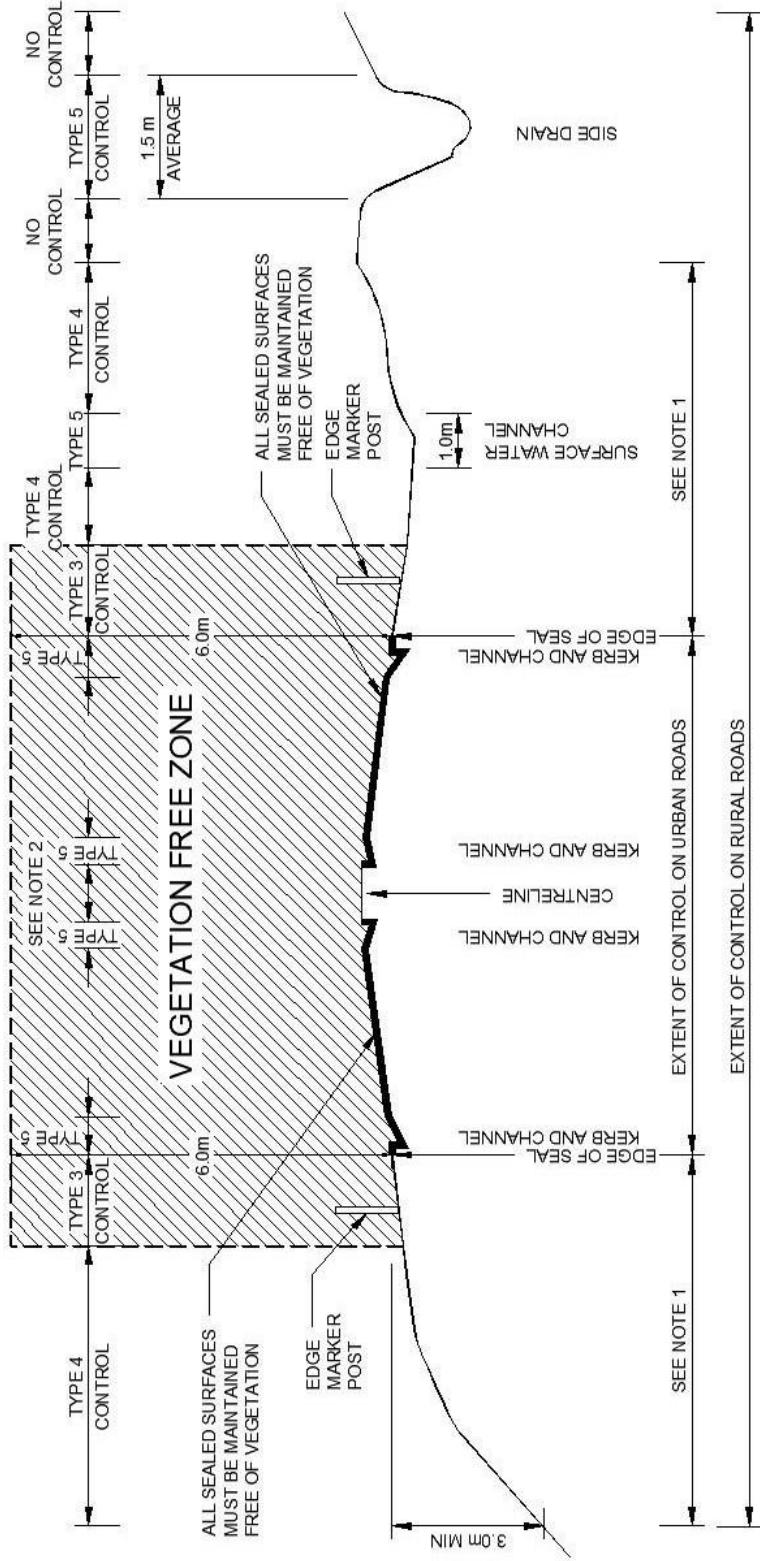
NOTE 3. VEGETATION CONTROL FOR KERB AND CHANNEL, AND ALL OTHER LINED CHANNELS MUST INCLUDE THE TREATMENT OF VEGETATION AT THE KERB AND CHANNEL PAVEMENT INTERFACE

NOTE 4. VEGETATION FREE ZONE MUST BE MAINTAINED FREE OF ALL VEGETATION EXCEPT WHERE SPECIFIED IN THE VEGETATION CONTROL SCHEDULE

NOTE 1. THIS DISTANCE MUST BE A MINIMUM OF 3.0m ON STRAIGHTS AND ON THE OUTSIDE OF CURVES, AND A MINIMUM OF 5.0m ON THE INSIDE OF CURVES EXCEPT WHERE SPECIFIED IN THE VEGETATION CONTROL SCHEDULE

NOTE 2. CONTROL OF GRASSED AREAS ON ISLANDS MUST BE TYPE 1 FOR URBAN ROADS AND TYPE 3/3A FOR RURAL ROADS

EXTENT AND TYPE OF VEGETATION CONTROL FOR ROADS WITH KERB AND CHANNEL



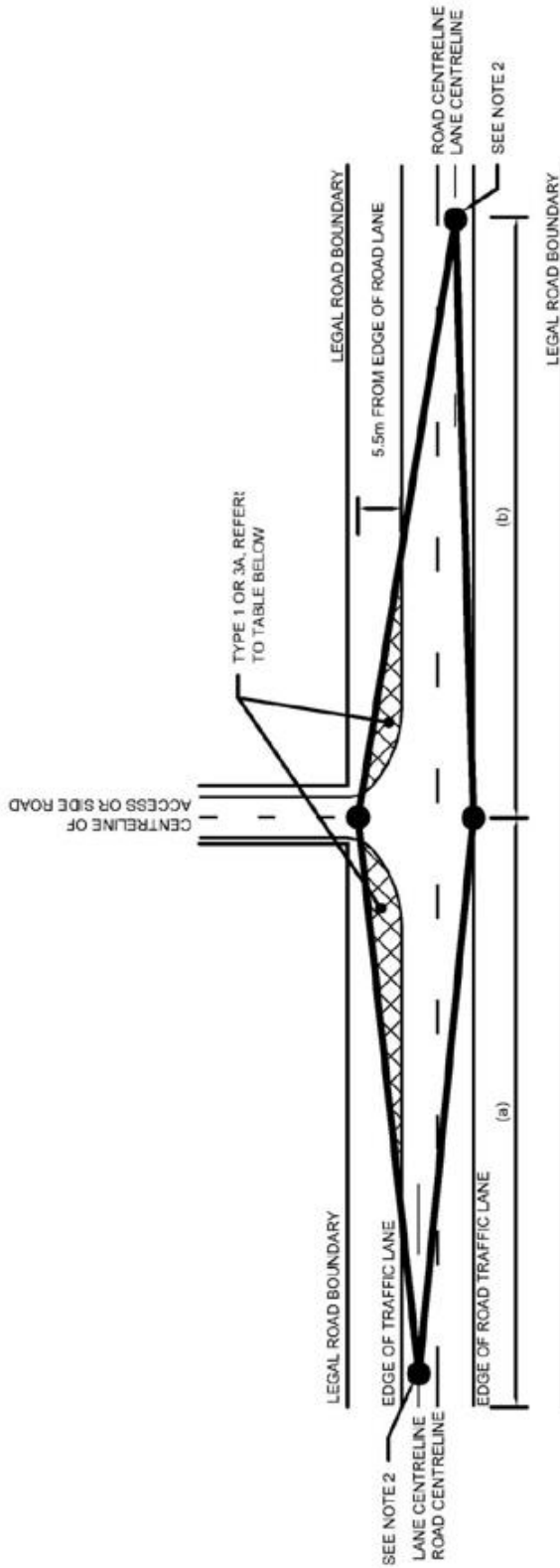
NOTE 1: THIS DISTANCE MUST BE A MINIMUM OF 3.0m ON STRAIGHTS AND ON THE OUTSIDE OF CURVES, AND A MINIMUM OF 5.0m ON THE INSIDE OF CURVES EXCEPT WHERE SPECIFIED IN THE VEGETATION CONTROL SCHEDULE

NOTE 2: CONTROL OF GRASSED AREAS ON ISLANDS MUST BE TYPE 1 FOR URBAN ROADS AND TYPE 3/3A FOR RURAL ROADS

NOTE 3: VEGETATION CONTROL FOR KERB AND CHANNEL, AND ALL OTHER LINED CHANNELS MUST INCLUDE THE TREATMENT OF VEGETATION AT THE KERB AND CHANNEL/PAVEMENT INTERFACE

NOTE 4: VEGETATION FREE ZONE MUST BE MAINTAINED FREE OF ALL VEGETATION EXCEPT WHERE SPECIFIED IN THE VEGETATION CONTROL SCHEDULE

EXTENT AND TYPE OF VEGETATION CONTROL FOR ROADS WITH KERB AND CHANNEL



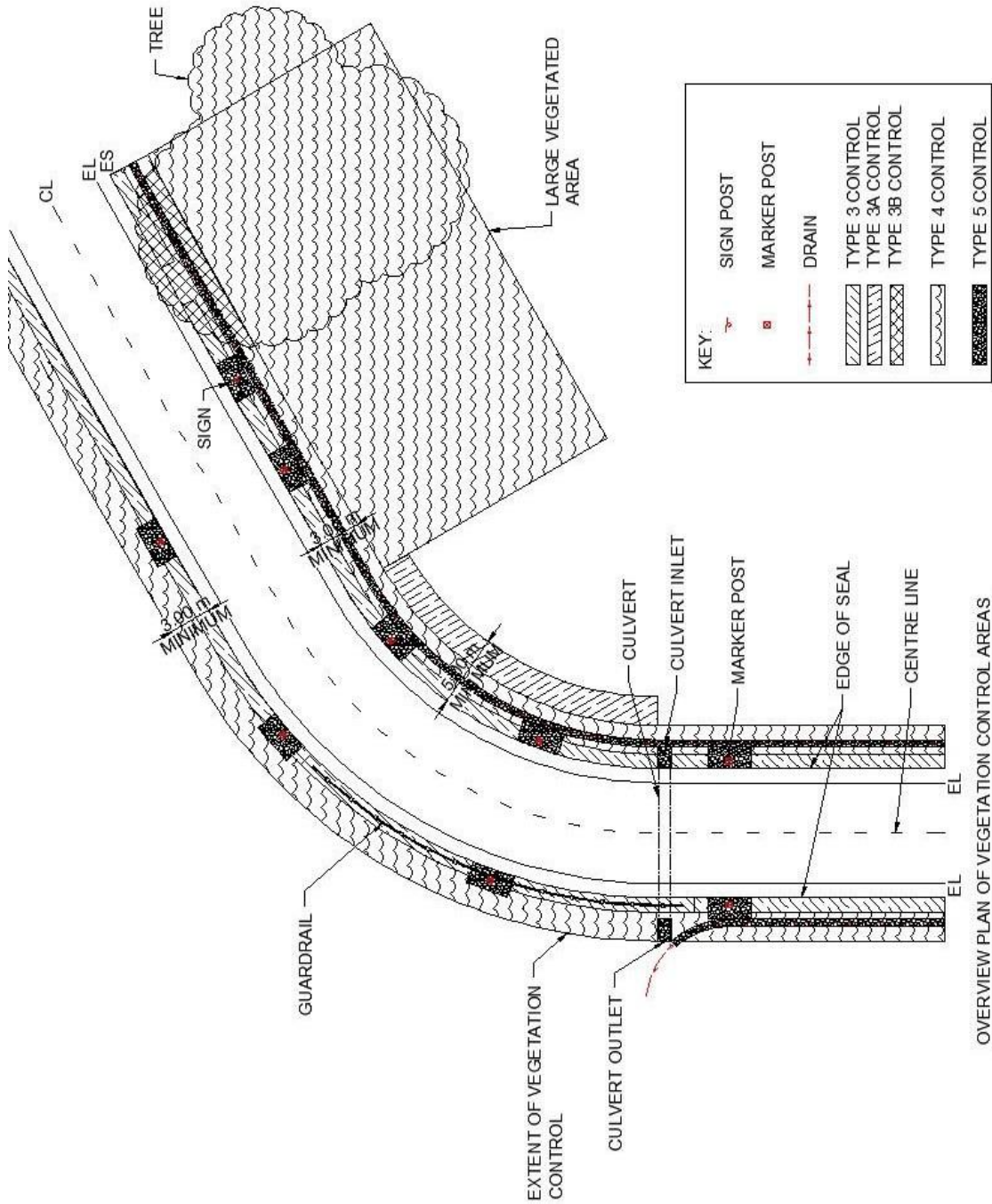
NOTE 3: VEGETATION CONTROL TO MAINTAIN A MINIMUM SIGHT DISTANCE AT INTERSECTIONS AND OTHER DESIGNATED AREAS MUST BE ACCORDING TO THE FOLLOWING TABLE:

ROAD ENVIRONMENT	MINIMUM SIGHT DISTANCE (a)	TYPE OF VEGETATION CONTROL
RURAL	250m OR AS AGREED WITH THE PRINCIPAL	3
URBAN	130m OR AS AGREED WITH THE PRINCIPAL	1

NOTE 1: SITE DISTANCES SHALL BE MEASURED 1) TO AND FROM A HEIGHT OF 1.15 METRES ABOVE THE EXISTING ROAD SURFACE AND THE PROPOSED SURFACE LEVEL OF THE SIDE ROAD OR ACCESS;

NOTE 2: SITE DISTANCE IS TO THE MIDDLE OF THE TRAFFIC LANE. IF A MULTILANED ROAD SITE DISTANCE IS TO THE MIDDLE OF THE LEFT HAND LANE

VEGETATION CONTROL AT INTERSECTIONS





OPM Sample Size and Audit Frequencies

OPM SAMPLE SIZES AND AUDIT FREQUENCIES																	
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL											
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Safety	1	Key Reporting	All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	2	Skid Resistance Management	All Roads	100%	Annually											<input checked="" type="checkbox"/>	
Customer Facing	3	TMP Approvals and Audits	All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	4		All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	5		All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	6	CAR processing	All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	7	Geological Threats	All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	8	Surface Bumps (Sealed Roads)	NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	9		All Roads (except NatHV(M&E))	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	10		AccLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	11	Potholes (Sealed Roads)	NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	12		NatHV, Nat	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																	
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL											
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Customer Facing	13	Deformations, Heaves, Shoves (Sealed Roads)	Reg, Art	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	14		PCol, SCol, Acc, AcCLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	15		All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	16		NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	17		NatHV, Nat	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	18		Reg, Art	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	19		PCol, SCol, Acc, AcCLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	20		All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	21		Rutting	All Roads	100%	Annually										<input checked="" type="checkbox"/>	
Asset Condition	22	Flushing and Scabbing	All Roads	100%	Annually										<input checked="" type="checkbox"/>		
Asset Condition	23	Flushing and Scabbing (Sealed Roads)	All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	24		All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	25	Edge Break (Sealed Roads)	NatHV(M&E), NatHV, Nat, Reg	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL										
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Asset Condition	26	Shoulder Maintenance (Sealed Roads)	Art, PCol, SCol	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Asset Condition	27		Acc, AcclV	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Safety	28		All Roads	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Asset Condition	29		All Roads	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Asset Condition	30		All Roads	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Asset Condition	31		All Roads	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Customer Facing	32		Repair Quality (Sealed Roads)	All Roads	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Customer Facing	33	All Roads		10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Customer Facing	34	Reinstatement of Sites after any Completed Works	NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	35		All Roads (except NatHV(M&E))	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	36		All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	37	Pavement Rehabilitation Rework	All Roads	100%	Annually										<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																		
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL												
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	
Customer Facing	38	Pavement Rehabilitation Post-Construction Surface Shape Restoration	All Roads (Chip)	100%	Annually											<input checked="" type="checkbox"/>		
Safety	39		All Roads (AC)	100%	Annually												<input checked="" type="checkbox"/>	
Asset Condition	40	Pre-resurfacing Repairs (Sealed Roads)	All Roads	100%	Annually												<input checked="" type="checkbox"/>	
Customer Facing	41	AC Post-Construction Surface Shape Verification	All Roads	100%	Annually												<input checked="" type="checkbox"/>	
Customer Facing	42		All Roads	100%	Annually												<input checked="" type="checkbox"/>	
Asset Condition	43	Non-vulnerable Sumps, Manholes, Catchpits and Outflow Control Devices	All Roads	100%	Annually													<input checked="" type="checkbox"/>
Asset Condition	44	Non-vulnerable Culverts, Subsoil, Horizontal Drains and Outflow Control Devices	All Roads	100%	Annually													<input checked="" type="checkbox"/>
Asset Condition	45		All Roads	100%	Annually													<input checked="" type="checkbox"/>
Asset Condition	46		All Roads	100%	Annually													<input checked="" type="checkbox"/>
Asset Condition	47		NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																	
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL											
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Asset Condition	48	Surface Water Channels	NatHV, Nat, Reg, Art	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	49		PCol, SCol, Acc, AcCLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	50		NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	51		NatHV, Nat, Reg, Art, PCol, SCol, Acc, AcCLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	52	Reported Lane Flooding	NatHV(M&E)	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	53	Vulnerable and High Value Flooding Areas	All Roads	100%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
Asset Condition	54		All Roads	100%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
Asset Condition	55	Bridge and Other Structures Maintenance	NatHV(M&E)	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	56		NatHV, Nat, Reg, Art, PCol, SCol, Acc, AcCLV	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	57		All Roads	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL										
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Safety	58	Barrier, End Treatment and Rail Damage Repairs	NatHV(M&E), NatHV	100%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Safety	59		Nat, Reg	100%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Safety	60		Art, PCol, SCol, Acc, AcCLV	100%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Safety	61		All Roads	100%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Safety	62	Frost, Ice Gritting and Snow Clearance – Mobilise and Establish On Site	All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Safety	63		All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Safety	64	Ice Gritting and CMA – Treatment Decisions and Compliance	All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	65	Snow Clearing - Response	All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	66	Vegetation Control - General	All Roads	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Customer Facing	67		All Roads	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL										
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Customer Facing	68		NatHV(M&E), NatHV, Nat	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Customer Facing	69		Reg	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Customer Facing	70		Art, PCol, SCol, Acc, AcclV	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Customer Facing	71		NatHV(M&E)	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Customer Facing	72		All Roads (except NatHV(M&E))	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Customer Facing	73		All Roads	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Customer Facing	74		All Roads	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Asset Condition	75		NatHV(M&E)	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Asset Condition	76		All Roads (except NatHV(M&E))	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Asset Condition	77		All Roads	10%	2 Monthly		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Customer Facing	78	Litter Collection	NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																	
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL											
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Customer Facing	79		All Roads (except NatHV(M&E))	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	80		NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	81		All Roads (except NatHV(M&E))	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	82	Detritus	NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	83		NatHV, Nat	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	84		Reg, Art, PCol, SCol	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	85		Acc, AcclV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	86	Rest Area, Heavy Commercial Vehicle Facility and Formed Stopping Area Maintenance	NatHV(M&E), NatHV, Nat, Reg	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	87		Art, PCol, SCol, Acc, AcclV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	88		NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																	
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL											
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Customer Facing	89		All Roads (except NatHV(M&E))	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	90		All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	91		NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	92		All Roads (except NatHV(M&E))	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	93		All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	94		NatHV(M&E)	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	95		Graffiti Removal	NatHV, Nat, Reg, Art, PCol, SCol, Acc, AcCLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	96		Signs	All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Asset Condition	97			All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Safety	98			All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Asset Condition	99	All Roads		10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	100	Frangible Signs	All Roads	100%	Annually							<input checked="" type="checkbox"/>					



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL										
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Customer Facing	101	Raised Pavement Markers	All Roads	100%	6 Monthly at night				<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	
Safety	102		All Roads	100%	6 Monthly at night				<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	
Asset Condition	103	Raised Pavement Markers	All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Asset Condition	104	Edge Marker Posts	All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Safety	105	Edge Marker Posts	All Roads	100%	6 Monthly at night				<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	
Asset Condition	106	Culvert Marker Posts	NatHV(M&E)	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Asset Condition	107		All Roads (except NatHV(M&E))	10%	2 Monthly	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Asset Condition	108	Transport Agency P/22 Pavement Marking - Lines, Text, Symbols, etc.	All Roads	100%	Bi-Annually					<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>
Safety	109	Carriageway Lighting	All Roads	100%	Quarterly at night	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																	
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL											
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Asset Condition	110		NatHV(M&E)	100%	Quarterly at night	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Asset Condition	111		NatHV, Nat	100%	Quarterly at night	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Asset Condition	112		Reg, Art, PCol, SCol, Acc, AcCLV	100%	Quarterly at night	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Asset Condition	113		NatHV(M&E)	100%	Quarterly at night	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Asset Condition	114		All Roads (except NatHV(M&E))	100%	Quarterly at night	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Asset Condition	115		NatHV(M&E)	100%	Quarterly at night	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Asset Condition	116		Carriageway Light Slip Bases	All Roads	100%	Annually							<input checked="" type="checkbox"/>				
Customer Facing	117	Incident Response Management	NatHV(M&E)	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Customer Facing	118		NatHV, Nat, Reg, Art	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																	
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL											
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Customer Facing	119		PCol, SCol, Acc, AcCLV	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	120		NatHV(M&E)	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	121		All Roads (Not NatHV(M&E))	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	122		All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	123	Sealed Route Surface Bumps	Favoured Motorcycle Routes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	124		Shoulders on Designated Cycle Routes and all Cycle Lanes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	125		Cycle Paths		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	126	Sealed Route Potholes	High Risk and Favoured Motorcycle Routes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL										
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Safety	127		Shoulders on Designated Cycle Routes and all Cycle Lanes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	128		Cycle Paths		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	129	Sealed Route Deformations, Heaves and Shoves	High Risk and Favoured Motorcycle Routes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	130		Shoulders on Designated Cycle Routes and all Cycle Lanes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	131		Cycle Paths		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Safety	132	Sealed Route Edge Breaks	High Risk and Favoured Motorcycle Routes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL										
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Safety	133		Shoulders on Designated Cycle Routes and all Cycle Lanes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Safety	134		Cycle Paths		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	135	Sealed Route Shoulder Maintenance	Cycle Lanes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	136		Shoulders on Designated Cycle Routes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	137		Cycle Paths		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	138	Unsealed Route Surface Bumps	Cycle Paths		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	139	Unsealed Route Potholes	Cycle Paths		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	140	Route Vegetation Control	All Routes	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Safety	141	Route Litter and Detritus Removal	High Risk and Favoured Motorcycle Routes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL										
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Safety	142		Shoulders on Designated Cycle Routes and all Cycle Lanes		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	143		Cycle Paths (sealed)		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	144		Cycle Paths (unsealed)		Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	145	Potholes (Unsealed Roads)	PCol, SCol	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	146		Acc	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	147		AccLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	148	Corrugations (Unsealed Roads)	PCol, SCol, Acc	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Facing	149		AccLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Safety	150	Loose Metal (Unsealed Roads)	PCol, SCol, Acc, AccLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



OPM SAMPLE SIZES AND AUDIT FREQUENCIES																	
OPM TYPE	OPM	NAME	ROAD CLASS	AUDIT SIZE	FREQUENCY	REPORTING INTERVAL											
						JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Safety	151	Deformations, Heaves and Shoves (Unsealed Roads)	All Roads	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	152	Drainage (Unsealed Roads)	PCol, SCol	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	153		Acc	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Condition	154		AccLV	10%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	155	Incident Response	All Roads (within defined enhanced response area)	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	156			100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	157			100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Customer Facing	158	Traffic Congestion Management	All Roads	100%	Monthly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MONTHLY TOTALS						121	119	114	129	114	118	122	118	113	129	122	124