

PART M65**MAINTENANCE ROAD SIDE VEGETATION****CONTENTS**

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1. GENERAL

- .1 This Part specifies the requirements for the maintenance of roadside vegetation. Work shall be undertaken in accordance with Part M40 "Maintenance Pruning" and Part M48 "Herbicide Control of Vegetation on Road Sides".
- .2 Documents referenced in this Part are listed below:
 - (a) Part M40 "Maintenance Pruning"
 - (b) Part M48 "Herbicide Control of Vegetation on Road Sides"
 - (c) Clause M06.4. "Recording and Reporting Requirements"
 - (d) Clause M50.7 "Maintenance Activity Zone"
 - (e) AS 1742.2
 - (f) Operational Instruction 20.1

2. QUALITY REQUIREMENTS

- .1 The Contractor shall prepare and implement a Quality Plan that includes detailed procedures for documentation and/or instructions as follows:
 - (a) Work instructions for trimming woody vegetation.
 - (b) Work instructions for the application of herbicide.
 - (c) Procedure for verify compliance to the 'protect action' requirements of Roadside Significant Sites.
- .2 If not provided beforehand, this documentation shall be submitted at least 28 days prior to the commencement of the Maintenance Period.

3. RESPONSE TIMES

- .1 Response time for herbicide treatment shall match the optimum time applicable to the targeted vegetation, for complete eradication and as agreed to by the Superintendent.
- .2 Response time for vegetation control (RV) shall be within 12 months of being aware of the defect reaching the intervention level.
- .3 Response time for mowing (RM) shall be within 6 weeks of being aware of the defect reaching the intervention level.
- .4 Rectification of any specific maintenance defects (RR) shall be undertaken within the timeframes agreed to between the Superintendent and the Contractor.

4. RECORDS AND REPORTING

- .1 The Contractor shall maintain records of herbicide spraying and "immediate hazard" removal of vegetation in accordance with Clause M06.4. "Recording and Reporting Requirements".

5. ADDITIONAL REQUIREMENTS

- .1 The Contractor shall maintain vegetation within the Maintenance Activity Zone (MAZ). Where the Contractor proposes to work outside the Maintenance Activity Zone, the Contractor shall seek to vary the Maintenance Activity Zone, in accordance with Clause M50.7 "Maintenance Activity Zone".
- .2 The Contractor shall:
 - (a) not remove vegetation with a butt diameter greater than 150 mm or 100 mm for multi-stemmed without prior approval from the Superintendent;
 - (b) not remove vegetation outside the Maintenance Activity Zone;
 - (c) advise the Superintendent 14 days prior to removing woody vegetation within the Maintenance Activity Zone; and
 - (d) areas in which proclaimed weeds have been identified must not be mowed /slashed once weed seeds are present.
- .3 In these areas, the Contractor shall not mow/ slash without out first contacting the local Natural Resources Management Board Land Management Officer who will determine the appropriate time to slash to avoid spread of proclaimed weeds.

6. HOLD POINTS

- .1 There are no Hold Points referenced in this Part.
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7. ATTACHMENT M65A MAINTENANCE ACTIVITIES MOWING (RM)**Application**

.1 This standard applies to the control of annual growth by mowing or slashing.

Defects	Intervention Level	Compulsory Intervention Level	Performance Requirement
<p>Routine Maintenance: Excessive growth.</p> <p>Growth impeding 'sight distance' or safe passage over the carriageway.</p>	<p>Defects of a kilometre length with growth greater than</p> <p><u>Urban</u> areas where;</p> <ul style="list-style-type: none"> On Grassed medians and shoulders growth exceeds 120 mm high On Kerbs and shoulders growth protrudes 180 mm into the pavement On Verges growth exceeds 250 mm high <p><u>Rural</u> areas where;</p> <ul style="list-style-type: none"> On Medians, growth exceeds 180 mm high On Grassed Shoulders: growth exceeding 300 mm RAM A & B or 350 mm RAM C & D On Verges growth exceeds 500 mm high <p>MDR Recording: Defects reaching Intervention Level shall be recorded on the MDR as RM.</p>	<p>Defect in:</p> <p><u>Urban</u> areas where;</p> <ul style="list-style-type: none"> On Grassed medians and shoulders growth exceeds 200 mm high On Kerbs and shoulders growth protrudes 300 mm into the pavement On Verges growth exceeds 400 mm high <p><u>Rural</u> areas where;</p> <ul style="list-style-type: none"> On Medians, growth exceeds 300 mm high On Grassed Shoulders: growth exceeding 500 mm RAM A & B or 600 mm RAM C & D On Verges growth exceeds 800 mm high <p><u>Site Distance:</u> for both urban and rural areas, the stopping sight distance shall be maintained to the distance defined in AS 1742.2 Table 2.3.</p>	<p>URBAN: Grassed areas: growth < 50 mm Roadsides or verges: growth < 100 mm</p> <p>RURAL: Grassed areas: growth < 75 mm Roadsides or verges: growth < 150 mm. Extent: Where practical:</p> <ul style="list-style-type: none"> to the edge of shoulder; at guide posts, limit control to a maximum width of 2.0 m behind the posts; at intersections and junctions extend control to include "stopping sight distance", (as specified in the AS 1742.2 Table 2.3. on medians 6 m or less in width, the whole median shall conform; between divided carriageways exceeding 6 m in width, control growth to a maximum of 1 m behind the line of the guide posts. <p>Appearance: Growth control against structures and roadside furniture shall be consistent with the adjacent mown area.</p> <p>Environmental: No spread of proclaimed weeds through slashing / mowing.</p>

Special Requirements

.2 This activity includes edge trimming.

8. ATTACHMENT M65B MAINTENANCE ACTIVITIES HERBICIDE TREATMENT (RS)

Application

- .1 This standard applies for Pest Plant Control and Herbaceous Weed Control

Defects	Intervention Level	Compulsory Intervention Level	Performance Requirement
<p>Routine Maintenance: Excessive vegetation growth, declared pest plants and environmental weed growth within the Maintenance Activity Zone.</p> <p>Specific Maintenance: Nil</p>	<p>Defect where:</p> <p>Grassed Areas: Declared pest plants present.</p> <p>Unsealed areas: Declared pest plants or vegetation present.</p> <p>Sealed Areas: (ie. Pavement, medians and traffic islands): Declared pest plants, environmental weed growth or vegetation present.</p> <p>MDR Recording: Defects reaching Intervention Level shall be recorded on the MDR as RS.</p>	<p>Defect where:</p> <p>Grasses Areas: Declared pest plants present with height or spread >300mm or setting seed.</p> <p>Unsealed Areas: Declared pest plants, environmental weed growth or vegetation present with height or spread >300mm.</p> <p>Sealed Areas: (ie. pavement, medians and traffic islands): Declared pest plants, environmental weed growth or vegetation present with height or spread >200mm.</p>	<p>Grassed Areas No declared pest plants present.</p> <p>Unsealed areas No declared pest plants or vegetation present.</p> <p>Sealed areas (i.e. pavement, medians and traffic islands): No declared pest plants, environmental weed growth or vegetation present.</p> <p>Extent: Shall not exceed the parameters of Maintenance Standard for the asset element.</p> <p>Drift: No "off target" damage.</p>

Special Requirements

- .2 Work shall be undertaken in compliance with Part 48M "Herbicide Control of Vegetation on Roadsides".
- .3 Herbicide treatment shall match the optimum time applicable to the targeted vegetation, for effective control.
- .4 A herbicide schedule needs to be included in the contract for the Contractor to complete to inform DPTI what chemicals are being used.
- .5 Proclaimed pest plants, environmental weed growth or vegetation exceeding CIL shall be physically removed.

9. ATTACHMENT M65C MAINTENANCE ACTIVITIES VEGETATION CONTROL (RV/RR)

Application

.1 This standard applies to the control of woody vegetation by tree pruning and removal.

Defects	Intervention Level	Compulsory Intervention Level	Performance Requirement
<p>Routine Maintenance: Woody vegetation growth within the Maintenance Activity Zone:</p> <ul style="list-style-type: none"> impeding drainage flows. restricting sight distance. <p>Specific Maintenance:</p> <ul style="list-style-type: none"> trees with a butt diameter greater than 150mm or multi-stemmed trees with a butt diameter greater than 100mm that require removal 	<p>Defects where vegetation:</p> <ul style="list-style-type: none"> protrudes below 5 m above the carriageway. protrudes past the line of the guideposts, restricts sight distance, <p>MDR Recording: Defects reaching Intervention Level shall be recorded on the MDR as RV.</p> <p>Specific Maintenance shall be recorded on the MDR as RR.</p>	<p>Defects where vegetation:</p> <ul style="list-style-type: none"> protrudes, below 4.6 m above the travelled way, protrudes, to within 1 m of the edge of the travelled way, obscures road side furniture, from the approach sight distance, impedes drainage flows causing flooding, is within 500 mm of the median kerb line, to a height of 2.5 m. <p>Vegetation that presents an immediate hazard to road users.</p>	<p>Vertical clearance: To the full extent shown in Operational Instruction 20.1.</p> <p>Lateral clearance: To the full extent shown in Operational Instruction 20.1.</p> <p>Sight distance: In accordance with AS 1742.2 Table 2.3.</p>