

DEPARTMENT *of* INFRASTRUCTURE, ENERGY *and* RESOURCES
TASMANIA
ROADWORKS SPECIFICATION
R35 – WATERWAY CLEARING and SCOUR REPAIR
November 2010

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R35.1 SCOPE

This Specification sets out the requirements for;

- The clearing of vegetation and debris from bridge and culvert waterways, including the structure, and
- The reinstatement of scour and erosion damage in bridge and culvert waterways.

R35.2 REFERENCES

This Specification shall be read in conjunction with the following specifications

- G1 – General Provisions/MG1 Maintenance General Provisions
- G2 - Contract Management Plan/MG2 Maintenance Contract Management Plan
- G3 – Traffic Management

R35.3 DEFINITIONS

None

R35.4 REQUIREMENTS

R35.4.1 General Requirements

All detritus and debris shall be removed from the site and disposed of at an approved dumpsite.

R35.4.2 Extent of Area

The extent of clearing shall be between the road reserve boundaries, within the tops of the waterway banks and all areas between, unless otherwise directed by the Superintendent. The scour and erosion repair works shall extend over the scoured and eroded area unless otherwise defined in this Specification or on the drawings.

R35.4.3 Waterway Clearing

Where the flow of water is impeded or saplings will damage the structure if not removed, clearing shall be by:

- The removal of soil or accumulated flood debris
- The felling of trees
- The grubbing of tree roots
- The application of herbicide
- The cutting of grasses within the waterway to a length of not less than 200 mm.
- Other methods as approved by the Superintendent.

Any damage to batters, including the grass covering, shall be reinstated.

R35.4.4 Weed Management

Control of declared and other weeds shall be in accordance with Specification R76.

The application of herbicide, where approved by the Superintendent, shall be by spot treatment only.

R35.4.5 Reinstatement of Scour and Erosion Damage

Surface waterways shall be reinstated so that the alignment of the affected bank has a profile consistent with the surrounding bank. There shall be a smooth transition between the reinstated bank/riverbed and the existing bank/riverbed.

For areas susceptible to erosion, the treatment of the vegetation may be modified after consultation with the Superintendent to assist in the stabilisation and rehabilitation of the drainage path.

Protection may be introduced to areas prone to scour after consultation with the Superintendent to prevent future problems.

All proposed reinstatement works shall be approved by the Superintendent.

R35.4.6 Disposal of Material

All material to be disposed of shall become the property of the Contractor unless otherwise stated in the Specification. The Contractor shall arrange suitable off-site disposal areas for all such material. All such material including detritus and debris shall be removed and disposed in accordance with all relevant legislation and Standard Specifications G1 General Provisions/MG1 Maintenance General Provisions and G2 Contract Management Plan/MG2 Maintenance Contract Management Plan.

R35.5 PERFORMANCE CRITERIA

R35.5.1 Maintenance in Construction Contracts

The Intervention Level and the condition following treatment are set out in **Table R35.1 Intervention Levels Construction Contracts**.

Table R35.1 Intervention Levels Construction Contracts

ROUTINE MAINTENANCE TREATMENT	INTERVENTION LEVEL	CONDITION AFTER TREATMENT
Stream Clearing (full reservation width - situation non-flooding)	Any vegetation or debris that: prevents the free flow of water, threatens the integrity of the bridge sub-structure or adjacent stream-control facility or is caught up on the pier cross- heads or abutment sills.	Water way and bridge structure clear of obstructions.
Scouring or Erosion	Any scouring or erosion that threatens the integrity of the structure and/or surrounding embankments.	Repaired in accordance with clause R35.3.5.

R35.5.2 Network Maintenance Contracts

The Intervention Level and the condition following treatment are set out in **Table R35.2 Intervention Level Network Maintenance Contracts**.

Table R35.2 Intervention Level Network Maintenance Contracts

ROUTINE MAINTENANCE TREATMENT	INTERVENTION LEVEL	CONDITION AFTER TREATMENT
Stream Clearing (full reservation width - situation non-flooding)	As specified in the Contract	Water way and bridge structure clear of obstructions.
Scouring or Erosion	As specified in the Contract	Repaired in accordance with clause R35.3.5.

R35.6 PAYMENT

R35.6.1 Maintenance in Construction Contracts

Payment shall be at the relevant Scheduled rate and shall include the provision of all plant, labour and materials required and the disposal of waste. Payment for the maintenance management of waterway clearing and scour repair shall include payment for: stream clearing, scouring or erosion. Payment shall be on a pro-rata basis over the contract period (ref schedule of rates 3.38/3.39).

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R35.6.2 Network Maintenance Contracts

Payment shall be in accordance with the relevant clauses and attachments in the Basis of Payment section of the Contract and shall include the provision of all plant, labour and materials required and the disposal of waste.