

54.5 STEAMING CULVERTS

54.5.1 GENERAL

This Work consists of removing ice blockages from inside culverts and around culvert inverts.

54.5.2 EQUIPMENT

The Contractor shall supply the following type of equipment:

- ! High pressure water steamer capable of delivering hot water at a minimum capacity of 1050 l/h, while operating at a minimum operating pressure of 20 Mpa. The nozzle shall have an input rating of not less than 420,000 kJ/h.
- ! A water tank with a minimum capacity of 900 litres.
- ! A minimum of 50 m long steaming pipe to reach the entire length of the culvert.

The steaming unit shall be equipped with a hose of at least 100 m long.

54.5.3 PROCEDURES

Generally, the Contractor shall commence steaming at the downstream end of the culvert and continue until drainage has been achieved.

54.5.4 ACCEPTANCE CRITERIA

To be acceptable, this Work shall be performed such that backed up water drains without causing damage to any private or public property. The culvert shall be clear and there shall be no damage at the downstream end as a result of "opening" the culvert too quickly.

54.5.5 RESPONSE TIME

The Contractor shall respond within 2 hours of the issuance of the Work Order.

54.5.6 MEASUREMENT AND PAYMENT

Measurement will be in hours (to the nearest ¼ hour) for the time spent travelling to and from the worksite, travelling between worksites and engaged in the Work in accordance with the following:

- ! the maximum allowable travel time from the nearest shop to the worksite will be one hour
- ! the maximum allowable travel time from the worksite to the nearest shop will be one hour
- ! travel time between worksites will be based on the shortest distance between sites
- ! travel time shall be reported separately on a daily crew worksheet
- ! two 15 minute coffee breaks per day will be allowed (no deduction)

Payment will be made at the unit price bid per hour for "Steaming Culverts". This payment will be full compensation for travel time, steaming the culvert, steaming ice blockages at the culvert inverts, and all labour,

materials, equipment, tools and incidentals necessary to complete the Work.

Payment will not be made for downtime for repair, refuelling or maintenance of equipment nor for the time spent hauling replacement equipment to the worksite.

54.5.7 WARRANTY

There is no warranty period for this Work.