

54.5 STEAMING CULVERTS

54.5.1 GENERAL

This Work consists of removing ice blockages from inside culverts.

54.5.2 MATERIALS

The Contractor shall supply all materials necessary to complete the Work.

54.5.3 EQUIPMENT

The Contractor shall supply the following type of equipment:

- a) High pressure water steamer capable of delivering hot water at a minimum capacity of 1064 L/h, while operating at a minimum operating pressure of 21 MPa. The nozzle shall have an input rating of not less than 422,162 kJ/h.
- b) A water tank with a minimum capacity of 2200 litres.
- c) 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.

54.5.4 PROCEDURE

Traffic control and signing shall be performed in accordance with Specification 55.1, Traffic Accommodation and Temporary Signing.

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

The Contractor shall ensure that backed-up water will drain without causing damage to any private or public property.

54.5.5 RESPONSE TIME

The Contractor shall respond within 2 hours of the issuance of the Work Order and complete the Work in a diligent manner.

54.5.6 MEASUREMENT AND PAYMENT

Measurement will be made of the number of hours required to clear culverts.

Payment will be made at the unit price bid per hour for "Steaming Culverts". This payment will be full compensation for steaming the culvert, traffic accommodation and signing and all labour, materials, equipment, tools and incidentals necessary to complete the Work.

54.5.7 WARRANTY

There is no warranty period for this Work.