



2105 - SPECIFICATION FOR REMOVAL AND DISPOSAL OF FRAMED TIMBER CULVERTS

2105 - 1 DESCRIPTION

- 1.01 The work shall consist of the removal, in whole or in part, of embedded timber culverts shown on the plans or as designated by the Engineer.
- 1.02 The work shall also include cleaning materials having a salvage value, removing spikes and pins, storing materials suitable for re-use, and disposing of materials not suitable for re-use.
- 1.03 For the purpose of this specification, a framed timber culvert will be defined as a timber drainage structure having a clear span of 90 centimetres or greater and a clear height greater than 60 centimetres.

2105 - 2 MATERIALS

2105 - 3 CONSTRUCTION

- 3.01 If a wood component having a salvage value is damaged beyond use, the Contractor shall replace the damaged portion with a component of equivalent type, length, size and quality at no direct expense to the Department.
- 3.02 Excavation shall be as staked by the Engineer and in accordance with the requirements for Earth Excavation (Specification 2250) and/or Disposal of Surplus Rock (Specification 2350). Excavation necessary for the removal of the framed timber culverts may be carried out by any method that does not damage the culvert.
 - (a) Removal of Timber Culverts
 - (i) Unless permitted by the Engineer, explosives shall not be used for the removal of timber culverts.
 - (ii) Timber culverts suitable for re-use shall be dismantled in the reverse order of erection.
 - (iii) Wooden components shall not be left in the subgrade.
 - (b) Cleaning and Storing Usable Timber Culvert Materials
 - (i) Materials having a salvage value shall be cleaned, cut if necessary, and stored at sites shown on the plans or as designated by the Engineer. The sites will be within the contract limits.
 - (c) Disposal of Non-Usable Timber Culvert Materials
 - (i) Wood shall be burned when burning is permitted or disposed of in disposal pits. Spikes, pins, and other hardware shall be disposed of as directed by the Engineer.

- (ii) The Engineer will determine when acceptable earth material from disposal pits can be used in the construction of embankments. Surplus material from disposal pits shall be disposed of as directed by the Engineer. A minimum of 30 centimetres of earth is required over the buried debris. The ground surface shall be restored and levelled.

2105 - 4 MEASUREMENT

- 4.01 Removal and Disposal of Framed Timber Culverts will be measured in metres. Measurements will be taken along the invert, including sloped ends and wing walls, parallel to the barrel of the timber culvert.

2105 - 5 PAYMENT

- 5.01 Payment for REMOVAL AND DISPOSAL OF FRAMED TIMBER CULVERTS will be at the contract unit price per metre. The unit price will be full compensation for removing and dismantling, cutting, cleaning, hauling, and storing or disposing of the timber culverts.
- 5.02 Payment for excavation will be in accordance with the requirements for Earth Excavation (Specification 2200) and/or Rock Excavation (Specification 2250) and/or Disposal of Surplus Rock (Specification 2320).
- 5.03 If material excavated from disposal Pits is not used in the construction of embankments, the excavation will not be paid for directly but will be considered as a subsidiary obligation of the Contractor under other contract items.