

## **54.8 REMOVAL OF CULVERTS**

### **54.8.1 GENERAL**

The Work consists of removing existing culverts(less than 1500 mm in diameter), from roadways and approaches and disposing of the culvert material.

### **54.8.2 MATERIALS**

All culvert materials removed shall become the property of the Contractor.

### **54.8.3 PROCEDURES**

When removal and disposal of existing culverts is required, the Contractor shall dispose of the culvert material at a suitable location. Disposal of culvert material within the right-of-way will not be permitted.

### **54.8.4 ACCEPTANCE CRITERIA**

Evaluation of the Work will be based on a visual inspection by the Engineer. To be acceptable, the Work must conform with the following:

- ! there is no settlement of the area backfilled,
- ! the culvert is properly disposed of, and
- ! the surrounding ditch/area is landscaped to the satisfaction of the Engineer.

### **54.8.5 TIME TO COMPLETE**

In urgent situations, the Contractor shall complete the Work within 14 calendar days of the issuance of the Work Order. In all other cases, the Contractor shall complete the Work within 60 calendar days of the issuance of the Work Order.

### **54.8.6 MEASUREMENT AND PAYMENT**

#### **54.8.6.1 Removal and Disposal of Culverts**

Measurement will be made in metres of the total length of pipe removed, including sloped ends.

Payment will be made at the unit price bid per metre for "Culverts - Remove and Dispose". This payment will be full compensation for the removal and disposal of the culvert material, and all labour, equipment, tools and incidentals necessary to complete the Work.

#### **54.8.6.2 Excavation for Removal of Culverts**

Measurement will be made in cubic metres of the volume of the excavation required to remove the culvert (less the volume of the culvert).

Payment will be made at the unit price bid per cubic metre for "Culverts - Excavation and Backfill". This payment will be full compensation for excavating and salvaging or disposing of the excavated materials and backfilling the

new culvert or excavation with salvaged or new material. If new material is required for backfill, the Contractor shall supply such material suitable to the Engineer. Payment for the supply and haul of new backfill material will be made as Extra Work in accordance with Specification 51.2, General (For Maintenance Work).

#### **54.8.6.3 Reduced Time to Complete**

In urgent situations where the Contractor is required to complete the Work within 14 calendar days of the issuance of the Work Order, an additional payment will be made at the unit price bid per occurrence for "Culvert Removal - Premium". This payment will be full compensation for complying with the accelerated scheduling required to complete the Work. If the culvert removal is performed in conjunction with the installation of a new culvert under Specification 54.9, Supply and Installation of Culverts, only one of the "premium" payments will be paid. (Culvert Installation - Premium or Culvert Removal - Premium)

#### **54.8.6.4 Traffic Control for Centreline Culverts**

When a highway centre-line culvert is removed, a supplemental payment will be made at the unit price bid per metre of pipe removed for "Centre-line Culvert - Traffic Control". This payment will be full compensation for the additional traffic control involved in removing the culvert.

#### **54.8.7 WARRANTY**

There is no warranty period for this Work.