

## **53.1 EXCAVATION AND BACKFILL**

### **53.1.1 GENERAL**

The Work consists of excavating asphalt mixtures, soil cement, subgrade soil and/or granular materials from roadways, ditches, approaches for pavement patching, gravel roadway strengthening or culvert installation work. The excavated materials shall be salvaged, stockpiled and reused as backfill or disposed of as directed by the Engineer.

### **53.1.2 MATERIALS**

No materials are required for this Work.

### **53.1.3 EQUIPMENT**

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

### **53.1.4 PROCEDURE**

All Work shall be performed during daylight hours only, unless adequate lighting exists which provides visibility of at least 700 metres and prior approval of the Engineer is obtained. No Work shall be performed when the visibility is less than 700 metres.

The Contractor shall perform traffic control in accordance with Specification 55.1, Traffic Accommodation and Temporary Signing.

The Contractor shall excavate material to the widths and depths specified by the Engineer. The excavated material shall be salvaged and stockpiled for use as backfill material or disposed of as determined by the Engineer. The excavated material shall be disposed of when performing pavement patching work. When excavating on roadways, the depth of excavation shall not exceed 900 mm unless otherwise directed by the Engineer.

Backfilling operations shall commence immediately following the completion of the excavation. If the salvaged material is used, it shall be placed and compacted in the excavated area to required thickness as directed by the Engineer. Any other granular or asphalt mix material required for backfilling shall be produced and placed in accordance with the applicable specifications for the type of work performed.

### **53.1.5 TIME TO COMPLETE AND SCHEDULING WORK**

The Contractor shall complete the Work within 60 calendar days of the issuance of the Work Order and in conjunction with culvert installation and pavement patching work.

### **53.1.6 MEASUREMENT AND PAYMENT**

#### **53.1.6.1 Excavation**

Measurement for excavating asphalt, soil cement, granular or subgrade materials will be in cubic metres based on the volume of excavated material in its original position.

Payment will be made at the unit price bid per cubic metre for "Excavation". This payment will be full compensation for excavating and salvaging or excavating and disposing of the material, traffic accommodation and signing and all labour, equipment, tools and incidental necessary to complete the Work.

Measurement and payment for the haul of excavated material designated for disposal will be made in accordance with Specification 55.2, Hauling.

#### **53.1.6.2 Backfill**

Measurement for backfilling excavations with salvaged material will be in cubic metres based on the volume of the backfill material in its final compacted position.

Payment will be made at the unit price bid per cubic metre for "Backfill with Salvaged Material". This payment will be full compensation for placing and compacting the salvaged material, traffic accommodation and signing and all labour, equipment, tools and incidentals necessary to complete the Work.

Measurement and payment for other granular or asphalt mixture materials used for backfilling excavations will be in accordance with the applicable specifications for the type of work performed.

#### **53.1.7 WARRANTY**

There is no warranty period for excavation Work. The warranty period for backfilling with salvaged material shall be 1 year.