

## SECTION 211

### EXCAVATION OVERHANGING ROCK AND ROCKSLIDE DEBRIS

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#### **211.01 DESCRIPTION**

This work shall include labour and materials required to excavate overhanging rock and rockslide debris from the faces of existing rock cuts, the hauling up to 1 kilometre and the placing and compaction of the material in fills.

Overhanging rock shall be excavated to the slope as staked by the Owner's Representative.

Boulders or large rock fragments, from the excavated overhanging rock or from the rockslide debris shall be broken up with explosives, or by other means, such that the resultant pieces may be used as fill material on the job.

Ditches shall be thoroughly cleaned of all excavated overhanging rock and rockslide debris.

The Contractor shall take every precaution to avoid disturbing the existing shoulder of the road during their operations. However, should the shoulder be disturbed during the work, then the Contractor shall, at their own expense, restore the shoulder to its original condition and compact the shoulder.

The excavated material shall be hauled to a fill as directed by the Owner's Representative, and incorporated into the fill and compacted in accordance with Section 204. Should the material not be required for fill construction, then the material shall be trimmed along embankment slopes or elsewhere as directed by the Owner's Representative.

## **211.02 MEASUREMENT FOR PAYMENT**

The volume to be measured shall be the number of cubic metres, rounded to the nearest whole number, actually placed in a fill or other designated area as directed by the Owner's Representative.

Measurement will be made in excavation and will be from the cross section sheets showing the original ground lines and the completed and accepted excavation lines as cross sectioned. The volume of this excavation is to be computed by the average end area method of computation or as wedges or pyramids, as the case may be, when terminating at grade points.

No allowance will be made for material excavated before original cross sections have been made.

Large rock fragments which are too large to be incorporated into the fill shall be measured and their volumes subtracted from the cross section volumes. Calculations for volume of large rock fragments shall be the product of the three maximum rectilinear dimensions of the fragments.

## **211.03 BASIS OF PAYMENT**

Payment shall be at the contract unit price per cubic metre for Excavation Overhanging Rock and Rockslide Debris, hauled 1 kilometre or under, and such payment will be compensation in full for all operations herein described.

However, where the Owner's Representative requires that materials be hauled in excess of the 1 kilometre freehaul before being placed, additional payment for overhaul will be made in accordance with Section 215.