

# FORM 211



GOVERNMENT OF NEWFOUNDLAND AND LABRADOR  
Department of Transportation and Works  
Highway Design Division

## SECTION 211

### EXCAVATION OVERHANGING ROCK AND ROCK SLIDE DEBRIS

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##### **211.01 DESCRIPTION**

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

Overhanging rock shall be excavated true to the slope as staked by the Engineer.

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

The excavated overhanging rock and rock slide debris shall be thoroughly cleaned out from the ditches.

The Contractor shall take every precaution to avoid disturbing the existing shoulder of the road during the operations.

However, should the shoulder be disturbed during the work, then the Contractor shall at his own expense restore the shoulder to its original condition and compact the shoulder.

The excavated overhanging rock and rock slide debris shall be hauled to a fill as directed by the Engineer, and incorporated into the fill and compacted in accordance with Section 204 "Grading of Fill". Should the material not be required for fill construction, then the material shall be trimmed along embankment slopes or elsewhere as directed by the Engineer.

##### **211.02 MEASUREMENT FOR PAYMENT**

The volume for payment shall be the net volume of Excavation Overhanging Rock and Rock Slide Debris actually placed in a fill.

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.

The volume for payment shall be measured in cubic metres rounded to the nearest whole number.

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### **211.03 BASIS OF PAYMENT**

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

However, where the Engineer requires that materials be hauled in excess of the 1 km freehaul before being placed, additional payment for overhaul will be made in accordance with Section 215 "Overhaul on Excavated Material", at the appropriate rate for Overhaul on Excavation Rock.