



**CONSTRUCTION SPECIFICATION FOR
RESTORING UNPAVED ROADWAY SURFACES**

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301.01 SCOPE

This specification covers the requirements for the restoration of unpaved roadway surfaces in preparation for its subsequent cover with a granular or surfacing course.

301.02 REFERENCES

This specification refers to the following standards, specifications, and publications:

Ontario Provincial Standard Specifications, Construction

OPSS 314 Untreated Granular, Subbase, Base, Surface Shoulder, and Stockpiling
OPSS 501 Compacting

Ontario Provincial Standard Specifications, Material

OPSS 1010 Aggregates - Base, Subbase, Select Subgrade, and Backfill Material

301.03 DEFINITIONS

For the purpose of this specification, the following definitions apply:

Restored Surface means unpaved roadway surfaces prepared to the required grades and density and ready for a subsequent cover of granular or surfacing courses.

Scarification means uniform loosening of the roadway surface to remove damaged areas such as ravelling and potholes.

Surfacing Course means any wearing course or courses placed on the roadway and consisting of hot mix asphalt (HMA), Portland cement concrete, bituminous cold mix, or surface treatment.

Unpaved Roadway Surface means surfaces that are typically existing granular, but may include sub-grade soil surfaces.

301.07 CONSTRUCTION

301.07.01 Method

Restoring roadway surfaces shall consist of the following:

- a) The scarification of the existing surface specified in the Contract Documents to a depth sufficient to remove potholes but not less than 75 mm.
- b) Restoring or reshaping the scarified material.
- c) Compaction of the scarified materials according to OPSS 501.
- d) Ensuring that the restored surface is within tolerance.

The scarified surface shall be maintained to the profile, cross-section, and density specified in the Contract Documents until Contract Completion or, if applicable, until any subsequent granular or surfacing course is completed.

Prior to scarification, roadway surfaces not more than 150 mm above grade shall be loosened and the materials removed to grade. Materials loosened from the roadway surface and reshaped or incorporated during the restoring operation shall not require loading, hauling, or moving other than by blading.

Contaminated or otherwise, unsuitable material, encountered during restoring operations shall be removed to a depth not greater than 150 mm and replaced with Granular A, according to OPSS 1010, and then compacted according to OPSS 501.

301.07.02 Surface Tolerances

The surface of the unpaved roadway shall be restored to the specified tolerances for the following types of surfacing courses.

301.07.02.01 Granular Courses

The restored surface shall not deviate more than the following:

- a) 30 mm from the specified grade and cross-section.

- b) 30 mm at any place as measured in any direction with a 3 m straight edge when the work is to prepare the subgrade for granular courses.
- c) 15 mm at any place as measured in any direction with a 3 m straight edge when the work is to prepare the granular surface for granular courses.

301.07.02.02 Bituminous Courses

The restored surface shall not deviate more than the following:

- a) 30 mm from the specified grade and cross-section.
- b) 30 mm at any place as measured in any direction with a 3 m straight edge when the work is to prepare the subgrade to receive full depth HMA.
- c) 10 mm at any place as measured in any direction with a 3 m straight edge when the work is to prepare the granular surface to receive HMA.

301.07.02.03 Portland Cement Concrete Courses

The restored surface shall not deviate more than the following:

- a) 10 mm from the specified grade and cross-section.
- b) 10 mm at any place as measured in any direction with a 3 m straight edge when the work is to prepare a granular surface to receive concrete pavement or concrete base.

301.07.03 Surface Widths

The restored surface width shall be as specified in the Contract Documents.

301.07.04 Management of Excess Material

Management of excess material shall be according to the Contract Documents.

301.09 MEASUREMENT FOR PAYMENT

301.09.01 Actual Measurement

301.09.01.01 Restoring Roadway Surfaces

Measurement of restored roadway surfaces shall be by area in square metres.

301.09.02 Plan Quantity Measurement

When measurement is by Plan Quantity, such measurement shall be based on the units shown in the clauses under Actual Measurement.

301.10 BASIS OF PAYMENT

301.10.01 Restoring Roadway Surfaces - Item

Payment at the Contract price for the above tender item shall be full compensation for all labour, Equipment, and Material to do the work.

301.10.02 Water

Payment for water for compaction shall be according to OPSS 501.

301.10.03 Additional Materials

Payment for additional granular materials shall be according to OPSS 314.