

**CONSTRUCTION SPECIFICATION FOR  
COLD MILLING OF ASPHALT PAVEMENT**

**INDEX**

<b>TS 3.15.01</b>	<b>SCOPE .....</b>	<b>2</b>
<b>TS 3.15.02</b>	<b>REFERENCES.....</b>	<b>2</b>
<b>TS 3.15.03</b>	<b>DEFINITIONS – Not Used .....</b>	<b>2</b>
<b>TS 3.15.04</b>	<b>SUBMISSION AND DESIGN REQUIREMENTS - Not Used .....</b>	<b>2</b>
<b>TS 3.15.05</b>	<b>MATERIALS - Not Used .....</b>	<b>2</b>
<b>TS 3.15.06</b>	<b>EQUIPMENT .....</b>	<b>2</b>
<b>TS 3.15.07</b>	<b>CONSTRUCTION.....</b>	<b>2</b>
<b>TS 3.15.08</b>	<b>QUALITY ASSURANCE - Not Used .....</b>	<b>3</b>
<b>TS 3.15.09</b>	<b>MEASUREMENT FOR PAYMENT .....</b>	<b>3</b>
<b>TS 3.15.09.01</b>	<b>Cold Milling of Asphalt Pavement .....</b>	<b>3</b>
<b>TS 3.15.10</b>	<b>BASIS OF PAYMENT .....</b>	<b>3</b>
<b>TS 3.15.10.01</b>	<b>Cold Milling of Asphalt Pavement - Item.....</b>	<b>3</b>

---

**TS 3.15.01            SCOPE**

This specification covers the requirements for the removal of the existing asphalt surface to a specified depth, including the disposal of the asphalt milled materials.

**TS 3.15.02            REFERENCES**

This specification refers to the following specifications and publications:

**Ontario Provincial Standard Specifications, Construction**  
OPSS 180 –            Management and Disposal of Excess Material            (Jan. 1994)

**TS 3.15.03            DEFINITIONS – Not Used**

**TS 3.15.04            SUBMISSION AND DESIGN REQUIREMENTS – Not Used**

**TS 3.15.05            MATERIALS – Not Used**

**TS 3.15.06            EQUIPMENT**

The milling equipment shall be self-propelled machine, designed and built for this type of work, that can be automatically controlled for grade and slope. The machine shall be able to mill flush to all curbs and gutters, maintenance holes, catch basins, etc.

**TS 3.15.07            CONSTRUCTION**

The locations to be ground shall be at all contract limits shown on the contract drawings, and where directed by the Commissioner.

The depth of removal shall be according to the contract drawings or as directed by the Commissioner.

During the pavement removal operation, contamination of the existing granular, or other reusable materials, shall be minimized.

When the roadway is to remain open to traffic after the daily shut down and full width pavement removal is required, the removal shall be done to essentially the same station for the full pavement width prior to the shutdown at the end of the day. Longitudinal differences in pavement elevations will not be permitted.

The surface remaining after the removal shall have a constant and continuous crossfall matching the final surface course crossfall. The surface remaining after removal shall have an even texture, and shall be free of significantly different grooves and ridges in all directions.

---

Removed asphalt material shall not remain on the roadway after completion of the day's operation.

When the removed material is to remain temporarily on the site due to construction operations, the removed material shall be temporarily placed on an asphalt or concrete surface until final disposition. Removed asphalt materials which are different, due to the removal equipment used or pavement type, shall be stockpiled in separate stockpiles.

All material shall become the property of the contractor and shall be disposed of off the site, in accordance with OPSS 180.

**TS 3.15.08                    QUALITY ASSURANCE – Not Used**

**TS 3.15.09                    MEASUREMENT FOR PAYMENT**

**TS 3.15.09.01                Cold Milling of Asphalt Pavement**

Measurement for the above item shall be the area, in square metres (m<sup>2</sup>), removed by cold milling. The payment shall be for the premarked area, prior to the removal.

If the contractor has been directed to remove more than the depth specified, payment will be prorated based on the maximum depth specified in the item.

**TS 3.15.10                    BASIS OF PAYMENT**

**TS 3.15.10.01                Cold Milling of Asphalt Pavement - Item**

Payment at the contract price for the above item shall be full compensation for all labour, equipment, materials and incidentals to do the work. Payment shall include, but not be limited to, the supply and operation of all milling equipment and the removal and disposal of milling materials.

No additional payment shall be made for hand chipping where the milling machine cannot reach.