

## SECTION 402 - REMOVAL OF PAVEMENT BY COLD PLANING

~~##This section cross references Section 407.~~

~~If Section 407 is relevant, it should be included in the specification.~~

~~If Section 407 is not included in the specification, all references to it should be struck out, ensuring that the remaining text is still coherent:~~

### 402.01 GENERAL

This section covers the requirements for removal of pavement by cold planing including the cleaning up, removal and disposal of the excavated materials.

### 402.02 COLD PLANING

Cold planing shall be carried out in a manner as to leave a uniform surface on a plane parallel with the ultimate finished surface of the pavement as shown on the drawings.

Cold planing machines have the following cutting drum characteristics:

- standard cutting drum with cutting tool spacing of 15 mm horizontally; and
- fine tooth drum with a cutting tool spacing of 8 mm (or less) horizontally.

The nominal depth and width of pavement to be removed shall be as specified in Clause 402.06. After planing, no point on the planed surface shall lie more than 15 mm below a 3 m straightedge placed on the planed surface in any direction.

In locations where removal and replacement of asphalt or pavement is required on the same day, the rate of cold planing including clean up shall be at a rate consistent with the asphalt replacement process to minimise the pavement area closed to traffic.

### 402.03 CLEANING UP AND DISPOSAL OF EXCAVATED MATERIAL

The planed surface shall be swept clean of all loose material prior to either diverting traffic onto the planed surface or placing asphalt.

~~The excavated material removed from the road shall either become the property of VicRoads, or the property of the Contractor, as specified in Clause 402.06.~~

~~If the material becomes the property of VicRoads, the Contractor shall load, transport and stockpile material into a neat pile at the nominated stockpile area as specified in Clause 402.06(d).~~

~~If the material becomes the property of the Contractor, The Contractor shall remove all such material from the site.~~

Prior to opening to traffic, placing asphalt, or leaving the site, the Contractor shall present a clean planed surface.

### 402.04 ASPHALT REPLACEMENT

Where work under the Contract includes replacement of excavated material with asphalt supplied and placed under Section 407, the following requirements shall apply:

- (a) Exposed granular pavement material shall be watered, re-compacted and, where specified, primed or heavily tack coated, or for larger areas, given a bitumen emulsion primerseal prior to placing asphalt.
- (b) Prior to opening to traffic, excavated areas shall be filled with hotmix asphalt. All transverse and longitudinal joints shall be constructed as cold joints in accordance with Clause 407.17 and new asphalt shall be compacted flush with the existing pavement in accordance with the requirements of Clause 407.22(a).

- (c) In the event of a breakdown in the supply or placing of asphalt in areas to be opened to traffic, the Contractor shall temporarily backfill or ramp down the cold planed area with cold mix asphalt or other suitable material which will support traffic loading and provide for the safe passage of traffic. Material so placed shall be removed prior to placing new asphalt as specified and the placing and removal of temporary backfilling shall be at the expense of the Contractor. Temporary ramping shall be carried out to the standards specified in Clause 402.05.

#### 402.05 TEMPORARY RAMPING

- (a) Longitudinal Edges

Any exposed longitudinal edges within the trafficked area shall be ramped down at a slope no steeper than 5 horizontal to 1 vertical by constructing a temporary wedge of hot mixed or cold mix asphalt.

- (b) Transverse Edges

Any exposed transverse edges within the trafficked area shall be ramped down by constructing a temporary wedge of hot or cold mix asphalt. Temporary ramping shall not be steeper than 20 horizontal to 1 vertical for traffic speeds of more than 75 km/h or 10 horizontal to 1 vertical for traffic speeds of 75 km/h or less.

- (c) Removal of Temporary Ramping

Before asphalt replacement, all temporary ramping shall be removed by cutting back along a straight line to expose a vertical face of fully compacted asphalt at the specified layer depth.

#### 402.06 SCHEDULE OF DETAILS ~~##[strikethrough items below which are not applicable]:~~

- (a) Type of Work

- (i) Removal of asphalt with a ~~##standard/fine tooth(strikethrough inappropriate option):~~ cold planer
- (ii) Cutting of tapered longitudinal chases against kerb and channel, median openings, and side streets
- (iii) Cutting of tapered transverse chases
- (iv) Excavation of granular pavement material
- (v) Profiling of concrete pavement
- (vi) Removal and replacement of asphalt in accordance with Section 407 of this specification

\*\*\* (b) Nominal area and depth of removal: ~~##: m<sup>2</sup> \_\_\_\_\_ ##: mm (Clause 402.02)~~  
**REFER TO DRAWINGS**

\*\*\* (c) Nominal width of removal: ~~##: m (Clause 402.02)~~  
**REFER TO DRAWINGS**

~~\*\*\* (d) Planed material shall become the property of VicRoads and be stockpiled at ##: (Clause 402.03).~~

\*\*\* (e) Planed material shall become the property of the Contractor and shall be removed from the site (Clause 402.03).