

## 1.0 GENERAL

### 1.1 Scope

- 1.1.1 The work shall consist of the removal of asphaltic concrete pavement by cold planing to the lines, grades and cross-sections shown on the plans or as designated by the Engineer. Included shall be all planing, sweeping, loading, hauling and disposal, handwork along gutter lines, additional work around manholes, catchbasins, valves and other appurtenances.

### 1.2 Related Sections

- 1.1.1 Section 02010 – Sawcutting
- 1.1.2 Section 02050 – Concrete Removal
- 1.1.3 Section 02070 – Asphalt and Concrete Removal

## 2.0 PRODUCTS

### 2.1 Equipment

- 2.1.1 The equipment for removing the asphaltic concrete pavement shall be a machine capable of performing the work in accordance with the specifications.
- 2.1.2 Equipment shall be able to perform work as specified and should have the power, traction and stability to remove a thickness of bituminous surface to a specified depth, and provide a uniform profile and cross slope. Equipment shall be capable of accurately and automatically establishing profile grades (within  $\pm 10$  mm) along each edge of the machine by referencing from the existing pavement by means of a ski or matching shoe, or from an independent grade line. Equipment shall have an automatic system for controlling grade elevation and cross slope and shall be equipped with a means to effectively control dust generated by the cutting operation.

## 3.0 EXECUTION

### 3.1 Construction

- 3.1.1 Prior to commencing the work, the Contractor shall determine the location of any underground utilities or services that may be damaged during the milling operations and shall be responsible for contacting each agency for locating services.
- 3.1.2 The surface resulting from the cold planing operation shall be in accordance with the plans and specified grades, and shall be characterized by uniform, discontinuous longitudinal striations or other uniform pattern and shall not be gouged, rutted, torn, or otherwise damaged by the cold planing operation.

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- 3.1.3 All loose material shall be removed from the milled surface and surface swept clean with a power broom. The surface milled shall be free of salts and residue from winter maintenance materials.
  - 3.1.4 If the road is to remain open to traffic, longitudinal, and/or vertical drop-offs in excess of 50mm at a lane line or at centerline shall not be left overnight. When a drop-off exceeds 50mm, the drop shall be tapered or ramped prior to opening the road to traffic.
  - 3.1.5 The Contractor shall arrange for an inspection of the milled surface by the Engineer prior to paving with hot mix asphalt.
  - 3.1.6 Transverse faces existing at the end of a work period should be tapered in a manner approved by the Engineer to avoid a hazard for traffic.
  - 3.1.7 Asphaltic concrete that cannot be removed by cold planing equipment because of physical or geometrical restraints should be removed in accordance with Section 2070 Asphalt or Concrete Pavement Removal, or by other methods approved by the Engineer.
  - 3.1.8 If independent grade reference is required, it shall be designated in the plans and contract documents, and elevations shall be provided by the Engineer. Milled material shall be disposed of as specified or as directed by the Engineer.