

CITY OF ALBANY

Standard Specifications Technical Provisions

Section 13

Cold Planing

13-1 General — The work to be accomplished under these specifications includes such equipment, personnel, materials and skill as may be necessary to complete all operations associated with planing an existing bituminous pavement in accordance with these specifications.

As referenced in these specifications, the term “cold plane” is defined as milling the existing asphaltic concrete surface to a uniform depth of two (2) inches, except adjacent to existing curbs where the depth shall be one (1) inch.

13-2 Surface Preparation — Prior to commencing work, the existing pavement shall be cleaned of all loose material and all interfering pavement markers shall be removed. Power brooms shall be supplemented, when necessary, by hand brooming in order to bring the surface to a clean, suitable condition, free of deleterious material, acceptable to the Engineer.

13-3 Equipment

13-3.1 General — Only equipment conforming to these specifications shall be used and all such equipment shall be maintained in safe and satisfactory working condition at all times.

13-3.2 Planer — The equipment for removing the asphaltic concrete pavement shall be a commercially designed and manufactured machine capable of performing the work in a manner satisfactory to the Engineer.

The machine shall be power-operated and self-propelled, and shall have sufficient power, traction and stability to remove a thickness of bituminous surface to a specified depth, and provide a uniform profile and cross slope. The machine shall be capable of accurately and automatically establishing profile grades (within $\pm 1/8$ inch) 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. The machine shall have an automatic system for controlling grade elevation and

cross slope. The machine shall be equipped with a means to effectively control dust generated by the cutting operation.

13-4 Planing Operation — The nature and condition of the planer and the manner in which the work is performed shall be such that the pavement is not torn, gouged, shoved, broken, or otherwise damaged by the planing operation. The surface resulting from the cold planing operation shall be characterized by uniform, discontinuous longitudinal striations or other uniform pattern.

The Contractor shall furnish one or more planing machines and an experienced operator for each machine.

Removal shall consist of planing and cutting the pavement to form a keyway header cut or full width regrading, and removing the loosened material. If required by the Engineer, a one-inch minimum header shall be cut along structures to eliminate feathering and permit new asphalt concrete to be laid in full thickness.

Sufficient passes or cuts shall be made so that all irregularities and high spots are eliminated to the satisfaction of the Engineer.

Asphaltic concrete that cannot be removed by cold planing equipment because of physical or geometrical restraints will be removed by other methods acceptable to the Engineer.

The surface tolerance produced shall be such that a ten-foot straight edge laid laterally will indicate variances of less than 1/4 inch.

Before opening the milled surface to traffic, all loose material shall be removed from the milled surface and the surface swept with a power broom.

If the road is to remain open to traffic, longitudinal and vertical drop-offs in excess of two (2) inches at a lane line or at centerline shall not be left unattended.

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.

No aggregate shall remain on the project at the end of each work day. Aggregate material loosened and designated for removal shall become the property of the Contractor and shall be disposed off site, or may be incorporated as trench backfill or material in compliance with other applicable provisions of these Specifications.

13-5 Material Disposal — The Contractor shall remove and transport debris and rubbish in a manner that will prevent spillage on streets or adjacent areas. Clean up of spillage will be at the Contractor's expense.

All material removed from the site shall be disposed of at the Contractor's expense at a site designated and approved by the Engineer.

13-6 Measurement and Payment — Asphalt planing performed and completed in accordance with these specifications shall be paid for by the measured square yardage, regardless of depth as measured on site by the Engineer.

The contract unit price shall be full compensation for furnishing all labor, materials, equipment, tools and incidentals to complete the work specified, including but not limited to the hauling of milled material, replacement of vehicle detector loops, working around existing surface improvements and protecting adjacent improvements from damage, and no additional compensation shall be made therefor.