

Add the following Section:

SECTION 1122 COLD PLANING

1122-1 DESCRIPTION: This work consists of removing asphaltic concrete surfacing and/or PCC Gutter Lip by cold planing methods to the specified depth, width and cross section.

1122-2 EQUIPMENT: Equipment for planing asphaltic surfacing shall be self-propelled planing machines or grinders capable of removing a thickness of asphaltic concrete and/or PCC gutter necessary to provide profile and cross slope uniformly across the surface. Equipment shall have sufficient power, traction and stability to maintain accurate depth of cut and slope. Equipment shall be capable of accurately and automatically establishing a profile grade along each edge of the machine by referencing from existing pavement by means of a ski or matching shoe or from an independent grade control and shall have an automatic system for controlling cross slope at a given rate. Adequate loading equipment shall be provided to immediately remove materials being cut from the surface and discharge cuttings into a truck. Adequate personnel shall be provided to insure that all cuttings are removed from the surface daily. The machine shall be equipped with means to adequately control dust created by the cutting action and shall have a manual system providing for uniformly varying the depth of cut while the machine is in motion.

When cold planing of PCC gutter lip is required, the equipment shall be capable of removing the required material without spalling, over breaking or cracking the remaining concrete. If necessary, a portion of the cutting drum may be fitted with special teeth for removing PC Concrete.

Equipment for cleaning loose material from the surface after planing shall consist of sweepers or vacuum trucks equipped so as to produce little or no dust. Equipment that, in the opinion of the Engineer, produces excessive dust shall be removed from the Project and replaced with satisfactory equipment.

1122-3 CONSTRUCTION REQUIREMENTS:

General: If the entire roadway width has not been planed to a flush surface by the end of a work period, resulting in a vertical or near vertical longitudinal face exceeding 1-1/4 inches in height, this longitudinal face shall be sloped as directed. Transverse faces present at the end of a work period shall be beveled as directed. Satisfactory provisions shall be made at drives and turnouts to maintain local traffic.

Asphaltic concrete next to structures that cannot be removed by the planing machine shall be removed by other acceptable methods.

Pavement surfaces resulting from planing operations shall be uniform and free from loose material. After planing, all loose material shall be removed from the surface, including gutters where applicable, using sweepers or vacuum equipment as specified in Section 1122-2. It will be the Contractor's responsibility to provide for surface drainage of planed areas.

PCC gutter surfaces shall be smooth or grooved after cold planing. Groove depth shall not exceed 1/4".

On roadways that are open to traffic, pavement striping removed by planing shall be replaced with temporary pavement markings at the end of each day's planing operations. Payment for these temporary pavement markings shall be included in the price bid on cold planing.

All surfacing material removed by planing shall become the property of the Contractor and shall be disposed of by him outside the right-of-way.

All required joint repairs shall be made after planing.

Patching: Any required patching shall be performed before planing; however, if additional areas requiring are exposed by planing operations, such additional patching shall be performed prior to placing asphaltic concrete.

Within 72 hours of beginning the Cold Planing operation the Contractor shall begin the next scheduled operation and shall continuously prosecute the work until all cold planed surfaces are covered, except for those periods in which the work, in the opinion of the Engineer, can not be carried out because of adverse weather or for other reasons.

In the event that the base is left exposed to the elements for periods longer than defined in the preceding paragraph, any failures in the base occurring after the cold planing operation shall be repaired by the Contractor at his expense.

1122-4 MEASUREMENT: Measurement of cold planing will be made by the square yard of asphaltic concrete surfacing satisfactorily removed, and by the linear foot of PCC gutter satisfactorily cold planed.

1122-5 PAYMENT: Cold planing will be paid for at the contract unit price, which includes removal of asphaltic concrete surfacing and/or PCC gutter lip and disposal of removed materials.

1122-6 PAY ITEMS:

<u>Item No.</u>	<u>Item</u>	<u>Unit</u>
1122100	Cold Planing Asphaltic Pavement	Square Yard
1122200	Cold Planing PC Concrete Gutter Lip	Linear Foot