

SECTION 515

MILLING PAVEMENT

I. GENERAL

1.1. DESCRIPTION OF WORK

The Work shall consist of milling the existing surface of asphalt concrete roads in accordance with these specifications and in conformity with the lines, grades, and profiles shown on Drawings. The Contractor shall furnish all materials, equipment and labor necessary to mill existing asphalt roadway surfaces to the designated depth in preparation for pavement overlay.

1.2. EQUIPMENT

This item shall include all Work involved in the removal of asphalt as specified to satisfy finished grade and elevation by means of a cold planer. Milling shall be performed with a track-milling machine of a type that has operated successfully on a considerable mileage of Work comparable to that proposed to be performed under this contract.

1.3. SUBMITTALS

Samples of adjustment rings for utility castings shall be submitted for approval by the Owner prior to beginning the Work. The Contractor shall guarantee the availability of adjustment rings prior to beginning of Work.

II. EXECUTION

2.1. PROCEDURES

- A. The milling shall incorporate a machine capable of cutting at least two inches deep into flexible pavement while leaving a uniformly cut and drivable roadway surface capable of handling traffic prior to placement of the overlay. The ground speed of the machine shall be independent of the cutting equipment. The machine shall have a self-contained water system for control of dust and fine particles. The machine shall be capable of working in wet and dry conditions down to 32 degrees Fahrenheit. The width of the machine shall be such as to allow controlled traffic.
- B. Milling existing asphalt pavement shall be in reasonably close conformity with the grade of profile established by the Drawings.
- C. Where the pavement is to be resurfaced, a 1-inch shoulder shall be cut along the gutter line to eliminate the necessity of feathering the edge of the new surface.
- D. All asphalt surface material cut from the road surface by the planer, shall be removed by the Contractor and shall become the property of the Contractor.
- E. All areas showing excessive pavement or base fatigue or failure will be excavated to remove all unsuitable material and repaired as directed by the Owner.

- F. The milled surface shall be free from gouges, loose material, silt spots, vegetation ridges, soot, oil film, and other deleterious materials or imperfections of workmanship, and shall have a mosaic appearance suitable as a riding surface.
- G. Road and adjacent areas are to be cleaned daily of all rubbish, trash and debris.
- H. Milled streets shall be resurfaced within five (5) consecutive calendar days of milling operation, unless otherwise directed by the Owner.
- I. Milling elevations must be completed as close to utility castings as possible, with remaining asphalt surface to be removed by appropriate equipment or cut out by conventional methods. The finished grade of the structure cover shall match the surrounding finished roadway surface. (See Section 510 for the adjustment of utility structures.)
- J. Restoration, landscaping and seeding will be done on all areas disturbed by the removal and replacement asphalt and will be considered incidental without separate payment.
- K. Asphalt Concrete Resurfacing shall be performed in accordance with asphalt application procedures in Sections 315 or 315A, as appropriate.
- L. Transverse tie-ins on milled surfaces shall have a minimum taper of 12-inches.

III. MEASUREMENT FOR PAYMENT

- A. Milling, hand work (where applicable), materials, labor, equipment and clean up, including the removal and delivery of the cut material as well as incidental expenses, will not be measured as a separate pay item and shall be included in the unit price for Asphalt Concrete Pavement (Section 315 or 315A), unless otherwise specified on the Bid form.
- B. All asphalt surface material that is cut from asphalt road surface by the cold planer shall be removed by the Contractor and become the property of the Contractor. All costs involved in the removal and delivery of this cut material shall be included in the unit price for Asphalt Concrete Pavement (Section 315 or 315A), unless milling is specified as a separate item on the Bid form.
- C. Where milling is to be paid as a separate item, payment shall be made at the unit price per square yard, including the costs associated with the removal and disposal of cut material.

End of Section