

III. TECHNICAL SPECIFICATIONS

DIVISION 50

MILLING/PROFILING EXISTING ASPHALTIC SURFACE AND ROADWAY PREPARATION

50.01 SCOPE: The Contractor shall furnish all materials, equipment and labor necessary to mill/profile existing asphaltic surfaces, roadway preparations and shall consist of one or more passes of milling/profiling existing asphaltic surfaces and roadway preparations in accordance with these specifications and good construction practice.

50.02 MATERIALS: Applicable Sections

50.03 EXECUTION: Milling/profiling existing asphaltic surface and roadway preparation shall consist of one or more passes of milling/profiling existing asphaltic surface and roadway preparations in accordance with the Specifications and good construction practice and in addition shall meet the following requirements:

- A. Milling/profiling existing asphaltic surface in reasonably close conformity with the grade of profile established by the Engineer.
 - 1. The planed surface shall be free from gouges, ridges, sooting, oil film and other imperfections of workmanship and shall have a mosaic appearance suitable as a riding surface.
 - 2. The milling/profiling shall incorporate a machine capable of cutting at least two inches deep inflexible pavement while leaving a uniformly cut and drivable roadway surface capable of handling traffic prior to placement of the overlay. The machine must be capable of the following:
 - a. Ground speed shall be independent of cutter speed.
 - b. Self-contained water system for control of duct and fine particles.
 - c. Shall be capable of working in wet and dry conditions down to 32 degrees Fahrenheit.
 - d. Width shall be such to allow controlled traffic.
- B. Road and adjacent area to be cleaned daily of all rubbish, trash and debris.

- C. Milled streets to be resurfaced within five (5) consecutive calendar days of milling/profiling operation, unless otherwise directed by the Engineer.
- D. Milling/profiling must be completed as close to utility castings as possible, with remaining asphaltic surface to be removed by appropriate equipment or cut out by conventional methods.
- E. The milling/profiling work shall be performed with a pavement 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.
- F. Milling/profiling width and depth will be varied by Engineer's representative to accomplish desired results.
- G. In the event milling/profiling removes all existing asphalt concrete or unsuitable base is encountered, badly settled curb and gutter exists, the roadway preparation shall consist of the following:
 - 1. Asphalt Concrete Patching
 - a. Square cut patch area.
 - b. Excavate and dispose of excess asphalt, stone or base material to a depth of six inches (6") below adjacent pavement.
 - c. Fine grade and compact base for pavement section.
 - d. Tack side of existing pavement
 - e. Install and compact two (2) lifts for a total depth of six inches (6") of B-3 asphalt concrete.
 - f. If asphalt concrete patching is required, the patch work will be completed prior to the end of the day.
 - 2. Removal, disposal and replacement of portland cement concrete curb and gutter.
 - a. Remove existing portland cement concrete curb and gutter to the nearest joint.
 - b. Compact base and form to match type of existing portland cement concrete curb and gutter.
 - c. Work is to be in accordance with Division 22 with the exception that all

replaced portland cement concrete curb and gutter will match type and grade of existing portland cement concrete curb and gutter.

- d. Restoration, landscaping and seeding will be done on all areas disturbed by the removal and replacement of portland cement concrete curb and gutter and will be considered incidental without separate payment.

H. Asphalt Concrete Resurfacing shall be done in accordance with Division 42.

50.04 MEASUREMENT AND PAYMENT: Cost of all materials, labor and equipment as well as incidental expenses shall be included in the unit price for milling/profiling, roadway preparations and shall be measured and paid for as follows:

- A. Milling/profiling will be measured in square yards of pavement surface yards for the depth specified in the unit price table of the bid proposal.

In the event that the Contractor does not use the milled materials for recycling, the milled materials will be delivered to the City's maintenance yard, Scottie, located off Bainbridge Boulevard close to Military Highway, without separate payment.

- B. Asphalt Concrete Patching roadway preparation, which results from milling/profiling operations, will be measured and paid in square yards of completed-in-place.
- C. Removal and replacement of portland cement concrete curb and gutter will be measured in lineal foot of completed-in-place.