

**838 - GRINDING REHAB CONCRETE PAVEMENT**

**SECTION 838**

**GRINDING REHAB CONCRETE PAVEMENT**

**838.1 DESCRIPTION**

Grind the existing concrete pavement roadway surface to eliminate joint faulting, restore cross slope drainage, surface texture and riding characteristics.

**BID ITEM**

Grinding Concrete Surface

**UNITS**

Square Yard

**838.2 MATERIALS** - None specified.

**838.3 CONSTRUCTION REQUIREMENTS**

**a. Control Profilograph.** Using a California type profilograph, provide a control profilograph trace prior to performing any grinding. This control profilograph trace will be used to identify the required smoothness for the project.

**b. Finish Requirements.** Finish-grind the surface so that each segment has a final profile index a maximum of 35% of the control profilograph trace or 30 inches per mile whichever is greater. Correct all deviations in excess of 0.30 inch in a length of 25 feet within each section regardless of the profile index value.

After completing the pavement grinding, profile the pavement with the same California type profilograph used to establish control profilograph trace.

Determine a profile index in inches/mile for each section of corrected pavement surface. A pavement section is defined as a continuous area of finished pavement 0.1 mile in length and one 12 foot lane (nominal) in width. A partial section resulting from an interruption of the continuous pavement surface is subject to the same evaluation as a whole section.

Perform additional grinding to attain the required profile index provided the maximum depth of removal does not exceed 3/4 inch.

The Engineer may perform profilograph testing on the surface for monitoring and comparison purposes. The Engineer may test the entire project length if determined the Contractor's test results are inaccurate. If the Engineer performs profilograph testing on the project and determines the Contractor's results are inaccurate, the Contractor will be charged \$640.00 per mile per trace (minimum charge is \$800.00).

Correct any deficiencies in the final surface due to improper operation or equipment.

**838.4 MEASUREMENT AND PAYMENT**

The Engineer will measure grinding of concrete pavement surface by the square yard.

Pay adjustment per 0.1 mile section per lane will be based on the average of the profile index of the 2 traces per 0.1 mile section per lane. Payment will be made according to **TABLE 838-1**.

<b>TABLE 838-1: SCHEDULE FOR ADJUSTING PAYMENT FOR GRINDING EXISTING PAVEMENT</b>	
<b>Average Profile Index Inch per mile per 0.1 mile section</b>	<b>Contract Price Adjustment Per 0.1 mile section per lane</b>
10.0 or less	135.00
10.1 to 15.0	95.00
15.1 to 18.0	50.00
18.1 to 30.0	0.00

Payment for "Grinding Concrete Surface" at the contract unit price is full compensation for the specified work.