332.1 DESCRIPTION

This work consists of cold milling a portion of the existing asphalt concrete surface course and hauling and stockpiling the removed material.

332.2 MATERIALS

Cold milled asphalt concrete material shall be milled to provide a nominal one inch (25 mm) maximum size. A tolerance of five percent in material retained on a one inch (25 mm) sieve will be permitted, provided all material passes a 1-1/2 inch (37.5 mm) sieve.

332.3 CONSTRUCTION REQUIREMENTS

A. General: The material shall be removed by cold milling with the specified equipment, without the use of heat.

B. Equipment: The equipment for cold milling shall consist of a rotating drum equipped with teeth capable of removing material to a minimum depth of three inches (75 mm) in one pass, producing a uniform surface finish.

The cold milling machine shall establish a longitudinal profile grade within ±1/8 inch (±3 mm) referenced from a traveling stringline or erected fixed string line and shall be controlled by an automatic system for controlling grade. The cold milling machine shall be equipped so that the depth and transverse slope of the drum is manually or automatically controlled using the traveling or fixed stringline on either or both sides of the milling machine. The fixed stringline shall remain taut after being tightened.

The traveling stringline shall have a minimum effective length of 28 feet (8.5 meters). The traveling stringline shall be attached and positioned on the milling machine to reference the longitudinal profile. The traveling stringline shall utilize either mechanical skis or non-contacting grade averaging sensors. If mechanical skis are provided, the sensor of the control system shall rest midway between the traveling stringline.

Following milling of the first pass, adjacent passes shall be milled referencing the traveling stringline riding on the previously milled pass or a fixed stringline. A shoe attachment may be used to match an adjacent reference point when directed by the Engineer.

The drum shall be capable of tilting to allow feathering of edges to zero cut.

C. Construction Methods: The existing surface of the pavement shall be removed by milling to the depth, width, cross section and grade specified. The resulting milled surface shall be free of detrimental ridges or grooves.

The milled section shall be finished to the cross slope shown on the typical section +/- 0.2%. The quarter crown within any 12 foot (3.6 m) transverse length (or the actual lane width paved with a single paver pass) shall not exceed 0.04 foot (13 mm) when measured with a straightedge,

stringline, or other suitable equipment. The Engineer may order changes to the typical section if field conditions warrant.

All vertical cuts from cold milling operations left and right of the centerline shall be daylighted to the outside edge of the road to allow surface water to be drained off of the roadway. Daylighting shall be accomplished by methods satisfactory to the Engineer.

Loose material resulting from the milling shall be immediately picked up, and hauled to the stockpile sites. Prior to allowing traffic on the milled surface, the surface shall be thoroughly broomed free of remaining loose material.

332.4 METHOD OF MEASUREMENT

Cold milled asphalt concrete will not be measured. Plans quantity will be used. If changes from the plan quantity are ordered these areas will be measured and the plan quantity appropriately adjusted.

332.5 BASIS OF PAYMENT

Cold milling asphalt concrete will be paid for at the contract unit price per square yard (square meter) or as indicated in the plans.