

Designer Note: To be used for milling deteriorated pavement longitudinal joints at the depth determined by the Designer, 3' feet wide and placement of Hot-Mix Asphalt (HMA) surface mix in trench.

Do not use the Recurring Special, "Longitudinal Joint and Crack Patching" if using this District Special.

LONGITUDINAL JOINT REPAIR

Effective April 26, 2013 Revised July 1, 2021

This work shall include all labor, equipment and material required to mill out an area along and either side of an existing pavement longitudinal joint and replacement with hot-mix asphalt (HMA). The replacement HMA material shall be as specified in the HMA Mixtures Design Table in the plans. The removal shall be done with a cold milling machine of sufficient size and weight to remove the pavement to a depth of _____ and a width of three feet (3') in a single operation; skid steer-mounted mills will not be allowed. After cold milling the existing joint, all loose material shall be removed with a mechanical sweeper then air blast cleaned to the satisfaction of the Engineer. Any removal of material below the _____ and any hand placement of the HMA material prior to paving shall be paid in accordance to Article 109.04 of the Standard Specification.

Prior to placement of any HMA material, the milled trench shall be primed in accordance with Article 406.05 of the Standard Specifications using an SS-1HP bituminous material. The prime shall be applied at a residual rate of 0.08 lb./sq. ft. by means of a mechanical distributor and shall be placed on all surfaces of the milled trench.

The HMA mixtures and density control limits shall conform to Article 1030 of the Standard Specifications. Placement shall be a single lift by machine methods and shall match the profile of the existing pavement after final compaction. Compaction shall be accomplished using a vibratory roller that conforms to the applicable section of Article 1101.01 of the Standard Specifications.

The Contractor shall fill all trenches in the same day they are milled. No open trench will be allowed to remain overnight.

The partial depth removal of the pavement to a depth of _____ will be paid for at the contract unit price per Square Yard for HMA SURFACE REMOVAL – LONGITUDINAL JOINT.

The machine method of the HMA material will be paid for at the contract unit price per Ton for LONGITUDINAL JOINT REPAIR.