

Designer Note: To be used for milling deteriorated pavement longitudinal joints 3" inches deep, 2' feet wide and placement of Hot-Mix Asphalt (HMA) surface mix in trench.

When different depths and widths are needed, revise and use as a project specific special.

Consider when using BDE special "Longitudinal Joint and Crack Patching" before using the District version.

LONGITUDINAL JOINT REPAIR

Effective April 26, 2013 Revised August 1, 2014

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 three inches (3") and a width of two feet (2') 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 or vacuum, then air blast cleaned to the satisfaction of the Engineer.

Prior to placement of the HMA material, the milled trench shall be primed in accordance with Article 406.05 of the Standard Specifications using a SS-1hP bituminous material. The prime shall be applied at a residual rate of 0.05 Gal./Sq. Yd. 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 in 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 sections of Article 1101.01 of the Standard Specifications.

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

This work will be paid for at the contract unit price per Foot for LONGITUDINAL JOINT REPAIR.