

45100200 CRACK FILLING (LCDOT)

Effective: May 1, 2007

Revised: May 19, 2014

Description: This work shall consist of sealing transverse and longitudinal reflected cracks in existing hot-mix asphalt (HMA) pavement.

Materials: *The crack sealant shall be HI-SPEC Hot Applied Polymeric Sealant as manufactured by W.R. Meadows, Inc. or an approved equal. The material shall comply with the requirements of ASTM D6690, Type II and shall not contain any reclaimed rubber filler materials. Sampling and testing will be performed according to the provisions of Articles 106.03 and 106.04 of the "Standard Specifications".*

General: The work shall be performed according to Section 451 of the "Standard Specifications", the manufacturer's recommendations, and the following:

Temperature control:

The sealant manufacturer's instructions on application temperature shall be observed. The Contractor's sealant unit shall have available at all times an operating ASTM 11-F thermometer with an intact mercury column or a certified, calibrated digital pyrometer, electronic thermometer or equivalent direct reading temperature measurement device capable of reading within plus or minus five degrees Fahrenheit from 200 degrees Fahrenheit to 600 degrees Fahrenheit.

A log of product tank temperatures shall be recorded at one hour plus or minus ten minute intervals and kept available for inspection by the Engineer. Product tank temperatures shall be taken with one of the certified calibrated devices described above. Temperature gauge readings are not acceptable

Material that has been overheated in excess of 30 degree Fahrenheit above the manufacturer's recommended maximum temperature for one hour or 60 degrees for ½ hour shall be wasted at the Contractor's expense. The material shall not be placed if the temperature is below the manufacturer's recommended minimum application temperature.

The Contractor's procedures for loading material into the product tank shall not depress the sealant temperature at the wand tip below the manufacturer's recommended minimum application temperature.

Debris generated by pavement routing shall not be used to dust the uncured sealant. The pavement is to be swept clean before applying the sealant and opening to traffic.

The Contractor shall pay for any damage to the traveling public resulting from sealant application or sealant pullout. Sealant material picked up or pulled out shall be replaced at the Contractor's expense.

Method of Measurement: Filling of cracks will be measured for payment in pounds of sealant used. The quantity of sealant used will be determined by counting the containers of sealant used, multiplied by the indicated pounds of each container.

Basis of Payment: CRACK FILLING will be paid for at the contract unit price per pound. *The unit price shall include all equipment, materials and labor required to furnish and place the sealant.*