

## **SEALING EXISTING PAVEMENT CRACKS:**

(7-1-95) (Rev.7-18-06)

R6 R91

### **Description**

The work consists of sealing existing longitudinal and transverse pavement cracks with Sealant Type 2, PS/AR (hot-poured rubber asphalt) at locations as directed by the Engineer. The Contractor will not be required to seal the existing edge joints.

### **Materials**

Use Sealant Type 2, PS/AR (hot-poured rubber asphalt) in accordance with the requirements of Article 1028-2 Joint Sealer of the *2006 Standard Specifications*.

### **Construction Methods**

Install the sealant so that it forms a complete watertight bond with a high degree of elasticity, with maximum flexibility and longevity under extreme temperature ranges.

Use an HCA (hot compressed air) lance at all times to blast out any vegetation, dirt, dampness and loose materials from the cracks.

Use a concentrated hot air jet that is at least 3000°F in temperature and that has an air jet force of not less than 3000 feet per second of blasting.

Force open asphalt cracks, cleaned warm and dry, and make ready for the application of the preheated sealant for maximum crack sealability.

Preheat the sealant to correct temperature, using the air jacketed flow method to prevent the burning of the modified rubber in the sealant. Perform this by means of a trailer mounted 190 gallon safety tested crack sealant preheater melter kettle, with a horizontally mounted full sweep double paddle agitator.

Apply sealant in the prepared cracks at a temperature range of 370°F minimum and 420°F maximum, using the pressure screed shoe to completely fill the crack, leaving a sealed 2" overband. Excessive overbanding or waste of sealant materials will not be tolerated.

Do not apply the PS/AR sealant when the surface temperature of the pavement is below 32°F.

Seal all cracks with a minimum of 1/8" depth of sealant installed.

After the crack has been sealed, promptly remove surplus sealer on the pavement. Do not permit traffic over the sealed cracks without approval by the Engineer.

The sealant shall be packaged in polyethylene bags and placed in boxes, which weigh approximately 60 pounds. The sealant may be packed in 60 pound boxes containing two

polyethylene bags of sealant which weigh approximately 30 pounds each. Boxes of sealant are to be palletized for shipment. The pallets are to be protected with a weatherproof covering. The Contractor is responsible for storage.

**Measurement and Payment**

*Sealing Existing Pavement Cracks* will be measured and paid for as the actual number of pounds of material that has satisfactorily been used to seal pavement cracks in the designated highway. Any material that has been spilled, used in excessive overbanding, wasted, misapplied, or unsatisfactorily used in any way will be deducted in determining quantities for payment. The Engineer will determine the quantity, if any, to be deducted. The Engineer's decision on the quantity to be deducted will be final and binding. The above price and payment will be full compensation for all work required to seal the pavement cracks including but not limited to furnishing, hauling, loading and unloading, and storage of all sealant materials; cleaning and preparation of cracks to be sealed; application of sealant material in the prepared cracks; any clean-up; and any incidentals necessary to satisfactorily complete the work.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Sealing Existing Pavement Cracks	Pound