

ITEM 4040302 - WIDE CRACK REPAIR USING HOT APPLIED MASTIC:

1.0 Description:

The work under this item shall consist of furnishing all materials, personnel, and equipment to clean and repair cracks 1-1/2 inches or wider in existing asphaltic concrete pavements.

2.0 Material Requirements:

Mastic material shall be a hot-applied, prepackaged, pourable, aggregate filled, polymer modified asphalt mastic for repairing cracks or joints over 1-1/2 inches wide in asphaltic concrete pavement. When heated to the recommended application temperature the mastic material shall exhibit sufficient workability. Suitable products are Crafcoc Mastic One, Crafcoc Polypatch, Deery Level and Go Repair Mastic, Maxwell Gap products, or approved equal.

3.0 Construction Requirements:

3.01 Preparation of Cracks:

Immediately prior to application of mastic material, the contractor shall ensure that the cracks are thoroughly cleaned of loose particles, grass, grass roots, weeds, dust and other deleterious substances by means of high velocity compressed air, or by other methods approved by the Engineer. Compressed air equipment shall have traps or devices to prevent moisture and oil from contaminating the crack surfaces.

Cracks with juts shall be chiseled to provide a consistent surface for the mastic material to adhere, as approved by the Engineer.

All cracks to be sealed shall be cleaned through the full depth of the crack.

Mastic shall only be used for applications in accordance with the manufacturer's recommendations.

3.02 Equipment:

The mastic shall be heated in a melter approved by the mastic material manufacturer. The melter shall be capable of maintaining the application temperature. The melter shall be equipped with positive temperature controls, and with mechanical horizontal agitation. The melter shall be equipped with a thermometer that indicates the temperature of the mastic material in the hopper.

3.03 Application of Mastic Material:

Pavement temperature shall be 40 degrees F or higher and pavement shall be clean and dry.

Mix, heat, place, and finish the mastic material in accordance with the manufacturer's instructions. The material shall be applied in an overband configuration or as shown on the project plans. The overband shall exceed the deteriorated area a minimum of 2 inches on both sides to structurally sound pavement.

The finished installation shall be smooth and not exceed 1/8 inch thickness above the pavement surface.

Do not allow traffic on the repaired areas until the material has cooled to prevent tracking. Water may be applied to the material surface as needed to expedite cooling.

Mastic shall be installed according to the manufacturer's instructions.

4.0 Method of Measurement:

Wide crack repair using hot-applied aggregate filled mastic will be measured by the pound.

5.0 Basis of Payment:

The accepted quantities of wide crack repair using hot-applied aggregate filled mastic, measured as provided above, will be paid for at the contract unit price per pound, which price shall be full compensation for the work, complete in place, as described and specified herein, and as shown on the project plans.