**CITY OF DETROIT**

**SPECIFICATION**

**FOR**

**SAWING AND SEALING LONGITUDINAL JOINTS**

DET: GJM 1-07-2016

**Description**: The work consists of cutting and sealing longitudinal joints in newly placed HMA street surfaces along the line of the existing underlying concrete base longitudinal joints as located by the Engineer.

**Materials:** Hot Poured Joint Sealant used in the sealing of the sawed longitudinal joints shall be as specified in Section 914.04 of the 2012 MDOT Standard Specifications for Construction.

**Construction:** Equipment used in the sawing and sealing of the longitudinal joints shall be as specified in Section 502.03.A of the 2012 MDOT Standard Specifications for Construction.

Work shall be performed as shown on the City of Detroit Detail “Sawed Longitudinal Joint”. Saw along the longitudinal plane of weakness joint of the underlying concrete base pavement as located by the Engineer. Create a reservoir two (2) inches in depth and 1/8” in width. Ensure that the finished reservoir walls are vertical and the bottom flat. Place sealant level, or no greater than 1/8” below, the HMA pavement surface.

Place sealant at air temperatures from 45° F to 85° F. Do not place sealant if there is moisture present in the joint.

Allow the sealant to cool prior to opening the street to traffic. If necessary, apply de-tackifying solution to protect the uncured joint sealant from tracking. Do not use sand, aggregate, sawdust or paper. Repair sealed joints damaged by traffic at no additional cost to the City.

The Engineer, or Inspector, shall inspect the work for deficiencies, including areas showing adhesion failure, missed joints or other items the Engineer determines to be unacceptable. The Contractor shall correct these deficiencies at no cost to the City.

**Measurement and Payment:** The sawing and sealing of longitudinal joints will be measured by linear feet of joint sawed and sealed, and will be paid for at the Contract Unit Price, which price will be payment in full for furnishing all materials, equipment and labor for sawing, preparing and sealing the joints.

Pay Item Pay Unit

Sawed Longitudinal Joint Linear Feet