



Iowa Department of Transportation

SPECIAL PROVISIONS FOR HOT APPLIED DECORATIVE PAVING

Polk County

Project No.
SRTS-U-1945(768)--8U-77

Effective Date
March 20, 2012

THE STANDARD SPECIFICATIONS, SERIES 2009, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

097040.01 DESCRIPTION.

This work consists of construction of a 3/4 inch deep hot applied patterned textured paving compound. The hot applied patterned textured paving compound shall consist of applying a pattern that is imprinted with a mold to create the appearance of hand laid decorative paving. The treatment shall be applied according to the manufacturer's specifications.

097040.02 MATERIALS.

Hot applied patterned textured paving compound shall be a full-thickness colored, hot-applied compound developed specifically for use on HMA or PCC surfaces. The material consists of a mixture of graded course aggregate, graded silica sand, gum tree resin, and fibers.

All installations of hot applied patterned textured paving compound are to be undertaken by manufacturer-certified installers.

Hot applied patterned textured paving compound shall be TrafficPrint as provided by Traffic Management USA, Brick Print as provided by JustSeallt, or Imprint as provided by Dynamic Surface Application Ltd.

097040.03 CONSTRUCTION.

Install material 3/4 inch deep. If installation is to be flush with the pavement surface, mill 3/4 inches from the existing surface and fill the milled area with material. The milling process consists of removing the existing asphalt or concrete with a skid steer machine and cold planer. Once milled, saw cut the edges of the crosswalk to form a neat and straight edge.

The pavement surfaces shall be dry and free of sand, dirt, grease, oil and any other contaminants that may interfere with the bond between the treatment material and any other surfaces. If moisture is present on the surface, use propane torch, or equivalent, to remove moisture until dry and clean.

The existing pavement condition shall be assessed by an authorized manufacturer's representative prior to installation. If required by the Engineer, apply an asphalt coated glass fiber strand reinforcement mesh onto the surface prior to the installation of the hot applied patterned textured paving compound.

Prepare the material for installation utilizing a heating kettle specifically designed for this treatment to 385°F to 420°F.

Uniformly distribute the hot applied patterned textured paving compound material onto the pavement surface by means of finishing irons pre-heated to a minimum of 800°F that are used to smooth and level the materials to an approximate depth of 3/4 inch deep. No additional compaction is required. Level the material with the surrounding asphalt.

Immediately apply dry sand over the material to cover surface at an approximate rate of 1.75 pounds per square foot.

Place the mold into the semi molten material immediately after the sand application using an approved mold capable of providing a 5/16 +/- 1/16 inch deep impression in accordance to the design details shown on the plans.

Allow the treatment to cure for approximately 1 hour until the material is hard, then remove any excess sand prior to opening to traffic.

097040.04 METHOD OF MEASUREMENT.

The Hot Applied Patterned Textured Paving Compound will be measured by the square foot of the installed material.

097040.05 BASIS OF PAYMENT.

Payment for Hot Applied Patterned Textured Paving Compound is full compensation for supplying and placing the material according to the specifications. Asphalt coated glass fiber strand reinforcement mesh, if required, will be paid for according to Article 1109.03, B.