

**ITEM 0104801**

**GEOTEXTILE JOINT SEAL FABRIC**

**DESCRIPTION**

This item shall include furnishing materials for and placing the one foot wide non woven rubberized asphalt membrane, "PETROTAC" fabric, or an approved equal, over the prepared longitudinal and transverse joints in the concrete pavement surface. The method of placing the fabric shall be in accordance with the manufacturer's recommendations.

**REFERENCED ITEMS**

Items 0107201 and 0104021

**REQUIRED SUBMITTALS**

Material Samples:

Submit material samples for membrane in accordance with the contract general requirements.

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for membrane in accordance with the contract general requirements.

Certified Test Report:

Submit 5 copies of certified test reports for membrane in accordance with the contract general requirements.

**MATERIALS**

Joint Seal Fabric shall meet the following specifications: Strip Tensile-ASTM D-882-02, Puncture Resistance-ASTM E-154-99, Permeance-ASTM E-96-00 Method B, Pliability-ASTM D-146-03.

Crack Sealer shall be SS-S-164 conforming to the requirements of AASHTO M173-01, and with filler material of paper rope of 1/2" inch in diameter in the gap greater than 3/4" in width in accordance with the applicable portions of Item 0104021 "Roadway Surface Crack Seal".

**CONSTRUCTION METHODS**

Prior to the installation of the joint seal fabric, all the joints in the concrete pavement surface shall be sealed to within 1/4" from the surface of the joint with rubberized crack sealer SS-S-164, at no extra cost to the City.

The fabric shall be unrolled and laid flat with a minimum of wrinkles over the joints in the concrete pavement surface. Overlap of fabric joints shall be minimal of 2 to 6 inches. Transverse joint strips shall be applied before longitudinal strips to minimize the chance of the membrane peeling, if traffic is allowed prior to overlaying. The fabric shall be installed at pavement temperature of 45<sup>0</sup> or above. Should the fabric become wet during the trafficking period of two weeks, traffic signs advising the traffic that the membrane may become slippery shall be posted. The extra cost for traffic signs will be paid for under Item 0107201.

**METHOD OF MEASUREMENT**

This work will be measured for payment by the number of square feet of geotextile joint seal fabric placed and accepted.

**BASIS OF PAYMENT**

This work will be paid for at the contract unit price per square foot for "GEO-TEXTILE JOINT SEAL FABRIC" complete in place including all materials, equipment, tools, labor and incidental expenses thereto.

<b><u>PAY ITEM</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>PAY UNIT</u></b>
0104801	Geotextile Joint Seal Fabric	SF