

SECTION 412 - PAVING FABRIC

412.01 Description. This work includes placing paving fabric over an existing pavement before the laying of resurfacing materials according to the contract. *|
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412.02 Materials. Materials shall meet the following: *

Asphalt Cement 702.01 |

Paving Fabric 716.04 |

412.03 Construction Requirements. |

(A) Preparation of Roadway Surface. Immediately before applying the asphalt cement binder, the Contractor shall sweep the surface clean of loose material, water, dirt, excess dust or other objectionable matter. *|
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(B) Cracks and Depressions. The Contractor shall fill the cracks and depressions with asphalt concrete pavement Mix No. V, and as ordered by the Engineer. *|
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(C) Application of Asphalt Cement Binder. Before applying the asphalt cement binder, the Contractor shall clean the area according to the contract. *|
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The Contractor shall apply the asphalt cement binder at the rate of 0.20 to 0.30 gallons asphalt per square yard or as recommended by the fabric manufacturer, and accepted by the Engineer. The Contractor shall spray the asphalt with a suitably metered mobile bituminous distributor conforming with Subsection 405.03(B) - Equipment and a compatible equipment for heating bituminous material. The temperature of the asphalt cement at the time of spraying shall be greater than two hundred ninety (290) degrees Fahrenheit but shall not exceed three hundred and twenty (320) degrees Fahrenheit. *|
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The width of the asphalt cement binder shall be the fabric width plus six (6) inches. The Contractor shall apply the asphalt cement binder no further in advance of the fabric placement than the Contractor can keep traffic free. *|
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(D) Paving Fabric Placement. When the asphalt cement binder has cooled to a temperature of two hundred fifty (250) degree Fahrenheit, the method of fabric placement shall be such that wrinkles and/or folds shall not be excessive. The Contractor shall place the fabric, with the heat bonded side facing up, onto the asphalt cement binder as soon as possible before the asphalt cools and loses tackiness. The Engineer will require miscellaneous equipment such as brooms and knives. *|
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If the fabric folds exist or wrinkles half (1/2) inch in height or greater exist, the Contractor shall slit the fabric and allow the fabric to lay flat. The Engineer may require additional brooming to maximize fabric contact with the pavement. The Contractor shall remove the air bubbles to assure complete contact with the roadway surface. The Engineer will permit the seating of the fabric with rolling equipment after placing. Turning of the paving machine and other vehicles shall be gradual. The Contractor shall keep them to a minimum to avoid damage.

The fabric shall overlap four (4) to six (6) inches at joints. The Contractor shall not lap the joint with more than two (2) layers of fabric. The Contractor shall shingle the transverse joints in the direction of the paving to prevent edge pick-up by the paver. The Contractor shall apply the asphalt cement binder to the fabric joints at the rate of 0.2 gallons per square yard when ordered by the Engineer.

Fabrics that are damaged after being placed is the responsibility of the Contractor. The Contractor shall remove and replace them before the resurfacing.

The Contractor shall not place more fabric than the Contractor can cover with hot mix on that day. The Contractor shall pave the fabric except for overlap length with hot mix before the lanes are opened to traffic.

(F) **Paving Operation.** The paving operation shall closely follow the fabric placement. If the asphalt cement binder bleeds through the fabric before the hot mix is placed, the Contractor shall blot the binder by spreading hot mix on those areas so affected to prevent pick-up by traffic driving on the fabric.

412.04 Method of Measurement. The Engineer will measure the paving fabric by the square yard.

412.05 Basis of Payment. The Engineer will pay for the accepted quantities of paving fabric at the contract unit price per square yard, complete in place.

The price shall be full compensation for cleaning, furnishing and applying of the asphalt cement binder, preparing the surface, filling of cracks and depressions, overlapping of the paving fabric, furnishing labor, tools, materials, equipment, and incidentals necessary to complete the work.

The Engineer will make payment under:

Pay Item	Pay Unit
Paving Fabric	Square Yard