

SECTION 335

PAVING FABRIC INSTALLATION

335.1 GENERAL

This work shall consist of placing a paving fabric as part of a pavement rehabilitation project in compliance with the construction plans and these specifications.

335.2 REFERENCES

335.2.1 This publication
SECTION 119

335.3 MATERIALS

335.3.1 PAVING FABRIC: The paving fabric shall comply with Section 119.

335.3.2 TACK COAT: Tack coat may be 85-100 or 120-150 penetration asphalt, CSS-1 or SS-1 emulsified asphalt, or AC-5 or AC-10 asphalt.

335.4 CONSTRUCTION REQUIREMENTS

335.4.1 WEATHER LIMITATIONS: Paving fabric and tack coat shall not be placed if paving is not permitted and if the ambient air temperature is not at least 50 degrees F and rising or at least 55 degrees F.

335.4.2 FABRIC HANDLING EQUIPMENT: Mechanical laydown equipment shall be capable of laying the fabric smoothly without excessive wrinkles or folds.

335.4.3 SURFACE PREPARATION: Prior to tack coat application all cracks wider than 0.50 inches shall be sealed with an asphalt rubber crack sealant. All joints shall be cleaned out and sealed as specified on the plans.

335.4.4 APPLICATION AND PLACEMENT OF MATERIALS:

335.4.4.1 TACK COAT: Tack coat shall be applied in accordance with fabric manufacturer's recommendations. Tack coat width shall be equal to the fabric width. Additional tack coat equal to the optimum asphalt content required by the fabric shall be uniformly applied on the overlapped fabric joints.

335.4.4.2 PAVING FABRIC:

335.4.4.2.1 The CONTRACTOR shall have qualified, manufacturer-trained representatives to supervise placement of the paving fabric.

335.4.4.2.2 The paving fabric shall be stretched, aligned, and placed entirely on the tack coat with a

minimum of wrinkles and folds. Hand and mechanical brooming shall be effected to maximize the fabric contact with the tacked roadway surface. If folds in excess of 1/2 inch occur, the fabric shall be slit to remove the fold or wrinkle then overlapped in the direction of the paving.

335.4.4.2.3 All cutting or slitting of paving fabric shall be effected by a method approved by the ENGINEER. When cutting or slitting is employed. The ENGINEER will determine the additional amount of tack coat to be applied, to assure adhesion of the double fabric layer.

335.4.4.2.4 If manual placement methods are used, the fabric shall be unrolled, stretched, aligned, and placed in increments not exceeding 30 feet.

335.4.4.2.5 The fabric shall be rolled when required to seat the fabric to prevent movement and assure fabric saturation. Care shall be taken to avoid tracking plant mix bituminous pavement material onto fabric and to avoid distorting the fabric during rolling.

335.4.4.2.6 On transverse joints where the fabric is to be continued, a minimum overlap of 12 inches shall be provided at the joint between existing fabric and new fabric to be placed. On longitudinal joints where parallel strips of fabric are to be placed, the minimum overlap between the parallel strips shall be 6 inches.

335.4.4.2.7 If necessary, a small quantity of plant mix bituminous pavement material may be spread over the top of the fabric immediately in advance of the paving operation to prevent the fabric from being picked up by construction equipment.

335.4.4.2.8 No vehicle shall be allowed on the fabric, except rolling equipment (if fabric seating is necessary), equipment needed to spread the small quantity of plant mix bituminous pavement material on top of the fabric, paving equipment, and cross traffic. Prior approval by the ENGINEER shall be received before cross traffic is permitted.

335.4.5 PAVING OPERATIONS: Paving operations shall follow placement of the paving fabric within an hour or within 1/4 mile whichever is less.

335.5 MEASUREMENT AND PAYMENT

Measurement for paving fabric shall be by the square yard of area covered, and shall include installation and tack coat. No extra.