

**ITEM 8
STABILIZATION FABRIC**

8.1 DESCRIPTION

This work consists of furnishing and placing a fabric as a separator between the subgrade and aggregate base. This applies to fabric membranes used for the entire width of the roadway in accordance with these specifications and as shown on the plans.

8.2 MATERIALS

8.2.1 Fabric

The fabric shall be a woven fabric resistant to chemical attack, mildew and rot and shall meet the following physical requirements.

TABLE 8.2.1

Apparent Opening Size	ASTM D 4751	No. 30 to 70 U.S. Standard Sieve
Grab Tensile	ASTM D 4632	200 lbs. Min
Elongation at Break	ASTM D 4632	30% Max.

The minimum roll width shall be 10 feet. The CONTRACTOR shall submit the certification for the stabilization fabric.

8.3 EQUIPMENT

Mechanical or manual laydown equipment shall be used for laying the fabric smoothly. Stiff bristle brooms shall be used to smooth the fabric; scissors or blades to cut the fabric are also required.

Equipment shall be approved by the **AGENCY**. All equipment and machinery shall be kept in good working order, free of leaks and properly muffled. All taxes, licenses and fees shall have been paid and proper licenses and permits shall be posted as required by law.

8.4 CONSTRUCTION

Fabric rolls shall be wrapped for protection against moisture and extended ultra-violet exposure prior to placement. Fabric rolls shall be stored and protected from the weather. If stored outdoors, the rolls shall be elevated and protected with a waterproof cover.

Any ruts, holes, defects or soft yielding places which occur in the subgrade for any cause whatsoever shall be corrected and compacted to require density and stability before fabric is placed. These repairs shall be made at the expense of the **CONTRACTOR**. The fabric shall be stretched, aligned and placed with no wrinkles that lap. The test for lapping shall be made by gathering together the fabric in a wrinkle. Lap in excess of 2 inches shall be removed.

Overlap of fabric joints shall be sufficient to ensure full closure of the joint and shall be a minimum of 18 inches and not exceed 36 inches. Transverse joints shall be lapped in the direction of aggregate base laydown to prevent edge pickup.

Hauling units shall be operated so that braking, turning movements and reversing direction of travel do not cause wrinkling, folding or displacement of the fabric. Damaged fabric shall be replaced without additional payment. The aggregate shall be backdumped on to the fabric, taking care not to drive directly on the fabric.

8.5 MEASUREMENT

Fabric will be measured for payment by the square yard of surface area, complete, in place, with no allowance for overlaps. Payment shall be based upon plan quantities. The fabric unit price will be full compensation for preparation of the application surface, furnishing and placing the fabric, and all labor, equipment, tools and incidentals necessary to complete the fabric placement.

8.6 TESTING AND INSPECTION

Testing of stabilization fabric shall be performed in accordance with Table 8.6

**TABLE 8.6
SCHEDULE FOR MINIMUM MATERIALS SAMPLING AND TESTING**

Fabric	One certificate of compliance for each lot of stabilization fabric.
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8.7 PAYMENT

Payment shall be made at the Contract Unit Price for "Stabilization Fabric" measured in square yard of surface area. The price shall be full compensation for furnishing all material, and for all preparation of the subgrade, delivering, placing, and all labor, equipment, tools and incidentals necessary to complete this Item.

<u>Item</u>	<u>Description</u>	<u>Payment</u>
8.1	Stabilization Fabric	\$/yd ²