

SECTION 02078

ASPHALT OVERLAY FABRIC

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Materials and procedures for preparing asphalt pavement surface, and installing asphalt overlay fabric.

1.2 RELATED SECTIONS

- A. Section 02748: Prime Coat/Tack Coat

1.3 REFERENCES

- A. AASHTO M 288: Geotextile Specification for Highway Applications
- B. UDOT Minimum Sampling and Testing Guide

1.4 PACKAGING, SHIPPING, HANDLING, AND STORING

- A. Identify each roll by a tag or label securely fastened to the outside. List the following required information on the tag or label:
 - 1. Name of the fabric manufacturer.
 - 2. Brand name of the product.
 - 3. Width, length, and package weight of fabric.
 - 4. UDOT Certification Sticker.

1.5 PROTECTION

- A. Protect the fabric from direct sunlight, chemicals, moisture, mud, dirt and debris during shipment and storage.
- B. Replace at the Contractor's expense, fabric damaged or deteriorated during shipping, storage or construction.

PART 2 PRODUCTS

2.1 ASPHALT OVERLAY FABRIC

- A. Use needle-punched non-woven fabric constructed exclusively of manmade polymeric fibers.
 - 1. Resistant to rotting, mildew, insects, chemicals and ultraviolet (UV) light.
 - 2. Meet the following additional minimum average roll requirements when sampled and tested with the methods specified.
 - 3. Refer to AASHTO M 288, Table 7.

2.2 SOURCE QUALITY CONTROL

- A. Meet UDOT Minimum Sampling and Testing Requirements.
- B. Perform tests prior to shipment for each individual shipment and lot of fabric.
- C. Include testing reports and Certificate of Compliance with the shipment to the job- site.
- D. Basis for Rejection: In accordance with UDOT Minimum Sampling and Testing Guide requirements.

PART 3 EXECUTION

3.1 PREPARATION

- A. Prepare pavement surface:
 - 1. Remove all dirt, water, oil, and foreign materials.
 - 2. Clean out and fill cracks wider than 0.25 inch with a sand and asphalt emulsion filler material.
- B. Apply tack coat to the prepared surface at a rate of 0.25 gallon to 0.30 gallon per square yard as approved by the Engineer. Refer to Section 02748.
 - 1. Additional tack coat is required on overlapped areas.
 - 2. The Engineer considers manufacturer recommendations and the following performance requirements:
 - a. Satisfy asphalt retention properties of fabric.
 - b. Bond the fabric and overlay to the underlying surface.
 - c. Do not create a slippage potential for the overlay.
 - 3. Uniformly spread excess tack coat before it cools.

3.2 INSTALL FABRIC

- A. Place fabric over tack coat with a mechanical unit that produces a wrinkle-free placement.
 - 1. Remove small wrinkles by hand brooming.
 - 2. For wrinkles in excess of 1 inch wide, cut the fabric overlapping in the direction of paving.
- B. Overlap transverse joints 6 inches in the direction of paving and bond with additional tack coat.
- C. Overlap longitudinal joints 4 inches and bond with additional tack coat.

END OF SECTION