

## 850 - GEOTEXTILE

### 850.1 DESCRIPTION

The work shall consist of furnishing all equipment, labor and material for placing geotextile as specified herein and shown on the contract drawings and maintaining the geotextile until placement of the base course, curb and gutter and select soil backfill is completed and accepted.

### 850.2 MATERIALS

Geotextile shall meet the requirements of AASHTO M-288-00 except as modified herein.

The geotextile shall be a nonwoven sheet of plastic yarn as defined by ASTM D 123 and conform to the criteria presented in Table 1. These requirements shall be based on the Minimum Average Roll Value (MARV) which is defined as the value that can be expected, with 95 percent confidence, to be the minimum test average obtained on a roll sampled and tested in accordance with ASTM D 4759.

TABLE 1 PHYSICAL REQUIREMENTS

Physical Property	ASTM Test Procedure	Minimum	
		Acceptance Criteria English	Metric
Grab strength tensile	D 4632	200 lbs	890 N
Grab Elongation at Break	D 4632	50%	50%
Puncture Strength	D 4833	80 lbs	355 N
Mullen Burst Strength	D 3786	260 psi	1790 Kpa
Trapezoidal Tear	D 4533	80 lbs	355 N
Apparent Opening Size (AOS)	D 4551	70-100 US Std. Sieve	150-212 $\mu$ m

  

Geotextile Class 2			
Grab strength tensile	D 4632	120 lbs	530 N
Grab Elongation at Break	D 4632	60%	60%
Mullen Burst Strength	D 3786	90 psi	620 Kpa
Apparent Opening Size (AOS)	D 4551	60/70 US Std Sieve	250/212 $\mu$ m

### 850.3 MEASUREMENT AND PAYMENT

Geotextile will not be paid for directly, but shall be considered subsidiary to other bid items in the contract.