

Division 20: Topsoil & Seeding and Restoration

20.01 SCOPE: All graded and unpaved areas within the limits shown on the plans shall be topsoiled, limed, fertilized, seeded and mulched in accordance with the requirements listed below as well as any areas outside the limits of construction disturbed by the Contractor. Topsoil and Seeding will be performed as a lump sum bid price for general roadway and bridge construction. For storm drainage, water, gravity sewer and forcemain contracts restoration will be paid for on a lineal foot basis along the center line of the pipe installation and performed under the guidelines of this division.

20.02 MATERIALS: The Contractor shall furnish all materials in accordance with the following:

- A. Topsoil: Shall conform to the requirements of Section 244.02(b) for Classes A & B Topsoil of the VDOT Road and Bridge Specifications except that both Classes A & B shall be free from subsoil, stump roots, brush, stones, clay lumps or similar objects larger than one inch in diameter.
- B. Lime: Dolomite agricultural ground limestone containing at least 85% of total carbonates and ground to such fineness that at least 50% will pass a 100 mesh sieve and at least 90% will pass a 30 mesh sieve.
- C. Commercial fertilizer shall be 10-10-10 formula, and shall conform to all applicable State fertilizer laws. It shall be delivered to the site in the original unopened containers, each bearing the manufacturer's guaranteed analysis.
- D. Seed: Shall conform to the following mixtures and time schedule:

<u>DATE</u>	<u>FESCUE</u>	<u>HULLED BERMUDA</u>	<u>UNHULLED BERMUDA</u>	<u>ANNUAL RYE GRASS</u>
2/1 – 5/1	65 lbs/ac	35 lbs/ac		
5/2 – 8/1	35 lbs/ac	65 lbs/ac		
8/2 – 11/15	65 lbs/zc		35 lbs/ac	
11/16 – 1/31	55 lbs/ac		25 lbs/ac	20 lbs/ac

No Changes in the seed mixture may be made without prior approval of the Engineer.

- E. Mulch: Shall be dry, threshed straw of wheat, oats, barley or rye, and other materials approved by the Engineer.

20.03 CONSTRUCTION METHODS:

- A. Topsoil: Shall be furnished in accordance with Paragraph 20.02, A, and placed at a thickness in accordance with the requirements of VDOT Road and Bridge Specification Section 602.03.
- B. Seeding materials shall be furnished in accordance with Paragraph 20.02, B, C, D, and E, herein, and shall be placed in accordance with the requirements of Section 603.03 VDOT Road and Bridge Specifications.

20.04 METHOD OF MEASUREMENT AND BASIS OF PAYMENT: Topsoil and seeding will not be measured but will be paid on a lump sum basis only. Restoration will not be measured but paid for on a lump sum basis as per the Unit Price Table. Area's measured as pavement patching will not be included in restoration. If swales are required over the storm drainage line as per the plans, these swales for local drainage will not be measured for payment and will be considered incidental to the lineal foot price for restoration.

Topsoil shall be stripped from the areas to be excavated or graded and may be stockpiled in approved locations. Upon completion of backfilling or grading, topsoil shall be spread over disturbed areas as indicated on the plans to a minimum depth of two (2) inches. Where topsoil does not exist, the Contractor shall furnish an amount sufficient to cover the site to a minimum depth of two (2) inches. Topsoil available within excavated areas may be used.