

EC – EROSION CONTROL

EC-1 GENERAL

This item consists of preparing the ground surface, furnishing and applying fertilizer, furnishing and sowing seed, mulching, establishing, and repairing in accordance with the plans and specifications. The areas to be seeded include all disturbed grassed areas related to the construction work for the entire project.

This work shall comply with current edition of South Dakota Department of Transportation (SDDOT) Standard Specifications as amended by any supplemental specifications. SDDOT Standard Specifications Sections 730, 731, 732, 733, and 734 and other SDDOT section by reference apply to this work.

EC-2 MATERIALS AND METHODS

EC-2.1 Seed Mixture

The areas to be seeded comprise of all newly graded or disturbed areas within the project limits except for the top of roadways.

All permanent seed shall be planted in the topsoil at a depth of ¼” to ½”.

All seed broadcast must be raked or dragged in (incorporated) within the top ¼” to ½” of topsoil when possible. This requirement may be waived by the Engineer during construction when raking or dragging is deemed not feasible by conventional methods.

South Dakota native grown seed is an acceptable alternative to any of the seed varieties listed below. South Dakota native grown seeds used as an alternative shall conform to the same specification and requirements for that individual seed type.

Grass Species	Variety	Pure Live Seed (PLS) (Pounds/1000 SqFt)
Kentucky Bluegrass	Park or South Dakota Grown	3
Perennial Ryegrass	Derby	1
Total:		4

EC-2.2 Fertilizer

A commercial fertilizer with a minimum guaranteed analysis of 18-46-0, 11-52-0, or an approved alternate fertilizer, shall be applied to all areas designated for permanent seeding. The application rate of fertilizer shall be 100 pounds per acre.

EC-2.3 Mulching

- a. Grass Hay or Straw shall be used where there is no curb and gutter unless otherwise specified. Bales with noxious weed contamination will be rejected and the Contractor will be required to remove the contaminated bales from the project.
- b. Fiber Mulch shall be used where there is curb and gutter unless otherwise specified.

EC-3 MAINTENANCE AND REPAIR

Maintain lawns for not less than sixty (60) days after seeding and longer if required to establish an acceptable lawn free from bare areas.

Maintain lawns by watering, weeding, mowing, trimming, and other operations such as rolling, regrading, and replanting as required and necessary to establish smooth acceptable lawns free of eroded, bare, and weeded areas.

If at any time before completion and acceptance of the entire contract work the seeded areas are damaged by erosion, trespass, or other cause the areas shall be repaired and reseeded as originally specified.

EC-4 MEASUREMENT AND PAYMENT

Field measurement of the seeding work will not be required. Payment for seeding as listed on the plans and in the proposal will be the lump sum price for Erosion Control unless otherwise indicated in the plans. Payment on this basis shall be full compensation for materials, labor, and equipment necessary to perform all work to satisfactorily complete this item.