

SECTION D ESTIMATE OF QUANTITIES

Bid Item Number	Item	Quantity	Unit
734E0010	Erosion Control	Lump Sum	LS

EROSION CONTROL

The bid item Erosion Control includes all material, equipment and labor to salvage, stockpile and replace topsoil, seed, fertilize and apply Grass Hay or Straw Mulch on the disturbed areas resulting from the work required by this project.

Limits of erosion control work will be determined by the Engineer during construction.

REMOVE AND REPLACE TOPSOIL

Topsoil shall be salvaged and stockpiled prior to construction activities. Limits of this work, depth of salvage, and stockpile location will be directed by the Engineer. Following completion of construction, topsoil shall be spread over the disturbed areas.

PERMANENT SEEDING

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

Type D Permanent Seed Mixture shall consist of the following:

Grass Species	Varieties	Pure Live Seed (PLS) (Pounds/1000 SqFt)
Kentucky Bluegrass	Avalanche, Appalachian, Wildhorse, Blue Bonnet	1.4
Perennial Ryegrass	Turf Type Varieties	1.4
Creeping Red Fescue	Epic, Boreal	1.4
Chewings Fescue	Ambrose, K2, Zodiac	1.4
Alkali Grass	Fults, Fults II, Quill, Salty	1.4
Total:		7

MYCORRHIZAL INOCULUM

Mycorrhizal inoculum shall consist of mycorrhizal fungi spores and mycorrhizal fungi-infected root fragments in a solid carrier. The carrier may include organic materials, calcinated clay, or other materials consistent with application and good plant growth. The supplier shall provide certification of the fungal species claimed and the live propagule count. The inoculum shall include the following fungal species:

- Glomus intraradices* 25%
- Glomus aggregatu* 25%
- Glomus mosseae* 25%
- Glomus etunicatum* 25%

All seed shall be inoculated by the seed supplier with a minimum of 100,000 live propagules of mycorrhizal fungi per acre. All costs of inoculating the seed shall be incidental to the contract unit price per pound for the corresponding permanent seed mixture.

FERTILIZING

A commercial fertilizer with a minimum guaranteed analysis of 13-13-13, 18-46-0, 11-52-0, or an approved alternate fertilizer sold for use as a lawn starter fertilizer shall be applied to all areas designated for permanent seeding. The application rate of fertilizer shall be 3 pounds per 1000 square feet.

STATE OF SOUTH DAKOTA	PROJECT IM 0291(126)1	SHEET D2	TOTAL SHEETS D2
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Plotting Date: 08/07/2015