

ROAD COMMISSION OF  
KALAMAZOO COUNTY

SPECIAL PROVISION  
FOR  
**NATIVE SEEDING**

RCKC

1 of 2

07/25/24

**a. Description.** This work consists of furnishing all labor, materials, and equipment necessary to prepare all areas designated for Native Seeding as specified on the plans, or as directed by the Engineer.

**b. Materials.** Provide materials meeting the requirements of sections 816 and 917 of the Michigan Department of Transportation (MDOT) 2020 Standard Specifications for Construction and the requirements of this Special Provision. The material application rates shall be as specified in this Special Provision.

<u>Item</u>	<u>Application Rate</u>
Topsoil Surface	4 inch depth in place
Native Seed Mixture	38.72 lbs/acre
Compost	¼ inch depth in place
Mulch Anchoring	Per subsection 816.03 F of the MDOT 2020 Standard Specifications for Construction

1. Seeding Mixture. The seeding mixture shall be composed of certified seed of the purity and proportions by weight, as specified in Table 1.

**Table 1 - Native Seeding Mixture**

<b>Botanaical Name</b>	<b>Common Name</b>	<b>% by weight</b>
Bouteloua curtipendula	Side-oats Grama	5.17
Elymus canadensis	Canada Wild Rye	2.58
Koeleria cristata	June Grass	0.65
Panicum virgatum	Switch Grass	0.32
Schizachyrium scoparium	Little Bluestem	6.46
Sorghastrum nutans	Indian Grass	0.32
Aquilegia canadensis	Wild Columbine	0.16
Asclepias syriaca	Common Milkweed	0.48
Asclepias tuberosa	Butterfly Milkweed	0.32
Aster laevis	Smooth Blue Aster	0.32
Aster novae-angliae	New England Aster	0.16
Coreopsis lanceolata	Lance-leaf Coreopsis	0.97
Echinacea purpurea	Purple Coneflower	0.97
Liatris aspera	Rough Blazingstar	0.16
Lupinus perennis	Lupine	0.32
Monarda fistulosa	Wild Bergamot	0.16
Ratibida pinnata	Yellow coneflower	0.65
Rudbeckia hirta	Black-eyed Susan	1.29
Solidago rigida	Stiff Goldenrod	0.16

Tradescantia ohiensis	Common Spiderwort	0.32
Vernonia missurica	Missouri Ironweed	0.16
Veronicastrum virginicum	Culver's root	0.08
Zizia aurea	Golden Alexander	0.32
Lolium multiflorum	Annual Rye	25.83
Avena sativa	Seed Oats	51.65

**c. Construction.** Complete all restoration work as soon as possible after achieving final grade and comply with subsection 208.03 of the MDOT 2020 Standard Specifications for Construction regarding time limitations. Additionally, all work shall comply with Wildflower Planting Guidelines, and the Natural Resources Environmental Protection Act, Part 91 of PA 451 of 1994, as amended. It may be necessary to place materials by hand. The furnishing, storage, disposal, hauling and spreading of topsoil including seed, compost and mulch anchoring materials are to be placed on all disturbed areas as specified on the plans, or as directed by the Engineer.

The Contractor shall meet with the Engineer onsite to review the areas to be restored and verify quantities before ordering materials and submit certification from the seed supplier that indicates the individual seed species and weights used in the mix that meet the requirements show here.

1. Placement of Material. For all restoration areas, the Contractor shall shape and compact these areas before placement of topsoil. Topsoil placement shall occur at a minimum depth equal to the application rate listed. Compost placement shall occur at the minimum application rate listed to meet the proposed finished grade. It may be necessary to place these materials by hand.

Before placing compost and seed mixture, existing soil must be friable. Perform seeding with consideration of weather conditions and delay placement during extreme conditions. The Contractor shall time the construction and restoration activities based upon weather conditions to ensure the site is not left bare for any extended period.

2. Provide, install, and anchor mulch according to subsection 816.03.F of the MDOT 2020 Standard Specifications for Construction or as directed by the Engineer.

3. Wash Outs. If a properly restored area has been accepted for payment and then washes out, the Contractor shall make the corrections necessary to prevent future washouts and replace the topsoil, compost, seed, and mulch. The Engineer shall consider this as additional work to the project.

If a properly restored area washes out for reasons attributable to the Contractor's activity, or failure to take proper precautions, the Contractor shall make the corrections necessary to prevent future washouts and replace the topsoil, compost, seed, and mulch. The Engineer shall not consider this as additional work to the project, and the Contractor shall complete this work at their expense.

**d. Measurement and Payment.** The completed work, as described, shall be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
Native Seeding .....	Square Yard