

## **ITEM #0950044A – FLOODPLAIN ESTABLISHMENT SEED MIX**

**Description:** The work included in this item shall consist of furnishing and placing a seed mixture to establish vegetation within the designated floodplain area(s), floodway area(s), wetland mitigation/enhancement Site(s), or other areas as shown on the plans, permits, or as directed by the Engineer.

**Materials:** All floodplain seed mixture sources shall be local to the northeast (New England, New York, Pennsylvania, New Jersey, Delaware, or Maryland).

Three qualified floodplain seed mixtures are detailed below. An equal seed mixture may be submitted to the Engineer for approval.

1. **New England Logging Road Mix**, New England Wetland Plants, Inc. 800 Main Street, Amherst, MA 01002. Rate shall be 1 pound PLS per 2,200 square feet.
2. **Floodplain Mix - ERNMIX-154**, Ernst Conservation Seeds Inc. 8884 Mercer Pike, Meadville, PA, 16335. Rate shall be 1 pound PLS per 2,200 square feet.
3. **Flood Plain Wildlife Mix: #154**, Newsom Seed Warehouse. 11788 Scaggsville Road, Fulton, MD 20759. Rate shall be 1/2 pound PLS per 1,000 square feet.

The placement of fertilizer, mulch or erosion control matting will not be allowed within any floodplain area, floodway area or wetland mitigation/enhancement Site(s).

All floodplain seed mixture sources shall be approved by the Engineer prior to application.

The Materials Certificate for all seed mixtures shall state that the seed mixture does not include any invasive species pursuant to CGS Sec. 22a-381d or any State Threatened species, State Endangered species or State species of special concern pursuant to CGS Sec. 26-303 to Sec. 26-313. The seed tags from the bags are to be removed by the Engineer upon delivery and attached to the Materials Certificate. Seeding shall not occur if these requirements are not met.

All approved seed mixtures shall be obtained in sufficient quantities to meet the pure live seed (PLS) application rates as determined by the seed analysis of the mixture.

**Construction Methods:** Construction methods shall be those established as agronomically acceptable and feasible, and as approved by the Engineer.

Seeding for the establishment of a floodplain area associated with a wetland mitigation/enhancement Site(s) must occur between August 15<sup>th</sup> to October 31<sup>st</sup>.

For floodplain areas not associated with a wetland/enhancement Site(s), seeding shall occur during the dates specified in Article 9.50.03-2.

If seed is purchased in bulk rather than by PLS, the rate of application must be adjusted to meet the required PLS seeding rate. This seeding rate shall be increased by the appropriate percentage as determined by the following formula based from the information on the seed tags at delivery:

$$(\text{Germination Percentage} \times \text{Purity Percentage}) / 100 = \text{PLS}$$

The Engineer will verify that the seed is applied at a rate that will allow for 100 percent PLS.

Mowing will not be allowed within areas that are seeded with the floodplain establishment seed mix.

**Method of Measurement:** The work will be measured for payment by the number of square yards of surface area of accepted established floodplain grasses as specified or by the number of square yards surface area of seeding actually covered as specified.

**Basis of Payment:** This work will be paid for at the Contract unit price per square yard for "Floodplain Establishment Seed Mix," which price shall include all materials maintenance, equipment, tools, labor, and all work incidental thereto. Partial payment of up to 50% may be made for work completed, but not accepted. Full payment shall not be made until the area has been accepted by the Engineer.

Pay Item	Pay Unit
Floodplain Establishment Seed Mix	s.y.