

**ITEM 0106401**

**SEEDING, MULCHING, & FERTILIZING**

**DESCRIPTION**

This item shall include excavation, removal and disposal of the existing soil and preparation of the bed to a depth of 6"; furnishing and working in lime and fertilizer into the prepared topsoil, and furnishing and placing grass seed in areas shown on the plans and/or at locations approved by the Engineer.

**REFERENCED ITEMS**

None

**REQUIRED SUBMITTALS**

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for seed in accordance with the contract general requirements.

Certified Test Report:

Submit 5 copies of certified test reports for fertilizer in accordance with the contract general requirements.

**MATERIALS**

The seed mixture shall be fresh, clean, new crop seed, and shall be free from weed seed. Purity of the mixture shall not be less than 90% and germination not less than 85%. The seed shall conform to the following mixtures:

Kentucky Blue Grass	25% by weight
Creeping Red Fescue	35% by weight
K 31 Tall Fescue	30% by weight
Domestic Rye Grass	5% by weight
Alsike Clover	5% by weight

The seed supplier shall submit a certificate showing that the seed supplied conforms to the above specifications.

The seasonal dates for seeding shall be as follows:

- Spring Seeding - March 15th to June 15th
- Fall Seeding - August 15th to October 15th

Seeding at any time other than within the above seasons shall be allowed only when ordered by the Engineer or when the contractor submits a written request for permission to do so.

Watering of seeded areas shall be done immediately from sources in the vicinity. Maintenance shall be continued through the first mowing. Bare spots shall be reworked and re-seeded. There will be no extra payment for repairing bare spots, but the cost thereof shall be included in the contract unit price for this item.

Fertilizer shall be commercial grade 10-10-10 fertilizer. It shall be delivered to the project in new, clean, sealed containers which bear a label describing the contents, the chemical analysis of each nutrient, the fertilizer grade, the net bulk, the brand and the name and address of the manufacturer.

Mulch shall be wood fiber mulch or wood cellulose fiber mulch. It shall be free from shavings, rot, wood, foreign material and debris. It shall be of uniform texture. The moisture content of the material when delivered to the project shall not be more than 12 percent by weight. It shall be delivered to the project in clean, new, sealed containers, bearing the brand, net weight, and name and address of the manufacturer.

Unsuitable material delivered will be deducted from the total quantity of loam delivered at the site for purposed of measurement.

### **CONSTRUCTION METHODS**

All areas to be seeded shall be made friable and receptive for seeding to the satisfaction of the Engineer. All areas shall be loosened and fine graded so that no water pockets are formed.

Grass seed shall be used at the rate of 5 lbs. per 1,000 square feet, and be applied uniformly in an ergonomically acceptable method approved by the Engineer.

A mulch consisting of wood cellulose fiber shall be added to the mixture at a rate of about 45 lbs. per 1,000 square feet.

The mulch shall be applied in a water slurry immediately after seeding or in a slurry with seed and fertilizer.

Fertilizer shall be uniformly applied at the rate of 15 lbs. per 1,000 square feet.

A certified commercial grade of ground lime shall be used at approximately 40 lbs. of lime per thousand square feet of surface.

**METHOD OF MEASUREMENT**

This work will be measured for payment by the total number of square feet of surface area covered by seeding and mulching and accepted.

**BASIS OF PAYMENT**

This work will be paid for at the contract unit price per square foot for " SEEDING, MULCHING, & FERTILIZING", complete in place, which price shall include all preparation of soil, fertilizing, seeding, mulching, maintenance, equipment, tools, and labor incidental thereto.

<b><u>PAY ITEM</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>PAY UNIT</u></b>
0106401	Seeding, Mulching, & Fertilizing	SF