

**656.2.4**

Maintenance shall include the repair of areas damaged by erosion, wind, fire, or other causes. Repair may include reestablishing the condition and grade of the soil, replacement of the matting, and refertilizing and reseeding in accordance with the applicable portions of 652.

**655.5-METHOD OF MEASUREMENT:**

The quantity of work done will be measured by the square yard (meter) of matting placed. Measurements will be made on the surface of the matting exclusive of laps and material that may have been placed in slots.

**655.6-BASIS OF PAYMENT:**

The quantities, determined as provided above, will be paid for at the contract unit prices bid for the items listed below, which prices and payments shall be full compensation for furnishing all the materials and doing all the work prescribed in a workmanlike and acceptable manner, including all labor, tools, equipment, supplies, and incidentals necessary to complete the work.

**655.7-PAY ITEMS:**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>
655001-*	MATTING	SQUARE YARD (METER)
655002-*	PERMANENT EROSION MATTING, TYPE "type"	SQUARE YARD (METER)

\* Sequence number

## **SECTION 656 SEEDLING PLANTING**

**656.1-DESCRIPTION:**

This work shall consist of furnishing and planting seedlings of the species called for on the Plans and in the manner prescribed or as directed by the Engineer.

**656.2-MATERIALS:**

**656.2.1-Topsoil:** Topsoil shall conform to the applicable requirements of 651.

**656.2.2-Water:** Water shall conform to the requirements in 652.2.

**656.2.3-Ground Agricultural Limestone:** Ground agriculture limestone shall conform to the requirements in 715.25.

**656.2.4-Fertilizer:** Fertilizer for landscape plantings shall conform to the

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applicable requirements in 715.26.

**656.2.5-Seedling Plants:** Seedling plants shall conform to the requirements specified in 715.34. The seedling plants shall be true to the type and size indicated on the Plans.

## CONSTRUCTION METHODS

### 656.3-PLANTING SEEDLING PLANTS:

The method of planting seedling plants will be determined to a great extent by the site conditions, namely soil, slope, and type of cover. On areas covered with grass or weed mass, the equivalent of about one square foot (300 sq. mm) area shall be cleared, including roots. The cleared material shall be placed on the lower side of the plant hole to help retain moisture runoff. A hole large enough for the plant roots shall then be dug, and the plant placed and backfilled with one pint backfill mix and completed with excavated material. The soil then shall be packed around the roots with the foot or heel.

Plant backfill mixture for seedlings shall be three parts topsoil to one part peat moss, with 100 lbs. of fertilizer adder per cubic yard (60 kg of fertilizer adder per cubic meter) of backfill. Any other additives will be shown on the Plans. In loose shale or sand without sod cover, selection of plant location shall be where the soil is stable and not subject to rapid accumulation or erosion. On steep banks a slit shall be opened large enough to receive the plant roots and the replaced soil shall be tamped with the heel.

Seedling plants shall be individually mulched and watered during the planting operations as directed by the Engineer.

The Contractor shall furnish material and mark the location of all seedling plants for future reference. A row shall be identified by a stake at each end and a bed or mass identified by stakes around the perimeter. Wire stake flags will be accepted as markers.

### 656.4-REPLACEMENT OF SEEDLING PLANTS:

At the discretion of the Engineer, or in the event that it is determined that the survival is not satisfactory, replacement may be required. Only such replacements as are ordered and countered by the Engineer shall be made. All replacement planting shall be in accordance with the requirements of the Contract application to initial plantings.

### 656.5-CARE DURING AND AFTER DELIVERY:

There is a great tendency for bare-root plants to dry out during shipment and during the planting operation; therefore it is extremely important that the roots of all plant material shall be kept moist during shipment and during the construction period.

### 656.6-METHOD OF MEASUREMENT:

Measurement of seedling plants will be by the number of plants initially

planted in an acceptable manner and all such replacements as are ordered and planted in accordance with this Specification.

#### 656.7-BASIS OF PAYMENT:

The quantities, determined as provided above, will be paid for at the contract unit prices bid for the items listed below, which prices and payments shall be full compensation for furnishing all the materials, including water, topsoil, peat moss, limestone, fertilizer, and mulch, and doing all the work prescribed in a workmanlike and acceptable manner, including all labor, tools, equipment, supplies and incidentals necessary to complete the work.

All replacements ordered by the Engineer will be paid for at the contract unit price for the item listed.

#### 656.8-PAY ITEMS:

ITEM	DESCRIPTION	UNIT
656001-*	SEEDLING, "***key number", "***size"	EACH

\* Sequence number

\*\* Key numbers for seedlings are referenced to the Division's "Seedling Plant List" in effect on the date of the invitation for bids. Copies of the complete "Seedling Plant List" in effect on any date may be obtained from the Division.

\*\*\* Size designated will be in accordance with the "American Standards for Nursery Stock".

## SECTION 657 ROADSIDE SIGN SUPPORTS

#### 657.1-DESCRIPTION:

This work shall consist of the fabrication and erection of all supports for roadside mounted signs in accordance with the requirements of the Plans and of these Specifications. This shall include the supports for all signs which are located outside of the shoulder and do not extend over the shoulder.

All details not specified or not shown on the Plans shall conform to the details and requirements set forth in the following specifications and publications:

- i. The Manual on Uniform Traffic Control Devices for Streets and Highways, latest issue, as printed by the Federal Highway Administration, U.S. Department of Transportation. (Referred to as the MUTCD).
- ii. Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, latest issue, including revisions, American Association of State Highway and Transportation Officials.