

SECTION 812

SPRIGGING

812.01 Description. This work shall consist of furnishing and planting sprigs of live grass plants on slopes and shoulders and other areas as designated by the Engineer, all in accordance with these specifications.

MATERIALS

812.02 Sprigs. Sprigs shall be healthy living stems (stolens or rhizomes) with attached roots of perennial turf-forming grasses of the kinds shown on the plans or in the special provisions, harvested without adhering soil and obtained from approved sources where sod is heavy and thickly matted. The presence of Johnson grass, Nutgrass or other objectionable grasses, weeds or other detrimental materials will be cause for rejection.

812.03 Fertilizer. Fertilizer shall meet the requirements as specified in Subsection **810.06**.

812.04 Lime. Lime shall meet the requirements specified in Subsection **810.07**.

CONSTRUCTION REQUIREMENTS

812.05 Stand of Grass. Before acceptance of the work, the Contractor shall be required to produce a satisfactory stand of grass.

812.06 Harvesting Sprigs. The Contractor shall notify the Engineer at least five (5) days before sprigs are to be harvested and the source shall be approved by the Engineer before harvesting begins.

Before being harvested, the grass shall be mowed to a height of 2 to 3 inches and all clippings removed. Sprigs shall then be loosened by cross-disking, shallow plowing or other

acceptable methods. After the sprigs have been loosened from the soil, they shall be gathered in small piles or wind-rows, watered and kept moist until planted.

Not more than twenty-four (24) hours shall elapse between harvesting and planting sprigs, except that when weather or other uncontrollable conditions interrupt the work, a time extension may be granted, provided sprigs are still moist and viable. Sprigs that have heated in stockpiles, that have become frozen, allowed to become dry or otherwise seriously damaged during harvesting or delivery will be rejected and shall be disposed of as directed.

812.07 Advance Preparation. Advance preparation shall be performed as specified in Subsection **810.15**.

812.08 Applying Lime and Fertilizer. Following advance preparation and placing selected material for shoulders and slopes when called for in the contract, lime if called for and fertilizer shall be spread uniformly over the designated areas and shall be thoroughly mixed with the soil to a depth of approximately two inches. Fertilizer shall be applied at the rate of 500 pounds per acre for the initial application unless otherwise directed by soil tests. Lime shall be applied at the rate specified in the proposal, by soil tests, or as authorized by the Engineer. In all cases where practicable, approved mechanical spreaders shall be used for spreading fertilizer and lime. On steep slopes subject to slides and inaccessible to power equipment, the slopes shall be adequately scarified. Fertilizer may be applied on steep slopes by hydraulic methods. Any stones larger than 2 1/2 inches in any dimension, larger clods, roots or other debris brought to the surface shall be removed.

812.09 Topsoil. At areas to be grassed where the existing soil bed has little or no topsoil, the Contractor may furnish and place topsoil on the seedbed in order to ensure a good stand of grass.

812.10 Planting Sprigs. Sprigging shall be done only within

the periods stipulated in the special provisions. Sprigging shall not be done during windy weather or when the ground is dry, excessively wet, frozen or otherwise untillable. If the soil is not sufficiently moist when the sprigs are being set, water shall be applied until the soil contains sufficient moisture as determined by the Engineer.

Sprigging shall be performed as specified in Method A. Method B or C will not be permitted except where indicated in the special provisions.

Method A: Broadcast Sprigging. Sprigs shall be broadcast by hand or by suitable equipment in a uniform layer over the prepared surface with spacing between sprigs not to exceed 6 inches. The sprigs shall then be forced into the soil to a depth of 2 to 4 inches with a satisfactory tool or with a disk harrow or other equipment set to cover the sprigs to the required depth.

Method B: Row Sprigging. Furrows shall be opened along the approximate contour of slopes at the spacing and depth indicated on the plans. Sprigs shall be placed without delay in a continuous row in the open furrow with successive sprigs touching and shall be covered immediately.

Method C: Spot Sprigging. Spot sprigging shall be performed as specified under row sprigging, except that instead of planting in continuous rows, groups of four sprigs or more shall be spaced 18 inches apart in the rows or as otherwise indicated in the special provisions.

812.11 Compacting. After the planting of sprigs has been completed and before compacting, the surface shall be cleared of stones larger than 2 1/2 inches in any dimension, large clods, roots, and other litter brought to the surface during sprigging.

The sprigged areas shall be compacted within twenty-four

(24) hours from the time sprigging has been completed, weather and soil conditions permitting, by cultipackers, rollers, or other satisfactory equipment. Compaction shall not be done when the soil is in such condition that it is being picked up by the equipment, nor shall clay soils be compacted if so directed by the Engineer.

812.12 Second Application of Fertilizer. After the plants have become established, fertilizer shall be applied uniformly in dry form at the rate of 500 pounds per acre, or as directed by soil tests on the sprigged areas. Fertilizer may, at the discretion of the Engineer, upon receipt of satisfactory evidence of its feasibility from the manufacturer, be applied in liquid form.

Unless otherwise stated, centipede grass sprigging shall receive half of the above rate of fertilizer, or as directed by soil tests on the sprigged areas. Centipede shall not be fertilized between August 1 and April 1.

812.13 Maintenance. The Contractor will be required to do all maintenance necessary to keep the sprigged areas in a satisfactory condition until the work is accepted. Maintenance includes watering, mowing, repairing washes; and additional sprigging and fertilizing where a satisfactory stand of grass has not been obtained.

812.14 Mowing. If it is a pay item, Mowing shall be performed as specified in Subsection **810.25**.

812.15 Acceptance. Inspection to determine acceptance of sprigging will be made by the Engineer, upon Contractor's request. The Contractor shall be required to produce a satisfactory stand of perennial grass. Sprigged areas will be acceptable provided all requirements, including maintenance, have been complied with, and a healthy, even colored viable lawn is established. The root system shall be sufficient to survive dry periods, winter weather and be capable of reestablishing in spring.

812.16 Method of Measurement. The quantity of sprigging to be paid for shall be the actual number of thousand square yards (MSY) of surface areas sprigged, complete and accepted.

Fertilizer and lime shall be measured as provided for in Subsection **810.27**.

Topsoil will be measured as provided in Subsection **810.27**.

812.17 Basis of Payment. The accepted quantity of sprigging will be paid for at the contract unit price for Sprigging, which price and payment shall be full compensation for furnishing all materials (excluding fertilizer, lime and selected material for shoulders or slopes); labor, tools, equipment, and incidentals necessary to complete the work.

Fertilizer and lime will be paid for as provided in Subsection **810.28**.

Topsoil will be paid for as provided in Subsection **810.28**.

Mowing will be paid for as provided in Subsection **810.28**.

Payment for each item includes all direct and indirect costs and expenses required to complete the work.

Payment will be made under:

Item No.	Pay Item	Pay Unit
8121000	Sprigging	MSY
8104XXX	Fertilizer (<i>Analysis</i>)	Ton
8105000	Lime	Ton