

## 650 ROADSIDE

### ITEM 660 - SODDING

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**660.01 Description.** This item shall consist of furnishing, hauling, excavating for and preparing the bed, and placing sod on areas specified or directed by the Engineer.

**660.02 Sod.** The sod shall be well-rooted Kentucky Bluegrass (*Poa pratensis*) or Canadian Bluegrass (*Poa compressa*) containing a growth of not more than 30 percent of other grasses and clovers, and free from all noxious weeds such as wild mustard, thistles, quack grass, etc., and reasonably free from dandelions, crab grass, etc.

**660.03 Lifting Sod.** The sod shall be recently mowed to a length of not more than 3 inches (76 mm). It shall be cut into strips of not less than 3 feet (0.19 m) and not over 6 feet (1.8 m) with a uniform width of not over 24 inches (610 mm).

Sod shall be delivered to the job within 24 hours after being cut and shall be installed within 36 hours after being cut. During wet weather the sod shall be allowed to dry sufficiently to prevent tearing during handling and placing, and during dry weather it shall be watered before lifting to insure its vitality and to prevent the dropping off of the soil in handling.

**660.04 Preparation of Areas to be Sodded.** Before the sod is placed, the sod bed will have been excavated to such a depth that when the sod is in place the top of the sod will be flush with the surrounding grade and in accordance with the typical cross section. *Suitable topsoil material shall be incorporated into the sod bed if necessary.* Commercial fertilizer and agricultural liming material shall be applied and incorporated in the areas to be sodded at the rate specified in Section 659.08 to a depth of not less than 2 inches (50 mm), and not more than 48 hours before the sod is placed. Immediately prior to the placing of the sod, the area shall be raked, or otherwise brought to an even surface forming a proper sod bed, and if dry, the sod bed shall be thoroughly watered previous to placing of the sod.

**660.05 Placing Sod.** No sod shall be placed when the temperature is below 32°F (0°C). No frozen sod shall be placed nor shall any sod be placed upon frozen soil.

When sod is placed between the dates of June 1 and October 15, it shall be covered immediately with a straw mulch 1 inch (25 mm) thick, loose measurement. Sodding shall be placed only during the period between March 15 and November 1.

Sod shall be lifted from trucks or storage piles and placed by hand with close joints and no overlapping. All gaps between sections of sod and openings at angles and the like, shall be plugged with sod. After *placement*, the sod shall be *watered* thoroughly and then tamped with approved sod tampers sufficiently to bring the sod into close contact with the sod-bed and insure tight joints between the sections or strips. Upon the completion of the above work, the surface of the sodded areas shall coincide with the finished grade.

**660.06 Placing Sod on Slopes.** On slopes two to one and steeper sod shall be laid with the long edges of the strips parallel to the contour starting at the bottom of the slope. Successive strips shall be neatly matched and all joints staggered or broken.

Each strip or section of sod placed on slopes two to one and steeper and which are 6 feet (1.8 m) or over in height, measured on the slope, shall be staked securely with at least two stakes not more than 2 feet (0.6 m) apart with the flat side against the slope. Stakes shall be wood and shall be at least 1/2 inch x 3/4 inch x 12 inches (12.7 x 19 x 305 mm), driven flush with the top of the sod.

Sod *placed* on slopes shall be *watered* thoroughly, and then tamped *with approved sod tampers sufficiently* to bring the sod into close contact with the sod-bed and insure tight joints between the sections or strips.

Except as noted in this section sodding done on slopes shall be as prescribed under Section 660.05.

**660.07 Placing Sod in Ditches.** Sod placed in ditches shall be *placed* with long edges of the strips perpendicular to the flow line of the ditch. Successive strips shall be neatly matched and transverse joints staggered. The sod shall be staked securely with stakes placed at a maximum distance of 2 feet (0.6 m) and stakes in adjacent rows staggered. Stakes shall be wood and may vary in size from 1/2 inch x 3/4 inch x 12 inches (12.7 x 19 x 305 mm) to 1 inch x 1 inch x 24 inches (25 x 25 x 610 mm) as required to hold the sod in place. Stakes shall be driven flush with the top of the sod.

**660.08 Watering.** The Contractor shall keep all sodded areas, including the subgrade, thoroughly moist for 30 days after sodding. *The Contractor shall maintain all sodded areas until final inspection. Maintenance shall also include repairing any areas damaged following the sod placement operation due to wind, water, fire, tire tracks or other causes. Such damaged areas shall be repaired to re-establish the condition and grade of the area prior to sodding. Maintenance and repair shall be accomplished as directed by the Engineer at no additional cost to the City.*

**660.09 Method of Measurement.** Measurement of sodding shall be the actual number of square yards (square meters) of area sodded, completed and accepted.

For water line construction, the quantity of sodding to be paid for as a result of the Contractor's operations shall be measured for payment only within lines given by the Engineer, but in no case shall such payment lines be set more than 10 feet (3.0 m) apart, measured at right angles to the centerline of the trench. However, it may prove necessary or desirable to re-sod areas outside the specified payment lines for such work, in which event the Contractor will be ordered in writing, to do such work and this work will be measured for payment to the limits ordered by the Engineer. However, sod replaced exterior to the specified payment lines, which has become damaged by reason of the Contractor's operations during or subsequent to construction, shall be replaced by the Contractor, at his own cost and expense, as specified.

**660.10 Basis of Payment.** Payment will be made at the contract price for:

<b>Item</b>	<b>Unit</b>	<b>Description</b>
660	Square Yard (Square Meter)	Sodding