

**ITEM 610.0403 03M - SPOT MOWING AND LITTER REMOVAL - EQUIPMENT COST - FIXED PRICE**

**DESCRIPTION:**

The work will consist of providing the necessary equipment to mow existing turf, trim vegetation, or remove and dispose of litter in the locations or areas designated by the Engineer in Charge. Any one or all three of these operations can be required at a location. This work is in addition to the normal mowing and litter removal cycles.

**MATERIALS:**

None Specified

**CONSTRUCTION DETAILS:**

A. Litter Removal and Disposal - The contractor shall be responsible for removing all litter and debris in the areas designated by the engineer. Litter to be removed shall include but not be limited to; tires, metal, plastic and glass bottles, cans, and paper. The designated areas for litter removal shall include but not be limited to right of way fences, ditches, areas behind guide rails, and medians. Any litter remaining after mowing shall also be removed. Litter shall be disposed of as per Section 107-10 of the Standard Specifications.

B. Mowing - Mowing shall be performed on all areas designated by the Engineer. Vegetation shall be mowed to a height of 100mm.

The contractor shall use only properly equipped tractors and mowing equipment which have been approved by the Engineer. The cutting blades on all mowers must be sharp and in proper operating condition to prevent damage to the turf. The effort to mow some areas such as drainage ditches, stone-lined ditches, raised curbs, cut slopes and fill slopes, and around roadside obstacles may require the use of specialized equipment in order to perform the mowing operation. The types of equipment required may include but not be limited to; articulated mowers (for mowing over guide rail), slope mowers, and sickle, flail, or rotary mowers as well as hand-held trimming equipment.

The contractor may, as approved by the Engineer and according to good horticultural practices, remove and dispose the lower branches of major trees that interfere with safe mowing. Such pruning will only be performed on plant material where the removal and disposal of branches is consistent with the plant material's typical habit of growth.

C. Trimming - Trimming shall be performed on all areas designated by the Engineer. Trimming shall consist of the reduction of vegetation from all roadside obstacles including but not limited to sign posts, utility poles, guide rail posts, ditch lines, headwalls, bridge abutments, and from around landscape trees and shrubs.

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- D. Liability - The contractor shall be responsible for the replacement or care, as determined by the Engineer, of any plant materials, that as a result of the contractor's operations are either dead or damaged. Care may consist of, but not be limited to pruning and fertilizing.
- E. Schedule of Spot Mowing and Litter Removal - The contractor shall commence spot mowing and litter removal at the designated locations within two workdays after notification by the Engineer. The work required under this item is in addition to the work required under item 08610.04M, Right of Way Mowing and Litter Removal.
- F. Maintenance and Protection of Traffic - The contractor shall provide all the necessary maintenance and protection of traffic work to support the spot mowing and litter removal.

**METHOD OF MEASUREMENT:**

The Engineer's Estimate indicates a base equipment cost for estimating purposes only. This work will be measured as the actual cost of the equipment required to complete the work. The cost shall be based upon force account records submitted to reflect the work actually performed in accordance with Section 109-05B2 and Section 109-05C of the Standard Specifications, except as modified below:

For contractor-owned equipment the rate shall be based on the appropriate section(s) of the "Blue Book" rental guide, published by Dataquest, using the monthly rate divided by 176 hours per month, multiplied by the specific Rate Adjustment factor to attain the Adjusted Hourly Rate. The Adjusted Hourly Rate will be multiplied by the actual hours of equipment use. The Estimated Operating Cost will then be computed according to the Rental Rate Blue Book and Section 109-05B of the Standard Specifications. Specification 109-05 B1.(c)(1)(a) is further modified as follows: delete "moving the equipment onto and away from the project or work site,...". Movement of equipment not capable of over-the-road travel, such as that which must be transported by a trailer, will be reimbursable when directed to the site by the Engineer.

The fixed price bid amount is not to be altered in any manner by the bidder. Should the bidder alter the amount shown, the altered figure will be disregarded and the original price will be used to determine the total amount bid for the contract.

**BASIS OF PAYMENT:**

The contractor shall keep accurate equipment cost records for the work described above in a manner required by Section 109-05 of the Standard Specifications. The payment of the actual work will be determined by the actual cost for the Equipment required to satisfactorily complete the work. Labor, materials, overhead and profit will be paid for separately.