

ITEM 610.0411 03 - SPOT MOWING, SWEEPING AND LITTER REMOVAL - LABOR AND MATERIAL -FIXED PRICE

ITEM 610.0412 03 - SPOT MOWING, SWEEPING AND LITTER REMOVAL- OVERHEAD & PROFIT – PERCENT

ITEM 610.0413 03 - SPOT MOWING, SWEEPING AND LITTER REMOVAL - EQUIPMENT COST - FIXED PRICE

DESCRIPTION:

Labor, Material and Equipment

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

Overhead & Profit

Under this pay item the contractor will be compensated for overhead and profit on the cost of the work performed under Item 610.0411 03, Spot Mowing, Sweeping and Litter Removal - Labor and Material - Fixed Price (DC). The purpose of this pay item is to establish a percentage that will be multiplied against the cost of Item 610.0411 03, to calculate the amount due the contractor for overhead and profit.

MATERIALS:

None Specified

CONSTRUCTION DETAILS:

- A. Sweeping - Shoulders, paved medians, paved gutters and other paved surfaces shall be cleaned by the use of mechanical sweepers, hand brooms or other effective means. All dirt, vegetation and other debris shall be removed from the shoulders, paved medians, other paved surfaces and the tops and sides of all median barriers, safety walks, guiderail, and curbs. Flushing of debris into the highway drainage system shall not be permitted. Dusty conditions resulting from the contractor's operations shall be corrected by the use of water. Sweepings shall be removed and not swept to outside of the paved shoulder.
- B. Litter Removal and Disposal - The contractor shall remove all litter and debris along the project limits from right of way line to right of way line. This area includes all right of way fences, ditches, medians and the area behind guide rails. Litter to be removed shall include but not be limited to: tires, metal, plastic, wood, bottles, cans, and paper. All collected litter, debris and dead animal carcasses shall be disposed of in accordance with the Standard Specifications Section 107-10.
- C. Mowing - Mowing shall be performed on all areas designated by the Engineer. Vegetation shall be mowed to a height of 4 inches (100mm).

The contractor shall use only properly equipped tractors and mowing equipment. 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.

ITEM 610.0411 03 - SPOT MOWING, SWEEPING AND LITTER REMOVAL - LABOR AND MATERIAL -FIXED PRICE

ITEM 610.0412 03 - SPOT MOWING, SWEEPING AND LITTER REMOVAL- OVERHEAD & PROFIT – PERCENT

ITEM 610.0413 03 - SPOT MOWING, SWEEPING AND LITTER REMOVAL - EQUIPMENT COST - FIXED PRICE

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.

- A. 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.
- 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, as well as the repair of ruts from mowing equipment.
- 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 610.04 03, Right of Way Mowing and Litter Removal.
- F. Work Zone Traffic Control - The contractor shall provide all the necessary work zone traffic control to support the spot mowing and litter removal.

METHOD OF MEASUREMENT:

Labor & Material

The Engineer's Estimate indicates a base labor and base material cost for estimating purposes only. This work will be measured as the actual cost of labor and materials, required to complete the work, excluding overhead and profit, which will be paid under a separate item. 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. 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.

Equipment

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

ITEM 610.0411 03 - SPOT MOWING, SWEEPING AND LITTER REMOVAL - LABOR AND MATERIAL -FIXED PRICE

ITEM 610.0412 03 - SPOT MOWING, SWEEPING AND LITTER REMOVAL- OVERHEAD & PROFIT – PERCENT

ITEM 610.0413 03 - SPOT MOWING, SWEEPING AND LITTER REMOVAL - EQUIPMENT COST - FIXED PRICE

will then be computed according to the Rental Rate Blue Book and Section 109-05B of the Standard Specifications. Specification 109-05 B.1.(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.

Overhead & Profit

Under this item the contractor is to enter as the bid, a percentage for overhead and profit which will be multiplied against the actual cost of Item 610.0411 03, Spot Mowing and Litter Removal - Labor and Material - Fixed Price (DC), to determine the amount due the contractor.

For the purpose of bidding, the fixed price in the Engineer's Estimate for Item 610.0411 03 shall be used as the quantity for this item.

BASIS OF PAYMENT:

Labor & Material

The contractor shall keep accurate labor and material 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 Labor and Materials required to satisfactorily complete the work. Equipment, overhead and profit will be paid for separately.

Equipment

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.

Overhead & Profit

The actual overhead and profit payment will be determined by multiplying the contractor's bid percentage against the actual cost of Item 610.0411 03, Spot Mowing and Litter Removal - Labor and Material - Fixed Price (DC).

An additional amount of overhead and profit on subcontractor's work services and fees will be as specified in the "Bidding" section of the Special Notes in this Proposal.