

Amend **Section 201 - Clearing and Grubbing** to read as follows:

"SECTION 201 - CLEARING AND GRUBBING

201.01 Description. This section is for removing and disposing of vegetative and unwanted material from the right-of-way, easements, road approaches, project and borrow pit sites, and areas designated in the contract. Also, this section includes the preservation of vegetation and objects designated to remain from injury and defacement. In addition, this section includes the removal and proper disposal of abandoned vehicles and other large appliances that are found in the work areas. The Contractor shall clear and grub before grading.

201.02 Materials. Paint required for cut and scarred surfaces of trees and shrubs selected for retention shall be an acceptable asphaltum base paint prepared especially for tree surgery.

201.03 Construction Requirements.

(A) Clearing and Grubbing. Clear the natural ground of vegetative and unwanted material interfering with the proposed work. Vegetative material include trees, logs, stumps, roots of downed trees, brush, residue of agricultural crops, grass and weeds. Unwanted material includes lumber, trash piles and other loose debris.

The following are the limits for clearing and grubbing:

(1) Highway Construction Area. This includes structures, frontage roads and streets, ramps, approaches, ditches and channels with a bottom width of 12 feet or more, and other constructed accessory roads and connections. Extend such areas to a width of 5 feet outside excavation and embankment slope lines. When slopes require rounding, extend the areas to the outside limits of slope rounding.

(2) Ditches And Channels With A Bottom Width Of Less Than 12 Feet. Such areas shall extend to a width of two feet outside the slope lines.

(3) Material sites within the right-of-way.

(4) Areas enclosed by interchange loops and ramps.

Grub the area below the natural ground surface within the limits specified above of vegetative and unwanted material interfering with the proposed work. The Engineer will not allow unsuitable materials to remain in or under embankments and dikes except those shown in this section.

When authorized, cut the undisturbed stumps and roots and nonperishable solid objects not more than six inches above the existing ground. The Engineer will not require grubbing of the remaining stumps and large roots.

The undisturbed stumps and roots and non-degradable solid objects shall be a minimum of 3 feet below subgrade or slope of embankments. Exceptions are locations where constructing a structure, driving piles, excavating subdrainage trenches and removing unsuitable material.

Backfill stump holes and other holes with suitable material and compact according to Subsection 203.03(C) - Embankment Construction except in areas to be excavated.

Protect trees and shrubbery that are to remain from injury at no cost to the State. Cut the trees to be removed without injuring the trees and shrubbery that are to remain.

Cut off low hanging branches of trees extending over the roadway within 20 feet of finished grade close to the boles. Also, in removing such branches, remove other branches to present the tree with a balanced appearance. Treat cuts and scars with a heavy coat of acceptable tree paint.

The total area that the Contractor may expose shall not exceed the limits of Section 209 - Erosion Control.

(B) Removal and Disposal of Material. Dispose the material removed at an authorized land disposal site.

The Contractor may reduce degradable material to chips of a maximum thickness of 0.25 inch and may dispose the chips in areas enclosed by interchange loops and ramps or between the slope lines and right-of-way lines. Distribute the chips uniformly on the ground surface. Also, mix the chips with the underlying earth so that the chips do not support combustion.

Leave the roadway and adjacent areas with a neat and finished appearance. Dispose slashings, inflammable material, and other debris. The Engineer will not allow open burning of material.

(C) Removal and Disposal of Abandoned Vehicles. If determinable, the Contractor shall provide the Engineer the vehicle year, make, model, license number and vehicle identification number, and body type on a form to be supplied by the State. The Contractor shall also take two photographs of

each vehicle one front and one side view. The State will supply one signed and notarized copy of the County's DISPOSITION OF ABANDONED VEHICLES form. The Contractor shall then deliver the vehicle, together with the County form and photos, to the Puhi Metals Recycling Center at 3951 Puhi Road, where the vehicle will be accepted at no charge.

201.04 Method of Measurement. The Engineer will not measure clearing and grubbing including removing large trees for payment. The Engineer will measure the removal and disposal of abandoned vehicles and other large appliances on a force account basis according to Subsection 109.04 - Extra and Force Account Work.

201.05 Basis of Payment. The Engineer will not pay for clearing and grubbing including removing large trees separately. The Engineer will consider the cost for clearing and grubbing as included in the contract price of the various contract items.

The Engineer will pay for the removal and disposal of abandoned vehicles and other large appliances on a force account basis according to Subsection 109.04 - Extra and Force Account Work.

The cost includes full compensation for watering, disposal of material, and furnishing equipment, tools, labor, materials, and incidentals necessary to complete the work."

END OF SECTION