

**CITY OF SAN ANGELO****ITEM 100****PREPARING RIGHT-OF-WAY****100.1. DESCRIPTION.**

This Item shall govern the clearing and grubbing for the preparation of the Right-of-Way for construction operations by the removal and disposal of all obstructions from the Right-of-Way and from designated easements, where removal of all such obstructions is not otherwise shown on the Plans and specifications.

Such obstructions shall be considered to include remains of houses, foundations, floor slabs, concrete, brick, lumber, plaster, septic tank drain fields, basements, abandoned utility pipes or conduits, equipment, fences, retaining walls, outhouses, and shacks.

This Item shall also include the removal of trees and shrubs and other landscape features not designated for preservation, stumps, brush, roots, vegetation, logs, curb and gutter, driveways, paved parking areas, miscellaneous stone, sidewalks, drainage structures, manholes, inlets, abandoned railroad tracks, scrap iron and debris, whether above or below ground except live utility facilities.

**100.2. CONSTRUCTION METHODS.**

**(1) General.** All areas as shown on the Plans, shall be cleared of all structures and obstructions as defined above. Those trees, shrubs and other landscape features specifically designated by the City for preservation shall be carefully protected from abuse, marring, or damage during construction operations. Continual parking and/or servicing of equipment under the branches of trees marked for preservation will not be permitted. When trees and shrubs are designated for preservation and require pruning, they shall be trimmed as directed by the City and all exposed cuts over two (2) inches in diameter shall be treated with a material approved by the City.

Culverts, storm sewers, manholes and inlets shall be removed in proper sequence for maintenance of traffic and drainage.

Underground obstructions, except those items designated for preservation, shall be removed to the following depths:

(a) In areas to receive embankment: one (1) foot below natural ground, except when permitted by the Plans, trees and stumps may be cut off as close to natural ground as practicable on areas which are to be covered by at least three (3) feet of embankment.

(b) In areas to be excavated: one (1) foot below the low elevation of the excavation.

(c) All other areas: one (1) foot below natural ground.

**(2) Disposal of Material.** Unless otherwise shown herein, all materials and debris removed shall become the property of the Contractor, including all merchantable timber, and shall be removed from the Right-of-Way and disposed of in a manner satisfactory to the City, except that gravel, brick, stone, or broken concrete, when approved by the City, may be used in the roadway embankment. This material shall conform to the requirements of Item 132, "Embankment".

**(a) State or National Forest or Park:** The provisions shown on the Plans for removal of the timber shall apply. No timber shall be cut or defaced outside of the Right-of-Way lines or material pit limits as indicated on the Plans or by the City.

**(b) Burning of Brush:** When burning of brush is permitted under applicable laws and by the City, the following shall govern.

**(i)** Where construction is on new location, the brush shall be piled and burned in the center of the work area.

**(ii)** When a portion of the project falls within the limits of a state or National Forest or Park, the Contractor shall notify the responsible agencies prior to any burning.

**(3) Backfill.** Holes remaining after removal of all obstructions, objectionable material, trees, stumps, etc., shall be backfilled with approved material, compacted and restored to approximately its original contours by blading, bulldozing, or by other methods, as approved by the City. In areas to be immediately excavated, the backfilling of holes may not be required when approved by the City.

Before backfilling, the remaining ends of all abandoned storm sewers, culverts, conduits, and water or gas pipes over 3 inches in diameter, shall be plugged with an adequate quantity of concrete to form a tight closure.

### **100.3 MEASUREMENT.**

**(1) Methods of Measurement.** This Item will be measured by one of the following methods:

**(a) Preparing Right-of-Way (Acre).** The work performed will be measured by the by the nearest tenth of an acre of Right-of-Way as shown on the Plans.

**(b) Preparing Right-of-Way (Station).** The work performed will be measured by the "100-Foot Station" regardless of the width of the Right-of-Way as shown on the Plans.

**(c) Preparing Right-of-Way (Tree).** The work performed will be measured by each tree removed of the diameter specified.

**(2) General.** Measurement for payment for "Preparing Right-of-Way (Acre)" and for "Preparing Right-of-Way (Station)" will be made only on areas indicated and classified on the Plans as "Preparing Right-of-Way". Work required by the City on additional areas (such as additional Right-of-Way, additional cut and embankment areas, etc.) shall be measured as specified above.

Areas other than those set forth above will not be measured for payment.

**100.4. PAYMENT.**

The work performed and material furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Preparing Right-of-Way," and/or "Preparing Right-of-Way (Trees)" of the diameter specified. This price shall be full compensation for trimming designated trees and shrubs; for removal and disposal of all obstructions and debris; for backfilling all holes; for furnishing and placing all concrete for plugs; for restoring areas to original condition; and for all labor, equipment, tools and incidentals necessary to complete the work.

All work performed in areas not so designated on the Plans as "Preparing Right-of-Way," except "additional areas" as defined under "Measurement" or specifically covered otherwise, will not be paid for directly but shall be considered as subsidiary work pertaining to the various bid items.

The total payment for this Item will not exceed ten (10) percent of the original contract amount until after the completion of the entire contract work to the satisfaction of the City. That portion of the contract amount for this Item in excess of ten (10) percent of the total contract amount will then be paid on the next estimate after the work is accepted and after the partial release of retainage.