

APPENDIX A

TECHNICAL SPECIFICATIONS FOR SERVICE WORK ITEMS

SECTION I—DEFINITIONS

1.1 – DEFINITIONS

BIOMASS TREES: Any conifer material 2 inches stump diameter to 4.9 inches DBH.

BOLE SPACING: The horizontal distance in feet from the edge of one leave tree bole to another leave tree bole, measured from the outside bark of each tree.

CIRCULAR PLOT: A sample plot within a thinning unit that is used to determine the number of desirable trees and other contract specifications.

COARSE WOODY DEBRIS: Woody material left on the ground to meet wildlife habitat requirements.

CROWN RATIO: The ratio of live crown length (tip of leader to base of the crown) to total tree length/height.

CROWN SPACING: The horizontal distance in feet between the dripline of a live crown to another live crown.

CUT TREES: Trees that do not possess the characteristics of desirable leave trees, and are required to be cut. As described by the contract or otherwise marked to be cut.

CUTTING UNIT (UNIT): see Treatment Unit definition

DAMAGED TREES: Trees damaged beyond recovery. A tree that is larger than two feet in height, and has the top knocked out, is leaning more than 10 degrees, has less than one half of its original limbs, or has approximately 50 percent of bark removed from the circumference of the bole.

DBH: Diameter at breast height, measured at a point of 4.5 feet above the ground level on the uphill side of the tree.

DECKING: Stockpiling of trees in a designated area.

DEAD/DYING TREES: Trees with the crown foliage changing from green to red, yellow, or needleless. Any tree that has pitch tubes indicating Mountain Pine Beetle infestation.

DIB: Diameter inside bark.

HANG-UP TREE: Any cut tree suspended above ground level.

LEAVE TREE: Trees that possess desirable characteristics and that serve to create the basis for designated spacing requirements shall not be cut.

NON-SAWTIMBER TREE: Lodgepole Pine 5 inches DBH to 6.9 inches DBH; Ponderosa Pine 5 inches DBH to 9.9 inches DBH; other conifers 5 inches DBH to 7.9 inches DBH.

PAYMENT UNIT (UNIT): See Treatment Unit.

PERFORMANCE REQUIREMENTS SUMMARY (PRS): Identifies the key service outputs of the contract that will be evaluated by the Government to assure contract performance standards are met by the Contractor.

PILING: Non-merchantable material moved to agreed upon location shall be piled for future treatment by the Government.

PROGRESSION OF WORK: Work conducted in a progressive, workmanlike and orderly manner by the Contractor.

RESERVE CLUMPS: Groups of trees within a treatment area that are protected from cutting, may also include Individual Reserve trees.

SAWTIMBER TREE: Lodgepole Pine 7 inches DBH and above; Ponderosa Pine 10 inches DBH and above; other conifers 8 inches DBH and above.

SUBDIVISION: See Treatment Unit.

TEMPORARY ROADS: Non-permanent roads that are constructed by Contractor for the purpose of treatment unit access.

TREATMENT UNIT (UNIT): An individual area on the ground in which activities will be performed and which may appear as a separate pay item in the Schedule of Items.

WILDLIFE TREE: Standing dead and/or dying trees. Used by birds and small mammals for shelter, nesting, perching, etc.

SECTION II—ACTIVITY ITEMS

2.1 – CLIN DESCRIPTIONS:

Felling:

CLIN 0001—

All trees are designated for cutting when meeting the minimum specifications for cutting as shown on the table below and not selected as Leave trees.

DBH and SPACING CRITERIA		
UNIT	CUTTING DESIGNATION	REQUIREMENTS
All	All live Lodgepole Pine greater than <u>6</u> inches stump diameter	Lodgepole Pine Trees: Cut all live
		Wildlife Trees: Retain all trees marked with pink paint

Skidding/Yarding:

CLIN 0001—

- (a) All non-sawtimber trees are required to be Whole Tree skidded/yarded to landing.
- (b) Contractor shall leave tops and limbs of felled trees attached to non-sawtimber and yard them to landings
- (c) Logs shall be skidded with the leading end free of the ground.
- (d) Tractor skid roads shall be no less than 100 feet apart on average, depending on topography, except when converging.
- (e) Skidding within 100 feet of live streams shall not be permitted. Skid trails shall be located high enough out of draws and swales to permit diversion of runoff water to forest ground cover. Prior to periods of accelerated water runoff, Contractor shall inspect and open culverts, drainage structures, construct cross ditches for road runoff and take other reasonable measures to prevent erosion.

Removal:

CLIN 0001—

- (a) All non-sawtimber trees are to be removed from the project area.

Slash:

CLIN 0002—

- (a) All trees shall be whole tree skidded (trees are intact when skidded). All trees are to processed (limbs and tops removed) at the landing.
- (b) Incidental biomass size trees that cannot be feasibly skidded or fall out of the grapple during the skidding operation maybe treated by lopping and scattering not to exceed a depth of 18 inches.

Temporary Road:

CLIN 0003 and 0004—

- (a) Scarification to a minimum depth of 10 inches.
- (b) On road sections where grade exceeds 10%; create waterbreaks/waterbars every 50 feet, on average.
- (c) Seed as directed in Appendix B, K-G.6.0.1#.
- (d) Up to 60% of the disturbed surface will be covered by scattering slash so it will not exceed 12 inches above the ground surface. Slash preferred will be tops and foliage.
- (e) Temporary culverts will be completely removed from the project area and National Forest. The streambanks at the crossing will be reshaped to a natural profile. Fill used to cover the culvert will be scattered outside the riparian area.
- (f) Temporary roads will be closed for the entire length. Closure will be accomplished using a Forest Service approved method that includes one, or a combination of the following methods: slash, including large diameter cull logs; Kelly hump; tank trap; and/or rocks.

Gate Installation and Removal *(if awarded):*

CLIN 0005 and 0006—

- (a) Contractor to supply and install a temporary gate, in accordance with contract specifications.
- (b) Gate shall be wide enough to block the temporary road which will be constructed to access Units 3-7.
- (c) Contractor to remove and keep the temporary gate.

GATE LOCATION				
ROAD	LOCATION	FURNISHED BY	INSTALLED BY	REMOVAL REQUIRED
Temp Road	At termination of Shoshoni Road	Contractor	Contractor	Yes, following obliteration of temporary road

Road Maintenance *(if awarded):*

CLIN 0007 and 0008—

- (a) Road Maintenance per Appendix C specifications.

