

KT-CT.1.1# - TIMBER SUBJECT TO AGREEMENT (09/2004)

In addition, there is within Sale Area an unestimated quantity of:

| Species | Product |
|----------------|------------|
| White Spruce | Sawtimber |
| Mixed Hardwood | Pulpwood |
| Mixed Conifer | Pulpwood |
| Softwood | Grn Bio Cv |
| Hardwood | Grn Bio Cv |

that shall be Included Timber upon written agreement.

KT-CT.3.5.2# - DESIGNATION BY SPECIES AND DIAMETER (09/2004)

Trees that meet Utilization Standards are designated for cutting, as shown on the Tree Designation Table and Sale Area Map, except trees Marked with orange paint or described to be left uncut.

See Tree Designation Table.

Additional trees to be cut, if any, are Marked with n/a paint.

All n/a shall be left as leave trees, unless Marked with n/a paint. Leave n/a trees of the designated cut species, n/a inches stump diameter or greater, to avoid leave tree spacing greater than n/a feet. Cutting unit boundaries and other trees that shall be left uncut are Marked with orange paint.

Distances are measured horizontal distance, outside bark stump height to outside bark stump height. Stump diameter is measured outside bark at stump height in a horizontal and is the average of a measurement across the short axis through the true center of the stump and a second measurement at right angles to the short axis.

Contractor and Forest Service shall agree to skid trail location under BT6.422. Skid trails shall be no greater than n/a feet wide with a n/a foot spacing. Quantities of trees located in skid trails are Included Timber under AT2.

TABLE PURSUANT TO KT-CT.3.5.2# - DESIGNATION BY SPECIES AND DIAMETER (04/2004)

Tree Designation Table

| Payment Unit(s) | Designated Species | More than Stump Diameter (inches) | Less than Stump Diameter (inches) |
|-----------------|--------------------|-----------------------------------|-----------------------------------|
| All | Aspen | 6 inches | N/A |
| | Paper Birch | 6 inches | N/A |
| | Maple | 6 inches | N/A |
| | Balsam Fir | 6 inches | N/A |
| | Spruce | 6 inches | N/A |

KT-CT.3.5.6# - INDIVIDUAL TREES, LEAVE TREE MARKING (06/2009)

Individual trees which are NOT TO BE CUT are Marked with indicated color above and below stump height in all or parts of the following Payment Units. Areas of Leave Tree Marking are shown on the Contract Area Map with the symbol "LTM."

| Payment Unit | Paint Color |
|--------------|-------------|
|--------------|-------------|

TABLE PURSUANT TO KT-CT.3.5.6# - Individual Trees, Leave Tree Marking (06/2009)

| Payment Unit | Paint Color |
|--------------|-------------|
| 8 | Orange |

KT-FT.2.2.1# - MATERIAL SOURCES (09/2004)

Sources of local materials are designated on Plans and Contract Area Map. Forest Service assumes responsibility for the quality and quantity of material in designated sources. Contractor shall determine the equipment and work required to produce the specified product, including the selection of acceptable material that is reasonably available in the source that meets specifications. The designation of source includes the rights of Contractor to use certain area(s) for plant site, stockpiles, and haul roads.

Should the designated source, due to causes beyond the control of Contractor, contain insufficient acceptable material, Forest Service will provide another source with adjustment in accordance with FT.2.5.3.

When Contractor elects not to use designated sources, Contractor shall furnish the specified product with no adjustment in unit rates. Quality testing shall be the responsibility of Contractor. Test results shall be furnished to Forest Service.

When Contractor elects not to use designated sources and Schedule of Items lists pit development separately, cost allowance will be reduced under FT.2.5.3 when Forest Service determines the work will not be required.

When materials are subject to a weight measurement, the specific gravity or weight/volume relationship used as a basis for determination of estimated quantities shall be:

Source I FR 771 Pit , Source II n/a , and Source III n/a .

Contractor may, when agreed in writing, use on the project such suitable stone, gravel, and sand, or other material found in the excavation, and will earn a cost allowance for the excavation of such materials at the corresponding contract unit price and for the pay items for which the excavated material is used. Contractor shall replace, without additional cost allowance, sufficient suitable materials to complete the portion of the work, which was originally contemplated to be constructed with such material. Contractor shall not excavate or remove any material, except that which is within the excavation limits, without written authorization from Forest Service.

When material is appraised from non-National Forest designated sources, owner charges for the material in terms of unit cost for royalties, purchase of raw materials, or finished products shall be as follows until n/a :

See Material Source Table.

Should quantity vary from that estimated, payment to owners shall be for units actually obtained. Contractor shall make arrangements with owner(s) for measurement and payment for royalties, purchase of raw materials, or finished products, as shown above.

Materials produced or processed from National Forest lands in excess of the quantities required for performance of this contract are the property of Forest Service, unless prior written agreement has been obtained to use excess material on other National Forest contracts. Forest Service is not obligated to reimburse Contractor for the cost of their production.

Materials shall be stored to assure the preservation of their quality and fitness for the work. Stored materials shall be located to facilitate their prompt inspection. Sites on Forest Service administered land, approved by Forest Service, may be used for storage purposes and for the placing of Contractor's plant equipment. All storage sites provided by Forest Service shall be restored at Contractor's expense.

Contract Name: Dollar Bill Stewardship

Contractor shall be responsible for making arrangements for storage on other than Forest Service administered lands.

When the construction of the portion of the project for which Temporary Roads used for hauling materials is completed, all such Temporary Roads shall be restored as nearly as practicable to their original ground profile, unless otherwise agreed in writing.

KT-FT.2.2.1# - MATERIAL SOURCES. (9/04)

Material Source Table:

| Material | Type of Purchase | Owner(s) Unit of Measure | Unit Price | Estimated Quantity | Total |
|--------------------------------|------------------|--------------------------|------------|--------------------|-------|
| Pit Run or Suitable Substitute | n/a | Cu. yd. | n/a | 693.3 cu. yd. | n/a |

KT-FT.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/2004)

Contractor shall maintain roads in accordance with the following Contract Road Maintenance Requirements Summary:

See Contract Road Maintenance Requirements Summary Table.

KT-FT .3.1# Road Maintenance Requirements

SECTION 1. GENERAL

Purchaser's main Road Maintenance responsibility begins: (1) after Purchaser performs Prehaul Maintenance on a road listed in the Road Maintenance Requirements Schedule; or (2) for all other roads, when Purchaser begins to use the road. Occasional travel by Purchaser's light vehicles, prior to beginning of construction clearing or logging operations in the area accessed by the road, does not constitute beginning of use. Purchaser is not required to perform routine maintenance during periods of inactivity. During periods of inactivity, Forest Service will perform maintenance only as required to meet its needs.

The Purchaser shall maintain roads, commensurate with the Purchaser's use, in accordance with the Road Maintenance Requirements Summary and Road Maintenance Specifications. Performance of road maintenance work by the Purchaser may be required prior to, during, or after each period of use. The timing of work accomplishment shall be based on the Purchaser's operating schedule under Standard Provision BT6.31.

If the Purchaser elects to use different roads than those listed in the Road Maintenance Requirements Summary, the Contracting Officer (CO) or designee shall determine the Purchaser's commensurate share of road maintenance and/or revise road maintenance deposits.

Unless the CO or designee agrees in writing, all Prehaul Maintenance requirements shall be completed on any portion of road prior to hauling on that portion.

The Forest Service shall prepare a revised Road Maintenance Requirements Schedule to reflect changes in the original haul routes when needed.

Any work or materials that are determined to no longer be needed and are waived shall have the estimated cost charged to the Timber Sale Account as described in BT8.31.

SECTION 2. ROAD MAINTENANCE DEFINITIONS

Wherever the following terms are used in the Road Maintenance Specifications, the meaning shall be:

Base Course. Material placed on the Subgrade to distribute concentrated wheel loads.

Borrow. Select Material taken from designated borrow sites.

Crown, Inslope, and Outslope. The cross slope of the Traveled Way to aid in drainage and traffic maneuverability.

Culverts. A conduit or passageway under a road, trail, or other obstruction. A culvert differs from a bridge in that it is usually entirely below the elevation of the Traveled Way.

Drainage Dip. A dip in the Traveled Way which intercepts surface runoff and diverts the water off the Traveled Way. A Drainage Dip does not block the movement of traffic.

Drainage Structures. Manufactured structures which control the runoff of water from the Roadway including Inslope, overside drains, aprons, flumes, downdrains and downpipes.

During Haul Maintenance. Road maintenance work to be accomplished during the period of timber removal.

Geotextile. A group of construction fabrics with varying attributes designed for different purposes.

Lead-off Ditches. A ditch used to transmit water from a Culvert, Drainage Structure or Drainage Dip outlet to the natural drainage area.

Maintenance Activitiy. Items of work leading to the restoration and upkeep of a road and necessary to sustain the road's anticipated traffic.

Material. Any substance specified for use in the performance of the work.

Post Haul Maintenance. Road maintenance work to be accomplished after timber removal is completed.

Prehaul Maintenance. Road maintenance work to be accomplished prior to the roads use. Roads receiving prehaul maintenance shall be shown on the Sale Area Map.

Road Maintenance Cost. An estimate of the cost to perform road maintenance activities; as determined by the Forest Service. Estimates may include any or all of the work activities listed in Section 4, Road Maintenance Activity Specifications.

Roadbed. The portion of a road between the intersection of Subgrade and sideslopes, excluding that portion of the ditch below Subgrade.

Roadside. A general term denoting the area adjoining the outer edge of the Roadway.

Roadway. The portion of a road within the limits of excavation and embankment.

Sand Hole. A hole that develops in the running surface of the road which is quite soft and dangerous in nature. Usually found in very sandy soils.

Shoulder. That portion of Roadway contiguous with Traveled Way for accommodation of stopped vehicles, for emergency use, and lateral support of Base and Surface Course, if any.

Slide. A concentrated deposit of materials from above or on backslope extending onto the Traveled Way or Shoulders, whether caused by mass land movements or accumulated ravelling.

Slough. Material eroded from the backslope which partially or completely blocks the ditch, but does not encroach on the Traveled Way so as to block passage of traffic.

Slump. A localized portion of the Roadbed which has slipped or otherwise become lower than that of the adjacent Roadbed and constitutes a hazard to traffic.

Subgrade. Top surface of Roadbed upon which Base Course or Surface Course is constructed. For roads without Base Course or Surface Course, that portion of Roadbed prepared as the finished wearing surface.

Surface Course. The Material placed on the Base Course or Subgrade to enhance traction, distribute concentrated wheel loads and resist abrasion and the effects of climate. Surface Course may be referred to as surfacing.

Traveled Way. That portion of Roadway, excluding Shoulders, used for the movement of vehicles.

Turnouts. That portion of the Traveled Way constructed as additional width on single lane roads to allow for safe passing of vehicles.

SECTION 3. ROAD MAINTENANCE REQUIREMENTS SCHEDULE

Contract Road Maintenance Requirements Summary

| Road | Termini | | Miles | Applicable Prehaul Road Maintenance Specifications | | | |
|----------|----------|----------|-------|--|--------|--------|--------|
| | From | To | | T-8110 | T-8420 | T-8130 | T-8340 |
| Camp 26 | Hwy16 | Hwy4 | 9.7 | D | n/a | n/a | n/a |
| NE Grade | Hwy4 | 6 Mi | 6.0 | P | n/a | n/a | n/a |
| FS 771 | FS 118 | 771D | 2.2 | P | P | n/a | n/a |
| FS 771D | FS 771 | Dead end | 2.7 | P | P | n/a | n/a |
| U177103 | FS 771D | Dead end | .2 | P | P | n/a | n/a |
| FS 121A | NE Grade | Dead end | 1.0 | P | P | P | P |
| FS 121AA | FS 121A | .31 mi | .8 | P | P | n/a | n/a |

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

| Road | Termini | | Miles | Applicable During Haul Road Maintenance Specifications | |
|----------|----------|----------|-------|--|--------|
| | From | To | | T-8110 | T-8030 |
| Camp 26 | Hwy16 | Hwy4 | 9.7 | D | D |
| NE Grade | Hwy4 | 6 Mi | 6.0 | P | P |
| FS 771 | FS 118 | 771D | 2.2 | P | P |
| FS 771D | FS 771 | Dead end | 2.7 | P | P |
| U177103 | FS 771D | Dead end | .2 | P | P |
| FS 121A | NE Grade | Dead end | 1.0 | P | P |
| FS 121AA | FS 121A | .31 mi | .8 | P | P |

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

| Road | Termini | | Miles | Applicable Post Haul Road Maintenance Specifications |
|----------|----------|----------|-------|--|
| | From | To | | T-8110 |
| Camp 26 | Hwy16 | Hwy4 | 9.7 | D |
| NE Grade | Hwy4 | 6 Mi | 6.0 | P |
| FS 771 | FS 118 | 771D | 2.2 | P |
| FS 771D | FS 771 | Dead end | 2.7 | P |
| U177103 | FS 771D | Dead end | .2 | P |
| FS 121A | NE Grade | Dead end | 1.0 | P |
| FS 121AA | FS 121A | .31 mi | .8 | P |

P = Purchaser Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

SECTION 4. ROAD MAINTENANCE SPECIFICATIONS

INCLUDED SPECIFICATIONS

| Specification No. | Specification Title |
|-------------------|---|
| T-8030 | Snow Removal |
| T-8110 | Maintenance Blading/Grading |
| T-8130 | Spot Surface Course Placement/Replenishment |
| T-8340 | Drainage Structure Maintenance |
| T-8420 | Cutting Roadway Vegetation |

T-8030 Snow Removal

DESCRIPTION

- 1.1 This Section provides for removal of snow from roads to facilitate logging operations and safe use. Remove snow from all or part of the traveled way, including sufficient turnouts for safe and efficient use for timber transportation and to protect the road. Remove intruding windfalls, debris or slough and slide material and dispose of only as necessary to provide passage for timber transportation. Removed materials may be deposited off the traveled way or outside the traveled way at locations designated by the Forest Service Representative (FSR). Snow may also be compacted as needed to freeze down soft areas or wet areas. This work is considered part of this specification. Equipment used for this work shall be in accordance with this specification and approved in advance by the FSR.

EQUIPMENT

- 2.1 Purchaser may use any type of equipment to remove snow, providing:
- a. Type or use of equipment is not restricted in CT5.12# or Schedule document.
 - b. Equipment is of the size and type commonly used to remove snow and will not cause damage to the road. Tracked or cleated vehicles shall not be used unless approved in writing by the FSR.
 - c. The Blade will be equipped with skid shoes to prevent loss of surfacing and damage to the road bed. On gravel and native surface roads, a minimum 1-inch depth compacted snow mat will be maintained on the roadbed during blading.

REQUIREMENTS

- 3.1 Erect signs required by the Sign Plan in the SUPPLEMENTAL SPECIFICATIONS or as shown on the Section 3. Road Maintenance Requirements Schedule. Perform work in a manner to preserve and protect roads and appurtenances, and prevent erosion damage to roads, streams, and other forest values.
- 3.2 Space, construct, and maintain drainage holes in the dike of snow or berm caused by snow removal operations. Place drain holes to obtain surface drainage without discharging on erodible fills.
- 3.3 Upon seasonal completion of Purchaser's Operations, effectively block the road by a snow barricade, unless otherwise approved by the Contracting Officer.
- 3.4 Ice control may be performed by Purchaser when approved by the FSR in writing. Such approval will include ice control materials, application rates, and any specific requirements of use.
- 3.5 Snow berms will be reduced at road intersections where plowed road segments join unplowed road segments. Reduce the piled snow in the roadway to create a smooth transition from plowed road to normal snow depth.

T-8110 Maintenance Blading/Grading

DESCRIPTION

1.1 Maintenance Blading/Grading is keeping an aggregate surfaced Roadbed in a condition to facilitate traffic and provide proper drainage. It includes maintaining the Crown, Inslope or Outslope of the Traveled Way, Turnouts, and Shoulder; repairing Berms; blending approach road intersections; and cleaning Drainage Dips and Lead-off Ditches.

EQUIPMENT

2.1 The equipment required to shape, spread, and compact surfacing is listed below.

| Road Number | Road Termini - From | Road Termini - To | Equipment Description |
|-------------|---------------------|-------------------|--|
| NE Grade Rd | Hwy 4 | 6 mi | Equipment agreed upon between the Purchaser and the FS |
| 771 | FS 118 | 771D | |
| 771D | 771 | Dead End | |
| U177103 | 771 D | .21mi | |
| 121A | NE Grade Rd | Dead End | |
| 121AA | 121A | .76mi | |

REQUIREMENTS

3.1 Maintenance Blading/Grading shall be performed to facilitate traffic and proper drainage before, during, or after Purchaser's use as required by Section 3. Road Maintenance Requirements Schedule.

3.2 The surface blading shall preserve the existing cross-section. Surface irregularities shall be eliminated and the surface left in a smooth, free-draining state needed to facilitate traffic. Surface Course Material which has been displaced to the Shoulders or Turnouts shall be returned to the Traveled Way. The blading operation shall be conducted to conserve Surface Material and to provide for a thorough mixing of the Material being worked.

3.3 On aggregate surfaced roads Material generated from back slope Sloughing and ditch cleaning shall not be blended with Surface or Base Course Material unless agreed otherwise

3.4 Roadway back slopes shall not be undercut.

3.5 Drainage Dips and Lead-off Ditches shall be cleaned and maintained to retain the existing line, grade, and cross-section.

3.5 Intersecting roads shall be bladed for a distance of 50 feet to assure blending of the surfaces.

3.6 Rocks or other Material remaining on the Traveled Way after the final pass that are 4 inches in diameter or larger shall be removed. The unsuitable Material shall be disposed of by side casting unless agreed otherwise. Side casting into streams, lakes, or water courses will not be permitted.

3.7 Material resulting from this activity shall not remain on or in structures, such as Culverts, cattle guards, ditches, bridges, and Drainage Dips.

3.8 Material resulting from this activity, plus any accumulated debris, shall be

T-8130 Spot Surface Course Placement/Replenishment

DESCRIPTION

1.1 Spot Surface Course Placement/Replenishment includes Subgrade preparation, furnishing, hauling, spreading and shaping materials in accordance with the requirements.

MATERIALS

2.1 Surface Course Material will be in accordance with the subsection 3.2 of these specifications. Only commercial sources of aggregate will be accepted, except surfacing material may also be purchased from the government, where available, by filling out a form 2600, paying the required fees, and obtaining a permit.

REQUIREMENTS

3.1 Subgrade Preparation. Prepare Subgrade to receive Surface Course Material at locations as designated on-the-ground by the Forest Service on roads listed below. Prepare the Subgrade by shaping the Roadbed to approximately the original cross-section and consistent with adjacent sections.

3.2 Furnish, haul and spread Material at locations designated on the ground by the Forest Service (FS). Compact the aggregate by operating spreading and hauling equipment over the full width of each layer of the aggregate, or by other methods as specified below.

| Road Number | Type Material | Total Quantity (Tons or cu.yds.) |
|-------------|---------------|-------------------------------------|
| 121A | Pit Run | 696.3 cu. Yds. |

3.3 Variations. The Purchaser will be required to furnish weight tickets to the FS for each load of commercially obtained crushed aggregate prior to the final inspection. For aggregate purchased from the government, a count of truck loads will be required in addition to finished depth checks for the placed and compacted aggregate. Widths and lengths will be as staked or from schedule. When it is mutually agreed that all or part of the Surface Course Material is not needed, the estimated cost of surfacing not placed shall be charged to the Timber Sale Account in accordance with BT8.31.

T-8340 Drainage Structure Maintenance

DESCRIPTION

1.1 This work consists of maintaining and/or installation/removal of Drainage Structures and related items such as: inlet and outlet channels, existing riprap, trash racks, necessary geotextiles, pipes, and drop-inlets.

MATERIALS

2.1 All Materials used in the maintenance and/or installation/removal of Drainage Structures shall conform by type and specification to the Material in the structure being maintained or as indicated in the subsection 3.3 below.

REQUIREMENTS

3.1 Drainage Structures and related items shall be cleared of all foreign Material deposited above the bottom of the structure and all vegetative growth which interferes with the water flow. Material removed that cannot be incorporated into maintenance work shall be uniformly placed on fill slopes unless agreed otherwise.

3.2 Perform maintenance to insure the proper functioning of the head walls, aprons, inlet assemblies, riprap, trash racks and other facilities related to the Drainage Structure.

3.3 Install/remove ditches, drainage dips, rock crossings and/or culverts as shown below, and as marked on the ground. Installation of structures shall not begin without the presence of a FSR unless agreed to in writing by the FSR.

| Road Number | Location | Remove/Install | Type of Structure | Size | Quantity |
|-------------|-----------|----------------|----------------------------|------------------------|----------|
| 121A | Mile 1.86 | Install | Culvert provided by the FS | 13" by17" 26ft long | 1 |

3.4 Installation shall be in accordance with construction industry standards and practices.

3.5 Culverts designated for removal/disposal shall become the property of the Purchaser and shall be disposed of properly.

3.6 Temporary culverts provided by the USFS shall remain the property of the government.

3.7 Bridges. Any miscellaneous parts needing repair or replacement during normal use of any bridge during haul shall be considered maintenance. This includes minor items such as object markers, running planks that have loosened or cracked deck boards, or drainage structures which may become plugged. Bridge decks that are dirt and dust covered shall be cleaned to allow for proper drainage and for safety of the user.

T-8420 Cutting Roadway Vegetation

DESCRIPTION

1.1 This work includes removal of brush, trees and other vegetative growth from within the clearing limits. This may include brush mowing of shoulders to prevent larger growth which would inhibit travel in the future.

EQUIPMENT

2.2 Equipment use may include farm tractor mounted mowing or brushing equipment. If brushing equipment is required it must be of a size and power to cut off and masticate stems up to four inches in diameter. Larger growth may require hand clearing with a chainsaw or mechanized equipment able to handle larger trees.

REQUIREMENTS

3.1 Vegetative matter within the Roadway which impedes vehicular travel, and/or interferes with road maintenance operations, such as surface blading and ditch and culvert cleaning shall be removed. Downed timber meeting utilization standards shall be cut in appropriate lengths and decked in locations where agreed upon and the Traveled Way or sight distances will not be impaired.

3.2 Vegetative matter removed from the clearing limits shall be scattered outside the clearing limits at least 12 feet perpendicular to the road surface.

3.3 Trim tree branches that extend over the road surface and shoulders to attain a clear height of 14 feet. Trim branches flush with the tree or as close as possible without causing damage or scarring to the bole. Area shall be left neatly trimmed.

3.4 Any stump removed shall be placed in an upright position out of the clearing limits.

3.5 Area shall not be left in an unsightly condition. The FSR shall have the final say over how the area is left.

KT-FT.3.2# - ROAD MAINTENANCE DEPOSIT SCHEDULE (08/2012)

Other provisions herein notwithstanding, when Forest Service requests payment in lieu of Contractor's performance of road maintenance, Contractor shall make Required Deposits (16 USC 537) for current and/or deferred road maintenance. Such deposits are based on the estimated volume and distance hauled and Contractor's commensurate use of each road listed in the Road Maintenance Plan in KT-FT.3.1#.

Contractor and Forest Service may agree in writing on adjustment of such rates. If Contractor uses roads under jurisdiction of Forest Service other than those listed in the Road Maintenance Plan, Forest Service shall establish rates commensurate with Contractor's use of such roads.

The Required Deposits for Forest Service work in lieu of Contractor performance are N/A per CCF for recurrent maintenance, and \$.22 per CCF for deferred maintenance.

The following table lists who Contractor will make deposits for road maintenance to, and the rate per unit of measure of the deposit. The Road Maintenance Agreement is available for inspection at the Forest Supervisor's Office.

| Deposit Made To | Rate | Unit of Measure |
|-----------------|------|-----------------|
| N/A | | |

KT-FT.3.3# - SNOW REMOVAL (06/2009)

Snow removal shall be done in a manner that will preserve and protect roads, provide for safe and efficient transport of timber, and prevent erosion damage to streams and adjacent lands. In performing snow removal, Contractor shall adhere to the following performance standards, unless otherwise agreed:

Blade will be equipped with skid shoes to prevent loss of surfacing and damage to the road bed. On gravel and native surface roads, a minimum 1-inch depth compacted snow mat shall be maintained on the roadbed during blading.

Snow shall be removed from the entire road width, including turnouts.

Snow berms shall be reduced at road intersections where plowed road segments join unplowed road segments. Reduce the piled snow in the roadway to create a smooth transition from plowed road to normal snow depth.

Openings shall be created in snow berms as needed for proper drainage. Remove snow, ice, and debris from culverts and other drainage structures as needed to ensure efficient flow of water.

Tracked or clefted vehicles shall not be used for snow removal without prior written approval of Forest Service Representative.

KT-GT.3.1.3# - CUTTING SCHEDULE (06/2009)

Unless changed by written agreement, only 3 Payment Units may be released for operations at one time, and the sequence of cutting Payment Units shall be : The sequence of operations will be jointly determined between the Forest Service and Purchaser.

The following units maybe released and combined as one unit under this cutting schedule:

- 1) Payment units 4, 5, and 6
- 2) Payment units 13 & 14

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Unless there is agreement in writing to postpone specific requirements, all contractual requirements on a Payment Unit shall be accepted by Forest Service prior to the release of an additional Payment Unit.

KT-GT.3.1.4# - OPERATING RESTRICTIONS (06/2009)

Within Contract Area, unless changed by written agreement, the following operating requirements apply:

Restricted operations/activities:

All operations in Payment Units 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,17 & 18 are restricted to Frozen ground conditions (generally December 1st to March 15th) or Dry ground conditions (generally July 15th to September 15th).

All operations in Payment Unit 2 are restricted to frozen ground conditions (generally December 1st to March 15th), or if operating conditions are such that the conditions of GT.6 Erosion Prevention and Control are Met.

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Prohibited operations/activities:

n/a

KT-GT.6.3# - TEMPORARY ROAD CLOSURE (06/2009)

In addition to GT.6.3, measures to effectively block temporary roads to normal vehicular traffic shall consist of the following:

Newly Constructed temporary roads used to access PU's 2,4,5,6,7,8,9,10,11,12 & 14: Generally starting at the intersection of the newly constructed temporary road and system road, purchaser is required to obliterate the seen distance of the temporary road, up to 200 feet. When practical, obliteration would include vegetative plantings, i.e. small trees and shrubs, planted in the roadway which are obtained from the roadside along the section of the road being obliterated.

KT-GT.7# - SLASH DISPOSAL MEASURES (06/2009)

Slash resulting from Contractor's operations shall be removed from lakes, ponds, private land, right-of-way clearings for telephone lines, power lines, pipelines and other authorized facilities, and landings to be seeded under KT-GT.6#.

The tops of trees shall not be left hanging in standing trees. All trees cut for landing and other construction clearings shall be completely severed and not left leaning. Slash resulting from construction clearing shall be treated concurrent with harvest operations.

Other specific slash disposal requirements are as follows:

SDZ (1) Except as specified elsewhere in this contract, where mechanically feasible, logging slash resulting from purchasers operations shall be redistributed throughout the units and lopped and scattered so as to lie within three feet of the ground concurrent with operations.

Slash Disposal treatment zones are shown on the Contract Area Map with symbol "SDZ."

KT-GT.9# - STEWARDSHIP PROJECTS (09/2004)

Performance of stewardship projects shall be in accordance with the following specifications.

Stewardship Projects

KT-GT.9# - STEWARDSHIP PROJECTS. (9/04) Performance of stewardship projects shall be in accordance with the following specifications.

MANDATORY PROJECTS:

Project Number SP1 – Site Prep for natural seeding in Payment units 1, 2, 4, 8, 13, 14, 15 and 18 (total 211.13 acres):

Desired conditions:

Soil scarification: Scarify the ground to expose mineral soil. On average, a soil disturbance of at least 3 to 4 inches is desired. Scarify the area to provide for an adequate seed bed or planting spots. Treatment should mix organic and mineral soil and expose some mineral soil. Organic topsoil must not be scraped off the site or displaced any great distance.

Slash break up: Thick slash mats or areas of dense larger slash need to be broken up so that soil and forest floor is exposed amongst the slash. Slash does not need to be excessively piled or removed but it is desired to scarify the soil amongst the slash.

Competition reduction: Soil scarification reduces competition from undesirable species. Areas of brush or non-merchantable balsam fir left standing in unit after harvest should be treated to break off stems and disrupt roots. It is desired to break up and scarify areas of dense forbes and grass. Grass is a heavy competitor to newly established seedlings.

At least 60% of workable area must be treated to desirable condition.

Workable Areas- workable refers to areas where the ground can be manipulated to the desired result. Workable areas are typically less than 35% slope.

Workable areas **exclude:**

Reserve areas and any areas identified by the project inspector.

Streams, rock outcrops, non-forested wetlands, small low/wet inclusions.

Leave Trees:

Live trees with a diameter of 5 inches or large will be left standing and care should be taken to prevent damage. Unless it is necessary to provide access, ensure operability, or for operator safety. In these situations, cutting or damaging live trees 5 inches and larger must be approved by the project inspector.

Any tree with a painted band will be left standing.

Operate around areas with heavy residuals to avoid damaging standing trees.

Monument trees and corners will be not be damaged.

Soils, Wetlands, Rutting:

Avoid creating ruts greater than 6 inches deep. Rutting will be considered excessive when more than 15% of the treatment area of a unit is impacted.

Slash will not be pushed onto non-forested wetlands.

Streams and standing water will be avoided at a minimum of 25 ft.