CT2.11# - TIMBER SUBJECT TO AGREEMENT *(09/2004)*

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

Species	Product
Hardwood - Other	**Pulpwood**
Softwood - Other	**Pulpwood**
Hardwood - Other	**Grn Bio Cv**
Softwood - Other	**Grn Bio Cv**

that shall be Included Timber upon written agreement.

CT2.301# - PROTECTED AREAS *(06/2009)*

Notwithstanding the designations for cutting under standard provisions BT2.31, BT2.33, BT2.34, and BT2.35, trees within the area to be protected in Payment Unit **7,8,9,10 and 11** shall be left uncut. Boundary trees along the perimeter of Protected Areas have been identified by **ORANGE paint - three vertical dots on the face of each tree facing into the Payment Unit, and a spot on each side of the tree facing the next boundary tree. All PA boundary trees are also marked with orange stump marks.** Boundary trees are not to be cut. Contract Area Map indicates with the symbol "PA" units within which Protected Areas are identified on the ground and are to be left uncut.

CT2.302# - BOUNDARY TREES *(10/2019)*

Boundary trees for all harvest units have been designated with **ORANGE** paint marks above and below stump height. Boundary trees shall not be cut.

SAMPLE

CT2.351# - DESIGNATION BY SPACING *(09/2004)*

Within Payment Unit(s) or cutting unit(s) **See Tree Designation Tables (A)** , as shown on Contract Area Map, all **See Tree Designation Tables (B)** trees, except trees Marked with **Orange** paint or described to be left uncut, that meet Utilization Standards and one or more of the following criteria are designated for cutting.

(a) The required spacing is a maximum average of **See Tree Designation Table 1 (C)** feet. The tree is within **See Tree Designation Table 1 (D)** feet of a **See Tree Designation Table 1 (E)** tree that has a larger stump diameter than it; and the larger tree is not designated for cutting.

(b) The tree is within **See Tree Designation Table 2 (F)** feet of a **See Tree Designation Table 2 (G)** tree greater than or equal to **6** inches stump diameter; and this tree is not designated for cutting.

(c) The tree is Marked with **N/A** 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 plane 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.

All **N/A** shall be left as leave trees, unless Marked with **N/A** paint. No tree greater than or equal to **N/A** inches stump diameter shall be cut, unless Marked with **N/A** paint. Cutting unit boundaries and other trees that shall be left uncut are Marked with **Orange** paint.

Contractor and Forest Service shall agree to skid trail location under BT6.422. Skid trails shall be no greater than **16** feet wide with a **(edge to edge), 45** foot spacing. Quantities of trees located in skid trails **See Tree Designation Table (H)** Included Timber under AT2.

SAMPLE

Tree Designation Table 1
WO-CT2.351# - DESIGNATION BY SPACING. (4/04)

(A) Payment Unit(s)	(B) Designated Species for Cutting	(C) Average Maximum Spacing (Feet)	(D) Distance From A Tree With Larger Stump Diameter (Feet)	(E) Species with a Larger Stump Diameter	(H) Skid Trails Needed/Volume Included? (Yes/No)
03	Red Pine *	16	8	Red Pine	Yes, **are included** *Minor amounts of Spruce and Maple Included in Skid Trails Only
05	Red Pine	20	10	Red Pine	No, **are not included**
10, 11	Red Pine *	20	10	Red Pine	Yes, **are included** *Minor amounts of Spruce and Maple Included in Skid Trails Only

Tree Designation Table 2
WO-CT2.351# - DESIGNATION BY SPACING. (4/04)

(A) Payment Unit(s)	(B) Designated Species for Cutting	(F) Distance From Another Tree with greater than or equal to 6 inches Stump Diameter (Feet)	(G) Species with greater than or equal to 6 inches Stump Diameter	(H) Skid Trails Needed/Volume Included? (Yes/No)
06, 09, 14	Balsam Fir Red Pine Spruce	10	Aspen Balsam Fir Maple Paper Birch Red Pine Spruce	No, **are not included**

SAMPLE

CT2.352# - DESIGNATION BY SPECIES AND DIAMETER *(09/2004)*

Trees that meet Utilization Standards are designated for cutting, as shown on the Tree Designation Table and Contract 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 **yellow** paint.

All **undesignated species** shall be left as leave trees, unless Marked with **yellow** 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 not (unless listed in the tree designation table)** Included Timber under AT2.

SAMPLE

Tree Designation Table

WO-CT2.352# Designation by Species and Diameter			
PAYMENT UNIT(S)	DESIGNATED SPECIES	MORE THAN STUMP DIAMETER (INCHES)	LESS THAN STUMP DIAMETER (INCHES)
2, 8	ASPEN	6 inches	NA
	BALSAM FIR	6 inches	NA
	PAPER BIRCH	6 inches	NA
	RED MAPLE	6 inches	NA
4	ASPEN	6 inches	NA
	BALSAM FIR	6 inches	NA
	JACK PINE	6 inches	NA
	PAPER BIRCH	6 inches	NA
	RED MAPLE	6 inches	NA
	RED PINE	6 inches	NA
	SPRUCE	6 inches	NA
7	ASPEN	6 inches	NA
	BALSAM FIR	6 inches	NA
	PAPER BIRCH	6 inches	NA
	SPRUCE	6 inches	NA

SAMPLE

CT2.355# - INDIVIDUAL TREES, CUT TREE MARKING *(06/2009)*

Individual trees to be cut are Marked with indicated color above and below stump height in all or parts of the following Payment Units. Areas of Cut Tree Marking are shown on the Contract Area Map with the symbol "CTM."

PAYMENT UNIT(S)	**PAINT COLOR**
13	*Yellow*

SAMPLE

CT4.4 - PAYMENTS NOT RECEIVED *(08/2012)*

(a) Payments are due and payable on the date of issue indicated on the bill for collection. When a payment for timber cut and other charges is not received at the location designated by Forest Service by the date specified in the bill for collection for receipt of payment, Contracting Officer will suspend all or any part of Contractor's Operations until payment or acceptable payment guarantee is received. Other charges include, but are not limited to:

(i) Slash disposal and road maintenance deposits;
(ii) Cooperative work at rates established by specific agreement under BT4.218;
(iii) Damages pursuant to BT9.4;
(iv) Road use fees;
(v) Restoration of downpayment pursuant to BT4.22;
(vi) Periodic payments pursuant to BT4.213;
(vii) Extension Deposits pursuant to BT4.217; and
(viii) Other mandatory deposits.

(b) Failure to pay amounts due by the date specified in the bill for collection for receipt of payment shall be considered a breach under BT9.3. The 30-day notice period prescribed therein shall begin to run as of the end of business on the date specified for receipt of payments. If the performance or payment is guaranteed by surety bond, the surety will receive a copy of the written notification of breach. Demand will be made on the surety or other institution providing the guarantee or bond instrument for immediate payment 10 days after issuance of written notification of the breach.

(c) Pursuant to the Debt Collection Improvement Act of 1996, as amended, if payment is not received by Forest Service within 15 days after the date of issue indicated on the bill for collection:

(i) Simple interest shall be assessed at the Current Value of Funds Rate as established by the Secretary of the Treasury. Interest will begin to accrue as of the date of issue indicated on the initial bill for collection.

(ii) Debtors will be assessed administrative charges, in addition to the delinquent amount due. Administrative charges are those additional costs incurred by the Government in processing, handling, and collecting delinquent debts.

(iii) A penalty charge of six (6) percent per annum will be assessed on any portion of a debt delinquent more than 90 days. This penalty charge is in addition to interest and administrative charges under paragraphs (c)(i) and (c)(ii). The penalty charge shall accrue from the date of issue indicated on the bill for collection and shall be assessed on all outstanding amounts, including interest and administrative costs assessed under paragraphs (c)(i) and (c)(ii).

(iv) Payments will be credited on the date received by the Federal Depository or Collection Officer designated on the bill for collection.

(d) Forest Service remedies for Contractor's failure to make payment for timber cut and other charges when due, except for accrual of interest, suspension of all or any part of Contractor's Operations, and administrative offset, shall be stayed for so long as:

(i) A bona fide dispute exists as to Contractor's obligation to make such payment and
(ii) Contractor files and prosecutes a timely Claim.

CT5.31# - 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.

SAMPLE

ROAD MAINTENANCE REQUIREMENTS
FS-2400-13T Contract (10/19)
CT5.31# T-Specifications

SECTION 3. ROAD MAINTENANCE REQUIREMENTS SCHEDULE

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications									
	From	To		T8420	T8360	T8130	T8340	T8620					
268 E	0.0	1.21	1.21	C									
268 F	0.0	0.10	0.10	C	C	C							
268 G	0.0	0.15	0.15	C	C								
268 M	0.0	0.61	0.61	C	C	C	C	C					

C = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications									
	From	To		T8360	T8030								
529 C	0.0	1.0	1.0	C	C								
268 E	0.0	1.3	1.3		C								
268 F	0.0	0.15	0.15	C									
268 G	0.0	0.10	0.10	C									
268M	0.0	0.61	0.61	C									

C = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications									
	From	To		T8360	T8620								
529 C	0.0	1.0	1.0	C									
268 E	0.0	1.3	1.3	C	C								
268 F	0.0	0.15	0.15	C									
268 G	0.0	0.10	0.10	C	C								
268M	0.0	0.61	0.61	C	C								

C = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

SAMPLE

ROAD MAINTENANCE REQUIREMENTS
FS-2400-13T Contract (10/19)
CT5.31# T-Specifications

SECTION 1. GENERAL

Contractor's main Road Maintenance responsibility begins: (1) after Contractor performs Prehaul Maintenance on a road listed in the Road Maintenance Requirements Schedule; or (2) for all other roads, when Contractor begins to use the road. Occasional travel by Contractor'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. Contractor 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 Contractor shall maintain roads, commensurate with the Contractor's use, in accordance with the Road Maintenance Requirements Summary and Road Maintenance Specifications. Performance of road maintenance work by the Contractor may be required prior to, during, or after each period of use. The timing of work accomplishment shall be based on the Contractor's operating schedule under Standard Provision BT6.31.

If the Contractor elects to use different roads than those listed in the Road Maintenance Requirements Summary, the Contracting Officer (CO) or designee shall determine the Contractor'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 Integrated Resource 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.

SAMPLE

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 Contract 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.

SAMPLE

ROAD MAINTENANCE REQUIREMENTS
FS-2400-13T Contract (10/19)
CT5.31# T-Specifications

SECTION 4. ROAD MAINTENANCE SPECIFICATIONS

INCLUDED SPECIFICATIONS

Specification No.	Specification Title
T-8030	Snow Removal
T-8130	Spot Surface Course Placement/Replenishment
T-8340	Drainage Structure Maintenance
T-8360	Composite High Clearance Road Maintenance
T-8420	Cutting Roadway Vegetation
T-8620	Miscellaneous Maintenance

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 Contractor 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 Contractor'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 Contractor when approved by the FSR in writing. Such approval will include ice control materials, application rates, and any specific requirements of use.

SAMPLE

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-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	Finished Compacted Thickness Specified	Total Quantity (Tons or cu.yds.)	Compaction Method
268 F	Pit Run Gravel	N/A	50 yards	Dozer
268 M	Pit Run Gravel	N/A	200 yards	Dozer

3.3 Variations. The Contractor 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 Integrated Resource Account in accordance with BT8.31.

SAMPLE

ROAD MAINTENANCE REQUIREMENTS
FS-2400-13T Contract (10/19)
CT5.31# T-Specifications

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
268 M	As indicated by FSR	Install/Remove	Culvert	12-18”x24’	1(temporary)

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 Contractor 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.

SAMPLE

ROAD MAINTENANCE REQUIREMENTS
FS-2400-13T Contract (10/19)
CT5.31# T-Specifications

T-8360 Composite High Clearance Road Maintenance

DESCRIPTION

1.1 This work consists of making limited use roads passable for project use by Contractor and providing drainage from the traveled way and roadbed.

MATERIALS

2.1 Required materials are listed in subsection 3.2.

REQUIREMENTS

3.1 Traveled Way

A. Contractor may smooth or fill existing cross ditches and waterbars and, by agreement, modify existing road junction to enable vehicle access. Prior to beginning haul and resumption of haul after an extended stoppage:

1. Remove brush, fallen trees, rocks, and other debris from traveled way, including turnouts, turnarounds, and other locations that interfere with needed maintenance. No object extending over 4 inches above the road surface shall remain within the 12 feet usable traveled way.
2. Center the usable width of the roadbed or position away from the fill slope.
3. Cut and remove standing or down trees, logs, brush, and limbs from within the 12 feet usable traveled way. Remove encroaching limbs to a height of 14 feet above the traveled way surface. Scatter material not meeting utilization standards outside and below the roadbed on the fill side. Limb and remove designated timber which meets utilization standards or deck at agreed locations.
4. Place all removed material away from drainages and in locations previously agreed to in writing by the FSR.
5. During use, maintain drainage structures including dips, ditches and culverts in a usable condition and surface in a flat, Insloped or Outsloped, or Crowned usable condition.

3.2 Drainage Facilities. Clean and recondition drainage facilities in accordance with T-8310 Ditch Cleaning and T-8340 Drainage Structure Maintenance.

Road Number	Location/length	Remove/Install	Type of Work/Drainage Structure	Size	Quantity
N/A					
N/A					
N/A					

3.3 Slough and Slides

1. Slough and Slides may be left in place provided surface drainage is adequately provided and at least 12 feet of width is available for vehicle passage.
2. Contractor may reposition or ramp over Slides and Slough when the Traveled Way is less than 12 feet providing the material is capable of supporting vehicles. Limit Outslope to no more than six percent.
3. Reposition Slough or Slide materials, which are not capable of supporting a vehicle, on the roadbed to provide the 12 feet width. When directed by Forest Service, Slough or Slide material will be removed under Section T-8320 Slide, Slump, and Erosion Repair.

3.4 Slumps, Eroded areas, and Washouts

SAMPLE

1. Drain the roadbed immediately upgrade of Slumps and longitudinal cracks to prevent water from entering Slump area.
2. Slumps and longitudinal cracks at the edge of the roadbed shall not be considered a part of the usable width. Usable width may be reduced to ten feet in the area of the Slump.
3. Unless Forest Service agrees to material being placed on Slumps, ramp the Slumps on both ends into undisturbed roadbed to provide at least ten feet usable width. Use removed materials to guide vehicles to the ramp location or to aid in draining the area.
4. Eroded areas/washouts may be filled with suitable material and compacted by operating equipment over the fill area.

3.5 Posthaul

A. At the end of hauling or prior to entering into seasonal shutdowns or a period of extended inactivity:

1. Shape the traveled way and disturbed roadbed to provide functional drainage.
2. Reinstall removed cross ditches and waterbars and provide any additional drainage structures necessary to offset changes caused through use and maintenance.
3. Leave roads useable for high clearance vehicles. Remove or reshape Contractor modifications at road junctions to leave the entrance as it was before use, or as agreed at the time of improvement.
4. Close all roads which were closed previously, using prior existing methodology.

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

2.1 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 _8_ 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.

SAMPLE

ROAD MAINTENANCE REQUIREMENTS
FS-2400-13T Contract (10/19)
CT5.31# T-Specifications

T-8620 Miscellaneous Maintenance

DESCRIPTION

1.1 Maintenance of miscellaneous structures includes cattle guards, gates (this includes all types of closure devices such as logs, rocks, dirt berms, dirt and slash berms, metal gates, etc), signs, and other similar structures that have been previously installed to insure safe and efficient operation of the road.

MATERIALS

2.1 Any Materials needed in the maintenance of miscellaneous structures shall be similar in type and quality to the Material in the structure being maintained.

REQUIREMENTS

3.1 Cattle guards. Loose rails shall be welded or bolted back in place.
Excess Material carried into the cattle guard shall be removed when drainage is blocked or when it reaches six inches from the bottom of the cattle guard frame. Drainage into and from the cattle guard shall be kept open.

3.2 Gates (and other closure devices). Gates shall be kept in good repair and made to swing easily. Hinges or latches shall be repaired if not operating properly. Brush and debris shall be removed from within the swinging radius. Weathered berms or wood piles shall be reconstructed to a height which discourages use and blocks the road.

3.3 Signs. Any signs needing repair or replacement shall be installed per sign placement detail or MUTCD direction. All roads shall have legible sign numbers. ML 3-5 roads shall have horizontal numbering and ML 1-2 roads shall have vertical numbers. The material used shall be as directed by the Forest Service Representative. All new signs must meet retro reflectivity requirements.

Road Number	Road Name	Location	Remove/Install	Type of Item	Size	Quantity
268 E	N/A	As Indicated by FSR	Install	Earthen Berm	N/A	1
268 M	N/A	As Indicated by FSR	Remove/Install	Earthen Berm	N/A	1
268G	N/A	As Indicated by FSR	Install	Earthen Berm	N/A	1

SAMPLE

CT5.33# - 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 segements 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 cleated vehicles shall not be used for snow removal without prior written approval of Forest Service Representative.

CT6.314# - 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 2,4,7,8 and 13 are restricted to frozen ground conditions(generally December 1 through March 15), and operations in Payment Units 3, 5, 6, 9, 10, 11 and 14 are restricted to the period of June 15th to March 15th.
Prohibited operations/activities:
N/A

CT6.62# - SITE SPECIFIC WETLANDS PROTECTION MEASURES *(09/2004)*

Measures needed to protect wetlands identified on the Sale Area Map or on the ground include:

Trees felled into Wetland Protection areas shall be removed by endlining and any slash generated by the purchaser's operations shall be removed as directed by the Forest Service.

CT6.63# - TEMPORARY ROAD CLOSURE *(06/2009)*

In addition to standard provision BT6.63, measures to effectively block temporary roads to normal vehicular traffic shall consist of the following:

Generally starting about 50 feet in from the intersection of the temporary road and system road, obliterate the seen distance of the temporary road, or 200 feet, whichever distance is greater. 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 road being obliterated.

SAMPLE

CT6.7# - 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 CT6.6#.

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:

All slash resulting from construction clearing (such as from landings, temporary roads) shall be lopped and scattered to lie within 3 feet of the ground. All root wads shall be severed from the stem and righted on the ground or otherwise disposed of as directed by the Forest Service, concurrent with operations.

SDZ (1) Within all Payment Units except as specified elsewhere in this contract, all slash generated by the Purchasers operations shall be evenly distributed throughout the Payment Unit to lie within 3 feet of the ground and away from the base of residual trees concurrent with operations.

Logging slash and stumps used in the construction of road closure berms are excluded from these Slash Disposal Measure.

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

CT6.9# - STEWARDSHIP PROJECTS *(09/2004)*

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

Stewardship Projects

SAMPLE

CT6.9# – STEWARDSHIP PROJECTS. (9/04) Performance of stewardship projects shall be in accordance with the following specifications.

MANDATORY PROJECTS:

Project Number SP1 – Pre-Haul Actvities - FR529C (UOM = Miles; Total Quantity = 1.0 miles)

Road Maintenance Grading

DESCRIPTION
Maintenance 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; blending approach road intersections; and cleaning drainage dips and lead-off ditches.

LOCATION
FR 529C from MP 0 to MP 1.0 as shown on Contract Area Map.

EQUIPMENT
The equipment required to shape, spread, and compact surfacing is a motor grader.

REQUIREMENTS
Maintenance Grading shall be performed to facilitate traffic and proper drainage before Contractor's use.

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.

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.

Roadway back slopes shall not be undercut.

Drainage dips and lead-off ditches shall be cleaned and maintained to retain the existing line, grade, and cross-section.

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

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.

Material resulting from this activity, plus any accumulated debris, shall not remain on or in roadway structures, such as culverts, ditches, and drainage dips.

SAMPLE

Spot Fill

DESCRIPTION
Spot filling includes hauling, spreading and shaping materials in accordance with the requirements.

MATERIALS
Pit run gravel. Material source located in T59N R19W Section 29 accessed off of FR 529C. This source is located adjacent to SP1 within the Contract Area. Alternate material source may be used upon written agreements between Contractor and Forest Service.

Haul and spread Material at locations designated on the ground by the Forest Service. Compact the aggregate by operating spreading and hauling equipment over the full width of each layer of the aggregate.

Road Number	Type Material	Quantity	Location
529C	**Pit run gravel**	**250 CY**	**MP 0-1.0 at locations designated by FS. See location of FR529C on Contract Area Map**

SAMPLE

CT7.2 - FIRE PRECAUTIONS *(06/2009)*

Unless otherwise agreed in writing between the Contractor and the Contracting Officer, the following are specific precautionary measures applicable during Contractor's Operations in Fire Precautionary Period as indicated in AT12:

1. Contractor shall maintain Forest Service-approved spark arresting devices on any piece of equipment operated by an internal combustion motor. In addition, each piece of motorized equipment shall be equipped with a serviceable round-pointed shovel and an operational fire extinguisher of at least five-pound rating suitable for the equipment being used. All chainsaw operators will have a serviceable round-pointed shovel and one-pound multipurpose fire extinguisher readily available.

2. Contractor shall require that smoking and the building of lunch or warming fires by Contractor's employees, contractors, or subcontractors be confined to designated safe places where flammable debris has been cleared away and where, at the option of the Contractor, smoking or the building of lunch or warming fires may be permitted.

3. Adequate spark arresters shall be maintained on chimneys or stovepipes where wood or coal is being burned in an enclosed device.

4. Contractor shall furnish serviceable firefighting tools. Location, numbers, and types of tools shall be specified in the Fire Prevention and Control Plan in accordance with BT7.1.

SAMPLE

CT8.21 - CONTRACT TERM ADJUSTMENT *(07/2016)*

"Contract Term Adjustment" (CTA) means adjustment only as provided for in the three circumstances described in this subsection. Under these circumstances, the contract term shall be adjusted in writing to include additional calendar days in one or more normal operating seasons equal to the actual time lost, except as limited by paragraph (2) in this subsection.

To qualify for such adjustment, contractor shall give written notice of the lost time not later than 30 days after the end of the normal operating season in which time was lost and at least 10 days before termination date. Contracting officer shall make prompt written acknowledgment of such notice, indicating concurrence with the number of days in the notice or the number of days the Forest Service considers as qualifying for the adjustment. Lost parts of days shall be disregarded in computing time lost. The three circumstances qualifying for a CTA are:

(1) Contractor experiences delay in starting operations scheduled under BT6.31 or interruptions in active operations, either of which stops such operations for 10 or more consecutive days during a normal operating season due to causes beyond the contractor's control, including, but not limited to, acts of God, acts of the public enemy, acts of the Government, labor disputes, fires, insurrections, or floods. Operations subject to these causes include:

(i) Removal of the included timber from contract area through curtailment in felling and bucking, yarding, skidding, loading, hauling, or road construction; or

(ii) Performance of stewardship projects shown in AT4c.

(2) Causes described in paragraph (1) substantially affect the disposition or processing of included timber during the normal operating season through their effects on primary timber processing facilities, with a resulting delay of 60 days or more in use of such facilities. In such event, the CTA shall not extend for more than 12 consecutive months.

(3) (i) Contracting officer requests the contractor, in writing, to delay or interrupt operations during the normal operating season for any purpose other than suspension under BT4.4 or BT9.3; or

(ii) Contractor suffers a delay or interruption of the contractor's operations described in paragraph (1)(i) or (ii) because of a fire emergency closure ordered by Forest Service (or another agency on its behalf), and the total of such lost time is 10 or more days during any normal operating season.

If the termination date is adjusted, as described in this subsection, and later extended under BT8.23, the appraisal for the extension shall be made as of the unadjusted termination date, but the date on which the new rates become effective, if higher than current contract rates immediately prior to the termination date, shall be the adjusted termination date.

SAMPLE

CT8.212 - MARKET-RELATED CONTRACT TERM ADDITION *(11/2008)*

The term of this contract may be adjusted when a drastic reduction in wood product prices has occurred in accordance with 36 CFR 223.52. The Producer Price Index used to determine when a drastic reduction in price has occurred is stated in AT20. Contractor will be notified whenever the Chief determines that a drastic reduction in wood product prices has occurred. If the drastic reduction criteria specified in 36 CFR 223.52 are met for 2 consecutive calendar quarters, after contract award date, Contracting Officer will add 1 year to the contract term, upon Contractor's written request. For each additional consecutive quarter such a drastic reduction occurs, Contracting Officer will, upon written request, add an additional 3 months to the term during Normal Operating Season, except that no single 3-month addition shall extend the term of the contract by more than one year. Contracting Officer must receive Contractor's written request for a market-related contract term addition before the expiration of this contract.

No more than 3 years shall be added to a contract's term by market-related contract term addition unless the following conditions are met:

(i) The contract was awarded after December 31, 2006; and

(ii) A drastic reduction in wood product prices occurred in at least ten of twelve consecutive quarters during the contract term, but not including the quarter in which the contract was awarded.

For each qualifying quarter meeting the criteria in paragraphs (i) and (ii) of this provision, the Forest Service will, upon the Contractor's written request, add an additional 3 months during the normal operating season to the contract, except no single 3-month addition shall extend the term of a contract by more than 1 year.

In no event shall a revised contract term exceed 10 years as a result of market-related contract term addition.

Additional contract time may not be granted for those portions of the contract that have a required completion date or for those portions of the contract where Contracting Officer determines that the timber is in need of urgent removal or that timber deterioration or resource damage may result from delay.

SAMPLE

CT8.64 - DEBARMENT AND SUSPENSION CERTIFICATION *(03/2018)*

Pursuant to 2 CFR 180 and 2 CFR 417, Contractor shall certify and obtain certifications from its Subcontractors regarding debarment, suspension, ineligibility, and voluntary exclusion, including additional Subcontractors obtained after award of this contract. 'Subcontractors' are participants in lower tier covered transactions.

Contractor may rely upon a certification of a prospective Subcontractor that it is not proposed for debarment under 48 CFR 9.4, debarred, suspended, ineligible, or voluntarily excluded from participating in covered transactions or contracts, unless Contractor knows that the certification is erroneous.

Contractor shall keep the certifications of its Subcontractors on file until contract Termination Date and any extensions thereof, and will provide a copy at the written request of Contracting Officer. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this Subsection. The knowledge and information of Contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

If Contractor knowingly enters into a contract transaction with a person who is proposed for debarment under 48 CFR 9.4, suspended, debarred, ineligible, or voluntarily excluded from participation in covered transactions or contracts, in addition to other remedies available to the Government, Forest Service may pursue available remedies, including suspension and/or debarment.

Contracting Officer shall provide a copy of Forms AD-1047, Certification Regarding Debarment, Suspension and Other Responsibility Matters-Primary Covered Transactions, and AD-1048, Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions to the Contractor.

Contractor shall complete form AD-1047 and provide to the Contracting Officer upon request.

Contractor shall require each Subcontractor to complete form AD-1048 and provide to the Contracting Officer upon request.

SAMPLE