

CT2.2 - UTILIZATION AND REMOVAL OF INCLUDED TIMBER (09/2002)

BT2.2(b) notwithstanding, bucking lengths shall be varied to ensure that the maximum sawlog piece that may be left is 2 feet and that the maximum small roundwood piece that may be left is 5 feet.

Where cut trees are identified by paint, the Purchaser shall leave stumps of a minimum height to avoid obliterating paint markings that indicate individual trees to be cut.

CT2.301 - DESIGNATED TIMBER ON OIL OR GAS LEASES (08/2001)

In the event it becomes necessary, subsequent to award of the sale, to cut the timber on oil or gas well sites that are within the Marked Sale Area, the area and volume of the Marked timber on the well sites will be deleted from the Timber Sale Contract. In such event, the Purchaser will have the option to purchase said timber and any other timber within the well sites at Current Contract Rates on the condition that the Purchaser agrees to cut and remove said timber in time to meet the clearing requirements for the well sites.

CT2.302# - PAYMENT UNIT BOUNDARIES (09/2004)

The boundaries of Payment Units are designated as shown in the following table. The trees used for boundary designation are not to be cut.

See Table CT2.302# - Payment Unit Boundaries, Payment Unit Boundary Designation Table

CT.2.302# - PAYMENT UNIT BOUNDARIES

Payment Unit Boundary Designation Table

Payment Unit	Boundary Color	Boundary Designation
1 – 16	Orange	Boundary line trees are marked at eye level with 3 orange horizontal slash marks facing into the unit and a spot at ground level. Recognizable features such roads or streams may be designated as the unit boundary in the absence of a marked line. Yellow boundary posters with the sale name and payment unit are stapled to boundary trees and face outward at locations where the Payment Unit intersects roads or other features.

CT2.355# - INDIVIDUAL TREES (08/2004)

BT2.35 notwithstanding, the following individual trees are Marked with paint above and below stump height:

Cut Tree Marking. Individual trees to be cut are Marked in all or parts of the following Payment Units. Areas of cut tree marking are shown on the Sale Area Map with the symbol CTM.

See Table CT2.355# - Individual Trees, Cut Tree Marking

Leave Tree Marking. Individual trees to be left uncut are Marked in all or parts of the following Payment Units. Unmarked trees meeting Utilization Standards in AT2 shall be cut. Areas of leave tree marking are shown on the Sale Area Map with the symbol LTM.

See Table CT2.355# - Individual Trees, Leave Tree Marking

CT.2.355# - INDIVIDUAL TREES.

Cut Tree Marking. Individual trees to be cut are Marked in all or parts of the following Payment Units. Areas of cut tree marking are shown on the Sale Area Map with the symbol CTM.

Payment Unit	Paint Color
1	Blue
2	Blue
3	Blue
7	Blue
8	Blue
10	Yellow
11	Blue
13	Blue
16	Blue

Leave Tree Marking. Individual trees to be left are Marked in all or parts of the following Payment Units. Areas of leave tree marking are shown on the Sale Area Map with the symbol LTM.

Payment Unit	Paint Color
4	Orange
5	Orange
6	Orange
9	Orange
12	Orange
14	Orange
15	Orange

CT4.211 - DOWNPAYMENT (06/2007)

The downpayment amount shown in AT15 may not be applied toward any other payment required under the provisions of this contract, except damages determined pursuant to BT9.4, transferred to other timber sales, or refunded until (a) stumpage value representing 25 percent of the total bid value of the timber sale is shown on Timber Sale Account to have been cut, removed, and paid for, or (b) the estimated value remaining to be cut and removed, as shown on Timber Sale Account, is equal to or less than the amount of the downpayment, or (c) if 36 CFR 223.49(e) is applicable, the estimated value remaining to be cut and removed, as shown on Timber Sale Account, is equal to or less than the amount of the downpayment. For lump sum timber sales, the downpayment may be applied to payment for release of the single payment unit.

If Forest Service makes a determination that this contract should not have been included under increased downpayment requirements (36 CFR 223.49(e)), the downpayment shall be revised and applied in accordance with 36 CFR 223.49(f).

CT4.212 - TEMPORARY REDUCTION OF DOWNPAYMENT (08/2009)

Notwithstanding BT4.211 or CT4.211, upon the Purchaser's written request Forest Service may temporarily reduce the downpayment when Purchaser's scheduled operations are delayed or interrupted for 30 or more consecutive days, or the contract term is extended for 30 or more consecutive days for any of the following reasons:

- (1) Forest Service requests or orders Purchaser to delay or interrupt scheduled operations for reasons other than breach;
- (2) Purchaser interrupts or delays scheduled operations to work on a sale designated by the Forest Service as in urgent need of harvesting; or
- (3) An adjustment of the contract term authorized upon a determination of substantial overriding public interest, including a market-related contract term addition, or an urgent removal contract term extension under 36 CFR 223.53.

When Purchaser is not cutting or removing timber under contract during a qualifying period of delay, interruption, or extension listed above the downpayment may be reduced to \$1000 or 2 percent of the downpayment amount stated in the contract, whichever is greater. The Purchaser must restore the downpayment to the full amount stated in the contract within 15 days from receipt of the bill for collection and written notice from the Contracting Officer that the basis for temporarily reducing the downpayment no longer exists. Purchaser shall not cut or remove timber on a contract where the downpayment has been temporarily reduced until the downpayment amount stated in the contract is fully restored.

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, Contracting Officer will suspend all or any part of Purchaser'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 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 Purchaser'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 Purchaser's Operations, and administrative offset, shall be stayed for so long as:

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

CT5.123# - LIMITED USE ROADS (09/2004)

The Purchaser's use of roads listed in the following table will be governed by the conditions stated herein. The definition of damage for these roads is less restrictive than for other National Forest transportation system roads. Rutting, chuckholes, and other deterioration of the traveled way will not constitute damage under BT5.12 unless such deterioration causes, or will, under normal conditions cause:

- a. Damage to natural resources, or
- b. The loss or failure of roadway features such as drainage ditches, dips, culverts or slopes. These roads are expected to provide limited use efficiency. The Purchaser may elect to agree in writing to place surface materials to increase use efficiency provided:
 - a. Materials are supplied and placed at no additional cost to the Forest Service
 - b. Quality and gradation are equal to or better than that in place or as indicated in the table below or as otherwise agreed
 - c. Materials shall not be placed on roads being constructed by the Forest Service for the Purchaser's use until use of roads is authorized pursuant to CT5.13.

See Table CT5.123# - Limited Use Roads

CT5.123# - LIMITED USE ROADS

Limited Use Roads		
Road No.	Termini	Type of Surfacing
C069A	DES19	Native
C069E	DES25	Native
C069G	DES30	Native
C069K	PU8	Native
C069I	DES29	Native

CT5.31# - ROAD MAINTENANCE REQUIREMENTS (07/2001)

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

See Contract Road Maintenance Requirements Summary Table.

CT5.31# - ROAD MAINTENANCE REQUIREMENTS

ROADS	TERMINI		MILES	Applicable Prehaul Road Maintenance Specifications						
	From	To		1020	1030	1040	3010	3020	4020	4050
113	0+00	89+70	1.70		P	P		P		P
113-A	0+00	60+70	1.15		P	P		P		P
C069B	0+00	58+30	1.10	P		P	P		P	
C069H	0+00	23+20	0.44	P		P			P	

P = Purchaser Performance Item

ROADS	TERMINI		MILE S	Applicable During Haul Road Maintenance Specifications						
	From	To		1020	1030	1040	3010	3020	3050	4020
113	US 167	113-B	1.70		D			D		
113-A	113	PR 110	1.15		D			D		
113-B	113	PR 110	0.5	P			P			
C069A	113-A	DES 19	0.26	P			P			
C069B	110-B	113	1.10	P			P			
C069E	110-B	DES 25	0.1	P			P			
C069G	113-A	DES 30	0.13	P			P			
C069H	113	PU 14	0.44	P			P			
C069I	113	DES 29	0.1	P			P			
C069K	C069B	PU 8	0.2	P			P			

P = Purchaser Performance Item, D = Deposit to Forest Service

ROADS	TERMINI		MILES	Applicable Post Haul Road Maintenance Specifications						
	From	To		3050	4050	7070				
C069K	C069B	PU8	0.2	P	P	P				

P = Purchaser Performance Item

Activity No.	Activity Specification Title
1020	Surface Blading (Dozer)
1030	Surface Blading (Grader)
1040	Spot Surface Course Placement
3010	Drainage Structures
3020	Ditch Cleaning
3050	Waterbars
4020	Roadway Mowing and Clearing
4050	Seeding
7070	Road Closure

CT5.32# - ROAD MAINTENANCE DEPOSIT SCHEDULE (08/2012)

Other provisions herein notwithstanding, when Forest Service requests payment in lieu of Purchaser's performance of road maintenance, Purchaser 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 Purchaser's commensurate use of each road listed in the Road Maintenance Plan in CT5.31#.

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

The Required Deposits for Forest Service work in lieu of Purchaser performance are \$.24 per CCF for recurrent maintenance, and N/A per CCF for deferred maintenance.

The following table lists who Purchaser 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		

CT6.222# - PROTECTION OF SPECIAL AREAS (08/2001)

The Purchaser shall not conduct logging operations within the boundaries of the following areas: Outside of Payment Unit 4 within the inoperable area to the east, inside the Special Area. Special areas are shown on the Sale Area Map with the symbol SA.

Logging shall be permitted in the following areas only during the following specified times: Within 50' of a protected stream as shown on the Sale Area Map, logging may only be conducted when ground conditions are such that equipment will not cause excessive rutting. No landings or skid trails parallel to the stream will be allowed in this area. No cutting of trees within 5' of the streambank will be allowed unless authorized by a Forest Official.

The locations of these areas are shown on Sale Area Map and are marked on the ground by the following means: The protected streamside zone extends from the cut bank of a Protected Streamcourse for a distance of 50'; Protected Streams are shown on the Sale Area Map with the symbol

CT6.23 - PROTECTION OF LAND SURVEY MONUMENTS (09/2004)

The Forest Service shall appropriately designate on the ground all known surveying monuments, section corners and other corner accessories. Bearing trees shall be posted by the Forest Service with at least one bearing tree sign and a 6-inch red paint band around bole of tree about 6 feet above ground.

If any known monuments, corners or accessories are destroyed, obliterated, or damaged during the Purchaser's Operations, the Purchaser may make Required Deposits (16 U.S.C. 572) at rates stated in the Monument Restoration Schedule listed below. Such deposits shall be the minimum rates charged, and will be deposited in a special account. Minimum rates shall be adjusted upwards to cover actual costs incurred on all restoration projects.

The Purchaser and the Forest Service may agree in writing on actual cost for partial restoration projects. If the Purchaser destroys, obliterates or damages Land Survey Monuments or accessories other than those listed in said schedule, Forest shall establish rates commensurate with the Purchaser's liability.

Monument Restoration Deposit Schedule

Type of Monument-----	Deposit
Exterior F.S. Survey Monument-----	\$100.00/monument
Interior F.S. Survey Monument-----	\$100.00/monument
Witness Tree -----	\$75.00/witness tree
Exterior Property Lines-----	\$750.00/mile

CT6.3# - SCHEDULE FOR RELEASE OF PAYMENT UNITS (08/2001)

Unless otherwise agreed in writing, no more than 2 Payment Units may be operated at one time. Upon completion of all contract requirements in a Payment Unit, an additional Payment Unit may be released for cutting if by such release the maximum number of Payment Units specified above, which may be operated at one time, is not exceeded.

The sequence for cutting Payment Units shall be: N/A

CT6.402# - LOGGING EQUIPMENT RESTRICTIONS (09/2004)

Unless otherwise agreed in writing, Purchaser shall take the following measures to minimize breakage of logs and to protect residual trees and other National Forest resources:

Applicable Tractors used for shearing, felling/bunching, or skidding shall not exceed the overall width and shall be of the type designated below:

See Table CT6.402# - Logging Equipment Restrictions

Applicable In Payment Unit(s) All, logging shall be conducted with feller-buncher or similar mechanical shear.

N/A In Payment Unit(s) N/A the following equipment shall be prohibited: N/A

CT6.402# - LOGGING EQUIPMENT RESTRICTIONS

TYPE OF EQUIPMENT	WIDTH
RUBBER-TIRED SKIDDER	12'

CT6.5# - STREAMCOURSE PROTECTION (06/2002)

The following are required in addition to the Standard Provisions under BT6.5:

Applicable Fords may be permitted with written authorization in locations containing rock or rock-fragment bottoms or where streams can be protected with corduroy or gravel.

N/A All vehicles are prohibited within a N/A Marked boundary along either side of Streamcourses that are shown on the Sale Area Map. Vehicles will be allowed to cross Streamcourses only at locations designated by the Forest Service or as essential to construction or removal of culverts or bridges.

CT6.601# - REVEGETATION PLAN AND SPECIFICATIONS (08/2006)

Where soil has been disturbed by Purchaser's operations and vegetation is needed to minimize erosion, Purchaser shall take appropriate measures according to the following specifications or other agreed stabilization measures:

Temporary road cuts, fill slopes, and shoulders shall be seeded and fertilized within 15 days of construction during the seeding season(s).

Temporary road surfaces, landings, and skid trails shall be seeded when not to be used for a period exceeding 60 days during the seeding season(s).

Temporary road cuts, fill slopes, and other soil disturbance within 25 feet slope distance of a streamcourse shall be seeded and mulched within 3 days of the disturbance.

Exposed soil on temporary roads, skid trails and landings no longer needed for the Purchaser's operations shall be seeded and fertilized within 30 days of discontinued use during the seeding season(s). Soil tilling to cover seed may be required under dry site conditions.

Bare areas or roads with soil compaction will require harrowing, disking or ripping. Fertilizer shall be applied and mixed thoroughly with the soil prior to seeding. Due to compaction, it may be necessary to till the soil to a depth of 6 inches or more.

The seeding season(s) shall be during the inclusive listed below, unless otherwise agreed.

See CT6.601# - Revegetation Plan and Specifications, Seeding Season(s) Table

The following kinds and amounts per acre of seed and fertilizer shall be applied, unless otherwise agreed:

See CT6.601# - Revegetation Plan and Specifications, Fertilizer and Seed Table

N/A Mulch at the rate of N/A pounds per acre shall be applied. The Forest Service will identify the areas where mulch is required in addition to those specified elsewhere in this contract. Hay, straw, pine straw or shredded bark or other mulch acceptable to the Forest Service may be used as mulching material.

Applicable The Forest Service shall agree to the timing of the seeding operations.

N/A Seeding operations shall not begin without the presence of a Forest Service representative.

N/A Other revegetation specification: N/A

If the Forest Service performs such work as provided under a written cooperative agreement (16 U.S.C. 572), the Purchaser shall make the following deposit:

See CT6.601# - Revegetation Plan and Specifications, Cooperative Deposit Table

CT6.601# - REVEGETATION PLAN AND SPECIFICATIONS TABLE

Table 1

Summer (April-Sept)	Bulk rate in lbs./acre (PLS) ^{††}	Mixed rate in lbs./acre		Winter (Oct-Mar)	Bulk rate in lbs./acre (PLS) ^{††}	Mixed rate in lbs./acre
brown top millet	35-45	10		austrian winter peas [†]	30	4.5
common carpet grass	25-35	2.5		cereal rye	90-120	9
cow peas - var. Iron and Clay [†]	25-35	5		cow peas - var. Iron and Clay [†]	25-35	2.5
grain sorghum	20	3		oats	100-120	20
partridge pea	10-13	3		wheat	60-120	20
pearl millet	25-30	5		white clover (osceola or durana) [†]	3-5	2

Table 2

<i>Critical Erosion Areas (areas of concern due to slope)</i>		
Summer/Winter	Bulk rate in lbs./acre (PLS) ^{††}	Mixed rate in lbs./acre
Bahiagrass	15	3
Bermudagrass	5	1
brown top millet	35-45	15
common carpet grass	25-35	2.5
ryegrass (annual)	20-30	10
white clover (osceola or durana) [†]	3-5	2

† Inoculate all legumes and clovers (except for Partridge Pea)

†† PLS = pure live seed

For ryegrass and clovers, prefer to be top seeded and cover very lightly

Table 3 – Cooperative Deposit

\$3,061.93 Lump Sum

CT6.65 - SKID TRAILS AND FIRE LINES (08/2001)

At locations where terrain or other conditions prevent practicable construction of cross ditches and water-spreading ditches, the Forest Service may designate that ground debris consisting of root mat, humus, leaf and needle litter, or slash (as defined in CT6.7#) existing in the immediate area be placed on skid trails or fire lines. At such locations, the Purchaser shall place sufficient ground debris to slow and disperse runoff. At other locations the Forest Service and the Purchaser may agree to use ground debris, singly or in combination with other methods, to control erosion.

CT6.7# - SLASH TREATMENT (08/2004)

Slash is defined as all vegetative debris resulting from the Purchaser's operations, including limbs, tops, cull logs, bark, wood chunks, pushed-out stumps, damaged brush, and damaged residual trees. Tops from felled trees and all trees to be removed from roads, landings, or other construction clearings shall be completely felled and not left leaning or hanging in other trees. Slash associated with construction of Specified Roads is construction slash subject to treatment according to road construction specifications.

Other Ownership. The Purchaser shall conduct operations so that slash does not enter non-National Forest System lands, as shown on Sale Area Map. In event slash is deposited on other ownership, the Purchaser shall immediately remove such slash. The Contracting Officer may agree in writing to other treatment requirements if the Purchaser provides a written slash disposal agreement between the Purchaser and the landowner.

Roads and Other Clearings. Along roads available for public use the Purchaser shall immediately remove slash from traveled surfaces, shoulders, and drainage facilities. Other slash along roads available for public use and all slash along roads not available for public use shall be removed from the clearing limits within four days after adjacent skidding or yarding to each landing is complete. In areas where skidding or yarding is delayed or interrupted, slash shall be removed within ten days after being created.

Trails open to public use shall be kept free of slash. Slash within the clearing limits of powerlines, telephone lines, pipelines, and similar clearings shall be removed within ten days after adjacent skidding or yarding to each landing is substantially complete.

Slash removed from roads and other clearings shall be scattered outside the clearing limits, or otherwise disposed of as agreed. The time requirements for completion of slash removal may be changed by written agreement, except where immediate removal is required.

Other Treatment Areas. The Purchaser shall complete slash treatment in other areas as described below. The Forest Service and the Purchaser shall jointly agree to a schedule for completion of such slash treatment, which shall be included in the Purchaser's Annual Operating Schedule required under BT6.31.

Applicable At or adjacent to log landings, delimiting areas, and similar areas of slash accumulation within sale area, concentrations of slash greater than 2 feet in height and 5 feet in length, measured at greatest distances, shall be lopped and scattered to lie within 2 feet of the ground.

Slash treatments described below are required at locations shown on the Sale Area Map by the following symbols:

See Table CT6.7# - Slash Disposal, Slash Disposal Requirements Table

CT6.7 – SLASH DISPOSAL REQUIREMENTS

Map Symbol	Title	Treatment
N/A	N/A	N/A

CT6.8 - MEASURING (08/2001)

The estimated quantity of timber has been determined by tree measurement in accordance with the methods described in the Timber Cruising Handbook (FSH 2409.12), a copy of which may be examined in the Forest Supervisor's or the Ranger's Offices.

CT7.201 - TRUCK, TRACTOR AND POWER SAW MUFFLERS (08/2001)

Effective muffler systems installed by the manufacturer as standard equipment shall be maintained on exhausts of trucks, power saws and other internal combustion engines used in the Purchaser's Operations.

CT7.202# - FIRE FIGHTING EQUIPMENT (08/2001)

When the Forest Service advises the Purchaser that local fire weather conditions are becoming critical, the Purchaser shall keep with gasoline chain saws at all times long-handled shovel and take precautionary measures requested by the Forest Service. The Purchaser shall act as custodian of fire fighting equipment furnished by the Forest Service. Equipment shall be stored in sealed boxes provided for this purpose and shall be transported to locations in the immediate vicinity of current logging and milling operations on Sale Area. The Forest Service shall be reimbursed for any damage to or loss of fire fighting equipment furnished by the Forest Service, which occurs on Negligently-Caused Fires or as a result of using equipment for unauthorized purposes.

CT7.22 - EMERGENCY FIRE PRECAUTIONS (08/2001)

The Purchaser shall limit or restrict operations in accordance with the Fire Danger Rating schedule shown below. The Forest Service will determine Fire danger ratings by using the National Fire Danger Rating System.

The Forest Service shall notify the Purchaser of predicted fire danger that may limit or restrict operations. In all cases, the actual weather elements shall govern over the predicted weather elements in determining Fire Danger. Fire danger ratings are based on a severity index from A (low) to E (highest).

Fire Danger Rating:	Limitations or Restrictions on Purchaser Operations:
A to C:	Normal fire precautionary operations
C+ to D (Very High)	Forest Service may suspend any or all of Purchaser's operations.
E (Extreme)	In addition to above restrictions, internal combustion engines or other spark-producing equipment shall not be operated within any areas of the timber sale without specific written approval by the Forest Service.

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 AT17. Purchaser 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 Purchaser'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 Purchaser'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 sale 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 Purchaser'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.

CT8.23# - ADDITION OF NET GROWTH (08/2004)

In event of Contract Term Extension, net growth shall be added to all uncut designated timber, except on the partially cut Payment Units exempt from redetermined rates under BT3.1. On the partially cut Payment Units to which redetermined rates apply under BT3.1, the Forest Service shall determine the approximate percentages of area remaining uncut. These percentages shall be applied to the original estimates of timber quantity in each Payment Unit to determine the approximate quantity of designated timber remaining in each Payment Unit. The growth percentages listed herein shall be applied to these estimated remaining quantities to obtain total net growth of uncut timber in the partially cut Payment Units. For both un-entered and partially cut Payment Units, the determination of volume subject to addition of growth shall be made as of 45 days prior to the original Termination Date shown in AT12 with no adjustment for any timber subsequently Released for Cutting or cut and removed prior the effective date of Contract Term Extension. Growth shall be calculated on the basis of total number of full growing seasons from 10/07/2019 until the Termination Date, including any Contract Term Adjustment.

Applicable annual growth percents by species or species groups and products are:

See Table CT8.23# - Addition of Net Growth, Percent Growth Table

Payment for the additional growth in partially cut Payment Units for which growth is applicable shall be made prior to the effective date of Contract Term Extension.

CT8.23 Addition of Net Growth (08/2004)

Species of Species Group	Product	Annual Growth Percent
Southern Yellow Pine	Sawtimber	4%
Softwood – Other	Pulpwood	8%

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

Pursuant to 2 CFR 180 and 2 CFR 417, Purchaser 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.

Purchaser 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 timber sales, unless Purchaser knows that the certification is erroneous.

Purchaser shall keep the certifications of its Subcontractors on file until timber sale 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 Purchaser is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

If Purchaser knowingly enters into a timber sale 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 timber sales, 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 Purchaser.

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

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

CT8.71 - TRIPARTITE LAND EXCHANGE (04/1999)

Purchaser agrees that timber values for which cash payment is required under BT4.0 may be applied to any land exchange transaction authorized by law under which the owner of offered lands agrees to accept the money value of timber sold for the value of land granted to the United States.

ROAD MAINTENANCE REQUIREMENTS

FS-2400-6T Contracts (6/06)

SECTION 1. GENERAL

Purchaser's 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 or designee shall determine the Purchaser's commensurate share of road maintenance and/or revise road maintenance deposits.

Unless the Contracting Officer or designee agrees in writing otherwise, prehaul maintenance shall be completed on any portion of road prior to hauling on that portion.

The Purchaser shall attend to the following situations as they occur and concurrently with sale operations: remove slides, fallen timber and other obstructions and overhanging brush obstructing road sight distance. Excess material resulting from any maintenance activity shall not be placed at locations where it will wash into streams.

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

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.

Berm. Curb or dike constructed to prevent Roadway runoff water from discharging onto embankment slope.

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.

ROAD MAINTENANCE REQUIREMENTS

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

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 minor 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.

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.

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.

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.

Waterbar. A dip in the Roadbed which intercepts surface runoff and diverts the water off the Roadway. A Waterbar is not designed to be traversable by logging trucks.

ROAD MAINTENANCE REQUIREMENTS
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SECTION 3. ROAD MAINTENANCE REQUIREMENTS SCHEDULE

Contract Road Maintenance Requirements Summary

ROADS	TERMINI		MILES	Applicable Prehaul Road Maintenance Specifications							
	From	To		1020	1030	1040	3010	3020	4020	4050	
113	0+00	89+70	1.70		P	P		P		P	
113-A	0+00	60+70	1.15		P	P		P		P	
C069B	0+00	58+30	1.10	P		P	P		P		
C069H	0+00	23+20	0.44	P		P			P		

P = Purchaser Performance Item, D = Deposit to Forest Service

ROADS	TERMINI		MILES	Applicable During Haul Road Maintenance Specifications							
	From	To		1020	1030	1040	3010	3020	3050	4020	4050
113	US 167	113-B	1.70		D			D			
113-A	113	PR 110	1.15		D			D			
113-B	113	PR 110	0.5	P			P				
C069A	113-A	DES 19	0.26	P			P				
C069B	110-B	113	1.10	P			P				
C069E	110-B	DES 25	0.1	P			P				
C069G	113-A	DES 30	0.13	P			P				
C069H	113	PU 14	0.44	P			P				
C069I	113	DES 29	0.1	P			P				
C069K	C069B	PU 8	0.2	P			P				

P = Purchaser Performance Item, D = Deposit to Forest Service

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications							
	From	To		3050	4050	7070					
C069K	C069B	PU 8	0.2	P	P	P					

P = Purchaser Performance Item

SECTION 4. ROAD MAINTENANCE ACTIVITY SPECIFICATIONS
INCLUDED SPECIFICATIONS

Activity No.	Activity Specification Title
1020	Surface Blading (Dozer)
1030	Surface Blading (Grader)
1040	Spot Surface Course Placement
3010	Drainage Structures
3020	Ditch Cleaning
3050	Waterbars
4020	Roadway Mowing and Clearing
4050	Seeding
7070	Road Closure

ROAD MAINTENANCE REQUIREMENTS

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ACTIVITY 1020 - SURFACE BLADING (DOZER)

DESCRIPTION

1.1 Surface blading is keeping a native or 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 bridge decks, Drainage Dips, and Lead-off Ditches. This work may be accomplished using a crawler tractor with a dozer blade capable of angling.

REQUIREMENTS

3.1 Surface blading shall be performed before, during, and after Purchaser's use as often as necessary to facilitate traffic and proper drainage.

3.2 The surface blading shall preserve the existing cross-section. Ruts, chuckholes and corrugations that affect the smoothness of ride do not have to be removed unless they become excessive or interfere with proper drainage. 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 native surfaced roads, Material generated from backslope Sloughing, and ditch cleaning may be blended with the surface Material being worked. On aggregate surfaced roads this Material shall not be blended with Surface or Base Course Material unless agreed otherwise.

3.4 Roadway backslopes 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.

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

3.7 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 sidecasting unless agreed otherwise.

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

3.9 Material resulting from this activity, plus any accumulated debris, shall be removed from bridge decks and the deck drains opened.

ACTIVITY 1030 - SURFACE BLADING (GRADER)

DESCRIPTION

1.1 Surface blading is keeping a native or 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 bridge decks, Drainage Dips, and Lead-off Ditches. This work shall be completed with a motor grader.

REQUIREMENTS

3.1 Surface blading shall be performed before, during, and after Purchaser's use as often as necessary to facilitate traffic and proper drainage.

3.2 The surface blading shall preserve the existing cross-section. Surface irregularities shall be eliminated and the surface left in a free-draining state and to a smoothness needed to facilitate

ROAD MAINTENANCE REQUIREMENTS
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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 native surfaced roads, Material generated from backslope Sloughing, and ditch cleaning may be blended with the surface Material being worked. On aggregate surfaced roads this Material shall not be blended with Surface or Base Course Material unless agreed otherwise.

3.4 Roadway backslopes 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.

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

3.7 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 sidecasting unless agreed otherwise.

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

3.9 Material resulting from this activity, plus any accumulated debris, shall be removed from bridge decks and the deck drains opened.

ACTIVITY 1040 - SPOT SURFACE COURSE PLACEMENT

DESCRIPTION

1.1 Spot surface course placement includes subgrade preparation, furnishing, spreading and shaping Materials in accordance with the Requirements.

MATERIALS

2.1 Surface course Material will be in accordance with the Requirements, 3.2.

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 and spread Material at spot locations designated on the ground by the Forest Service as follows.

Road Number	Road Name	During Haul	Type Material	Quantity (C.Y./Tons)
NFSR 113			Washed Gravel	1350 Tons
NFSR 113-A			Washed Gravel	325 Tons
C069A			610 Base	575 Tons
C069H			610 Base	225 Tons

3.3 Variations. The purchaser will be required to furnish weight or volume tickets to the Forest Service for the amount of surface course material placed. When it is mutually agreed that all or

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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.

ACTIVITY 3010 - DRAINAGE STRUCTURES

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, 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 Requirements, 3.3.

REQUIREMENTS

3.1 Drainage Structures and related items shall be cleared of all foreign Material which has been 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 follows and as marked on the ground. Installation of structures shall not begin without the presence of a Forest Service representative.

Road Number	Road Name	Remove/Install	Type of Structure	Size	Quantity
C069B		Install	Dip		14
C069B		Install	Furrow	420 L.F.	

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

3.5 Culvert designated for removal shall become the property of the Purchaser.

ACTIVITY 3020 - DITCH CLEANING

DESCRIPTION

1.1 Ditch cleaning is the removal and disposal of all accumulated organic and Slough Material from Roadway ditches to provide a free-draining waterway.

REQUIREMENTS

3.1 Ditch cleaning shall be repeated during sale operations as often as necessary to facilitate proper drainage.

3.2 All Slough Material or other debris which might obstruct water flow in the Roadway ditch shall be removed. Material removed from the ditch, if suitable, may be blended into existing native road surface or Shoulder or placed in designated Berms in conjunction with Surface Blading, Activity 4020, operations.

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Material removed from ditches that is not suitable for blending into the existing surface course shall be placed on adjacent fill slopes or disposed of as agreed otherwise.

3.3 Roadway backslopes shall not be undercut.

ACTIVITY 3050 - WATERBARS

DESCRIPTION

1.1 This work consists of installing or removing Waterbars in the Roadbed.

REQUIREMENTS

3.1 Waterbars shall be installed at locations designated or staked on the ground.

All Material excavated shall be used in the installation of the Waterbar. The bar Material shall be compacted by operating heavy equipment over the length and width of the bar.

3.2 Waterbars designated on the ground shall be removed by blading the bar Material into the adjacent depression to form a smooth transition along the Traveled Way. The length and width of the fill Material shall be compacted by the equipment performing the work.

3.3 Waterbars may be required to be installed between seasons of use and then removed when haul is resumed. Waterbar installation may also be required when use of a road has been

ACTIVITY 4020 - ROADWAY MOWING AND CLEARING

DESCRIPTION

1.1 This work includes removal of brush, trees and other vegetative growth from within the Roadway limits.

REQUIREMENTS

3.1 Vegetative matter within the Roadway which impedes vehicular travel 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 along the Roadside in locations where the Traveled Way or sight distances will not be impaired.

3.2 Vegetative matter removed from the Roadway shall be uniformly placed on fill slopes unless agreed otherwise.

ACTIVITY 4050 - SEEDING

DESCRIPTION

1.1 This work includes ground preparation, furnishing and placing seed, fertilizer, limestone and mulch.

MATERIALS

2.1 Materials will be those required in the table below.

REQUIREMENTS

3.1 Place seed, fertilizer and mulch of the types, application rates and time of year as follows and as marked on the ground.

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Type and Application Rate						
Road Number	Road Name	Seed	Limestone	Fertilizer	Mulch	Time of Year
NFSR 113		P		P		*
NFSR 113-A		P		P		*

The fertilizer shall be incorporated to a minimum depth of 3” and a seedbed prepared for the area to be seeded. No limestone shall be applied. Fertilizer shall be 8-24-24 and applied at the rate of 700 pounds per acre. The seasons and application rates for seed shall meet the following schedule

Summer (April-Sept)	Bulk rate in lbs./acre (PLS) ⁺⁺	Mixed rate in lbs./acre	Winter (Oct-Mar)	Bulk rate in lbs./acre (PLS) ⁺⁺	Mixed rate in lbs./acre
brown top millet	35-45	10	austrian winter peas [†]	30	4.5
common carpet grass	25-35	2.5	cereal rye	90-120	9
cow peas - var. Iron and Clay [†]	25-35	5	cow peas - var. Iron and Clay [†]	25-35	2.5
grain sorghum	20	3	oats	100-120	20
partridge pea	10-13	3	wheat	60-120	20
pearl millet	25-30	5	white clover (osceola or durana) [†]	3-5	2

<i>Critical Erosion Areas (areas of concern due to slope)</i>		
Summer/ Winter	Bulk rate in lbs./acre (PLS) ⁺⁺	Mixed rate in lbs./acre
Bahiagrass	15	3
Bermudagrass	5	1
brown top millet	35-45	15
common carpet grass	25-35	2.5
ryegrass (annual)	20-30	10
white clover (osceola or durana) [†]	3-5	2

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†Inoculate all legumes and clovers (except for Partridge Pea)

†† PLS = pure live seed

For ryegrass and clovers, prefer to be top seeded and cover very lightly
 Drag the entire area to cover the seed and prepare a firm seed bed.

ACTIVITY 7070 - ROAD CLOSURE

DESCRIPTION

1.1 Close the roads listed below after completion of their use. Closure shall be effective and includes the installation of earth, log, timber or rock barricades at the point of closure. As required below, closure may include removal of temporary bridges and seeding. During the life of the contract, the Purchaser is authorized to temporarily close any of the roads listed below.

MATERIALS

2.1 Final and temporary barricades. Materials must be approved by the Forest Service prior to delivery and installation. Materials may be obtained from Forest Service land upon prior approval. Except as otherwise agreed, barricades, signs and other devices must be in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways."
2.2 Seeding, limestone, fertilizer and mulch requirements are included in ACTIVITY 4050 - SEEDING.

REQUIREMENTS

3.1 Final closure. Closure devices must be constructed to prevent motorized vehicular access through, over or around the device.
3.2 Temporary closure. Closure devices must be readily operable by the Forest Service and Purchaser. Devices must be removed prior to final closure unless otherwise agreed.
3.3 Perform road closure as follows.

Road Number	Road Name	Length	Applicable Requirements		
			Road Closure	Temporary Bridge Removal	Seeding
C069K			Earthen Berm		See Seeding Specs