

A.22 – List of Special Provisions in Part K

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K-C.2# - UTILIZATION AND REMOVAL OF INCLUDED PRODUCTS (4/03). Unless otherwise agreed in writing, or as specified in K-C.2.1.1# - Optional Removal of Non-sawtimber Products, Contractor is required to pay for and remove the following products described in A.2 of the contract:

Sawtimber is the boles of trees meeting Sawtimber Product specifications as listed in A.2 of the contract.

Non-sawtimber is the boles of trees meeting Non-sawtimber Product specifications as listed in A.2 of the contract, but that do not meet the minimum piece specifications for Sawtimber Products. Non-sawtimber removal is only required in Cutting Units **All Units**. Only the volume of non-sawtimber in the cutting units listed above is included in the estimated volume shown in A.2. If the Contractor and the Forest Service agree to remove non-sawtimber from cutting units other than those listed above this non-sawtimber must be measured and paid for at the rates shown in A.4.

K-C.2.1.1.# - OPTIONAL REMOVAL OF NON-SAWTIMBER PRODUCTS (01/07). Contractor shall fall all trees designated for cutting. Notwithstanding the requirements of C.2 within cutting units **3,5,6,6A**, all Non-sawtimber Products meeting utilization standards in A.2 shall either be decked at the landing or removed, at the option of the Contractor. If Contractor elects the decking option, the Non-sawtimber Products shall be limbed and decked in such a manner as to facilitate loading at a later date. Payment for this product shall be made as per K-E.2.2.5. If Contractor elects to remove this product, then payment shall be made after the product is presented for scaling.

If the Contractor requests, and the Forest Service agrees, Non-sawtimber Products may be left in the harvest area in lieu of decking at the landing.

K-C.3.0.3# - DEAD TREES (10/04). Notwithstanding the designations for cutting in other provisions of this contract, dead **ponderosa pine , western red cedar and western larch** standing trees over **12 ft** in height and **10 inch** diameter at breast height and dead **ponderosa pine, western red cedar and western larch** standing trees meeting Utilization Standards stated in A2 will be left standing in Cutting Unit(s) **ALL**.

Upon agreement by the Forest Service, dead trees may be felled when necessary for safety under the State Safety Code. Unless otherwise agreed in writing, all dead trees which are required to be left standing and are felled for safety reasons shall be left on site.

K-C.3.5.8# - INDIVIDUAL TREES (LEAVE TREE MARKING) (2/09). In Cutting Units **1** all trees (live and dead) meeting minimum merchantable tree specifications of A2 are designated for cutting except trees reserved from cutting. Trees reserved from cutting have been marked with a horizontal stripe of **Blue** paint at or above eye level, and a stump mark consisting of a horizontal stripe of **Blue** paint on the downhill side of the tree at ground level.

The boundaries of units where leave trees are marked, are marked on three (3)sides of the cutting unit boundary trees with vertical stripes of **Blue** paint extending from diameter breast height (DBH) upwards approximately three (3) feet. The middle stripe of paint faces the cutting unit and the other two face on line with the cutting unit boundary. In addition, each boundary tree has a horizontal stump mark painted on the downhill side of the tree at ground level. Trees used for boundary designation are not to be cut. All hardwood trees are not to be cut.

K-C.3.8# - SPECIES DESIGNATION (2/09). Within the following cutting units shown below, listed species are designated for cutting when they meet (a) utilization standards and (b) are smaller than the stump diameter listed below and shown on the Contract Area Map:

Unit	Designated Species	Maximum Stump Diameter – (Inches)
1A,1B,1C,6,7A	ALL Species Except: Western Whitepine 1/	NA
6A	ALL Species Except: Western Larch 1/	NA
4	ALL Species Except: Western Whitepine, Wetern Red Cedar, 1/	NA
5A,12	ALL Species Except: Western Whitepine, Ponderosa Pine 1/	NA
5	ALL Species Except: Western Whitepine, Western Larch 1/	NA
1A,1B,1C,7A,12	All Non-sawtimber Species Except: Western Whitepine, Ponderosa Pine, Western Larch	8.0
3,7,8,9,10	All Non-sawtimber 2/	8.0
4, 5, 5A, 6, 6A	All Non-sawtimber	8.0

Stump diameter will be measured at 6 inches above ground level on the uphill side of the tree. A minimum stump height of 6 inches above ground level on the uphill side shall be left in the units listed above.

In addition, any trees within the cutting unit boundary that are windthrown prior to Contractor’s logging in the immediate vicinity which meet Utilization Standards in amounts less than specified in C1.3.3 are designated for cutting.

In addition to those species listed above, trees marked with a horizontal stripe of **Blue** paint at or above eye level, and a stump mark consisting of a horizontal stripe of **Blue** paint on the downhill side of the tree at ground level are also designated for leave.

In addition to those species listed above, trees marked with a horizontal stripe of **Orange** paint at or above eye level, and a stump mark consisting of a horizontal stripe of **Orange** paint on the downhill side of the tree at ground level are also designated for cutting.

The boundaries of units are marked on three (3) sides of the cutting unit boundary trees with vertical stripes of **Blue** paint extending from diameter breast height (DBH) upwards approximately three (3) feet. The middle stripe of paint faces the cutting unit and the other two face on line with the cutting unit boundary. In addition, each boundary tree has a horizontal stump mark painted on the downhill side of the tree at ground level. Trees used for boundary designation are not to be cut.

Upon agreement with Forest Service, dead trees designated to be left standing may be felled when necessary for safety under the State Safety Code and other dead trees designated in their place.

K-E.2.1.1 - TEMPORARY REDUCTION OF DOWNPAYMENT (8/09). Notwithstanding E.2.1.1, upon the Contractor's written request Forest Service may temporarily reduce the downpayment when Contractor'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 Contractor to delay or interrupt operations for reasons other than breach;
- (2) Contractor 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 Contractor 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 Contractor 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. Contractor 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.

K-E.2.1.5 - Deposits When Payment Guaranteed (05/10). To the extent payment guarantee is provided under E.3, requirements for advance cash deposits under E.2.1.2 shall be waived for the value of Included Timber removed except for:

- (a) Base Rates,
- (b) associated charges, and
- (c) the value of Included Timber exceeding the sum of stewardship credits that have not been established under E.2.2 for mandatory stewardship projects listed in A.4.3 plus optional stewardship projects listed in A.4.3 authorized by Contracting Officer.

Charges for (a), (b) and (c) shall be waived for not more than a monthly billing period, subject to the provisions of E.4.

K-E.2.2.5 - ADVANCED PAYMENT FOR NON-SAWTIMBER (7/13). Unless agreed otherwise, prior to beginning of harvest operations in a cutting unit, Contractor must notify the Forest Service of the decision to either remove or deck Non-sawtimber Products shown in A.2, if Special Provision K-C.2.1.1# - Optional Removal of Non-sawtimber Products is included in the contract.

Unless otherwise specified in K-E.2.2.8#, if Contractor selects the option to deck these products in lieu of removal, then advance cash deposit for stumpage, plus the required slash disposal deposits for the volume of Non-sawtimber Products shown in the stewardship sale cruise report shall be billed for as a lump sum at the time that Contractor notifies the Forest Service of the decision to deck Non-sawtimber Products. All such material shown shall be reported as cut, and charged for, on the stewardship sale statement of account during the month in which the billing is paid.

K-E.2.2.8# - SLASH DISPOSAL DEPOSIT SCHEDULE (7/13). Contractor shall make a cash deposit for slash disposal activities to be performed by the Forest Service.

Upon completion of skidding activities in each cutting unit, the Contractor shall be billed for the amount(s) shown in the table below.

Cutting Unit Number	Required Deposits
1	\$29,166.73
1A	\$1,977.97
1B	\$659.32
1C	\$4,771.84
3	\$2,571.36
4	\$1,846.10
5	\$5,010.85
5A	\$4,911.95
6	\$3,848.79
6A	\$1,837.86
7	\$3,453.20
7A	\$3,304.85
8	\$840.64
9	\$2,332.35
10	\$3,519.13
12	\$11,126.06
TOTAL:	\$81,179.00

K-E.4 - PAYMENTS NOT RECEIVED (8/12). (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 Contractor's Operations until payment or acceptable payment guarantee is received. Other charges include, but are not limited to:

- (i) Slash disposal, road maintenance, and contract scaling deposits;
- (ii) Cooperative work at rates established by specific agreement under E.2.1.8;
- (iii) Damages pursuant to J.4;
- (iv) Road use fees;
- (v) Restoration of downpayment pursuant to E.2.2;
- (vi) Periodic payments pursuant to E.2.1.3;
- (vii) Extension Deposits pursuant to E.2.1.7; 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 J.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.

K-F.1.0.2# - CONSTRUCTION OF TEMPORARY ROADS (2/97)

Unless otherwise agreed in writing, temporary roads as shown on the Contract Area Map and as designated on the ground, shall be constructed and closed in accordance with the attached plans and specifications. Location has been designated by **ORANGE FLAGGING.**

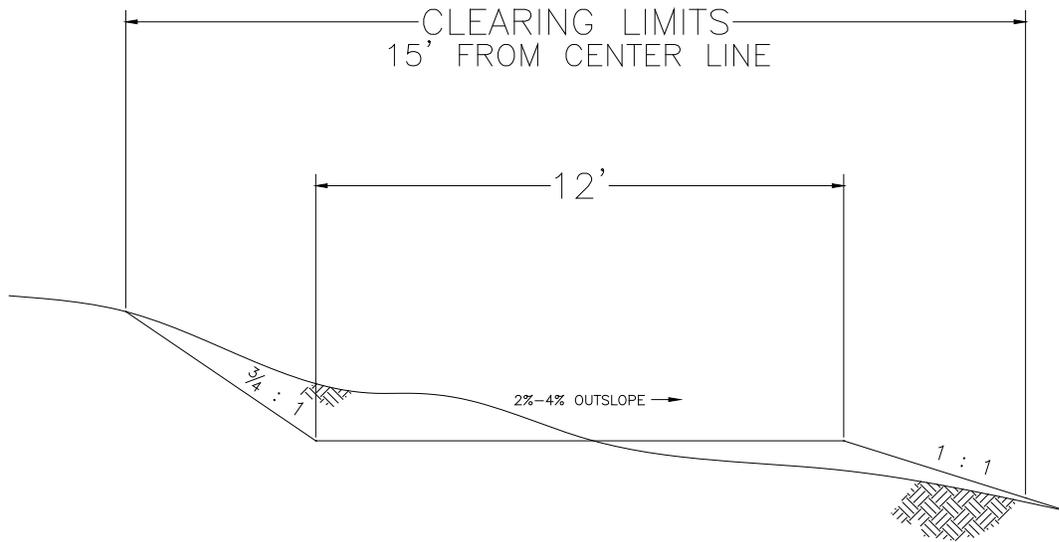
Contractor and Forest Service agree that if the Contractor elects not to build the road, or minor changes in locations or designs are mutually agreed to, there will be no adjustment in costs allowances as extra skid costs or mitigation measures would offset cost differences.

Notwithstanding C.4, timber within the clearing limits of these temporary roads have been included in the quantity estimate in A.2.

Temporary Road Specifications (Temp A,B,C,D,E,F,H)

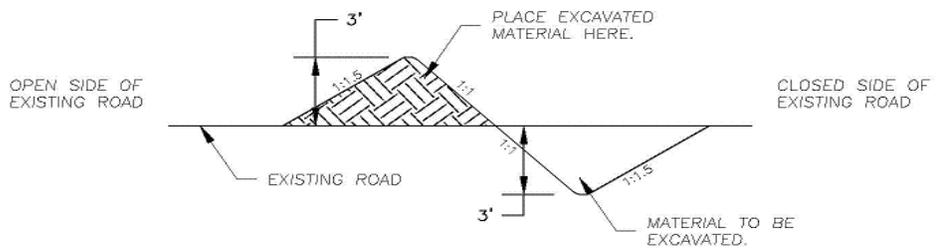
- Contractor shall construct and close temporary roads according to the following drawings and specifications.
- Contractor shall construct and close temporary road **D** according to the Driveway Approach Permit **K-F.1.1.3#.**
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- Purchaser shall dispose of construction slash as detailed in K-G.7.5.3.
- Upon completion of harvest activities Contractor shall scarify and seed road surfaces as per K-G.6.3.3# and K-G.6.0.1#.
- Purchaser shall scatter **12** to **15** tons per acre of clearing or logging slash, stumps or other woody debris shall be placed and scattered uniformly on the top of the recontoured corridor.
- An earth barrier will be placed at the junction of any temp road and FSR road.
- Upon completion of harvest activities Contractor shall close road as indicated on attached closure detail.

C5.102# TEMPORARY ROAD TYPICAL



SINGLE EARTH BARRIER DETAILS

SEED AND FERTILIZE ALL DISTURBED SOIL.



K-F.1.1.3# - USE AGREEMENT BETWEEN FOREST SERVICE AND OWNER (7/85). Contractor is authorized to Construct a temporary approach approximately 22.1 miles south of Troy, Montana (Mile Post 15.5) off of Highway 56 subject to the terms and conditions of the Montana Department of Transportation Driveway Approach Permit between Forest Service and Montana Department of Transportation. A copy of said permit is available for review in the office of the Canoe Gulch District Station in Trout Creek, Montana and the Forest Supervisor's Office in Libby, Montana.

K-F.1.2# – USE OF ROADS BY CONTRACTOR (9/04). Contractor's use of existing roads identified on Contract Area Map by the following codes is prohibited or subject to restrictive limitations, unless agreed otherwise:

<u>Code</u>	<u>Use Limitations</u>
X	Hauling prohibited
R	Hauling restricted
U	Unsuitable for hauling prior to completion of agreed reconstruction
P	Use prohibited
A	Public use restriction
W	Regulation waiver

Roads coded A will be signed by Forest Service to inform the public of use restrictions. Contractor's use of roads coded R, A, or W shall be in accordance with the following restrictions:

Restricted Road List

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
14694	Mayer Homestead	0.06	0.59	X	Hauling and vehical use prohibited
14356A	Otter Lane	0.00	0.35	X	Hauling prohibited.

K-F.1.3# – ROAD COMPLETION DATE (9/04). Construction of Specified Roads shall be completed no later than **10/15/2017** except for earlier construction completion dates for roads listed below:

Road Number	Road Name	Station		Completion Date
		From	To	
	NA			

Completion date is binding on the party that constructs road, whether Contractor or Forest Service. Contracting Officer may modify the completion date in writing to conform to the Technical Proposal under G.3.1.1 at the request of Contractor.

When Contractor elects Forest Service construction of Specified Roads shown in contract advertisement, Forest Service may adjust construction completion date when road construction is delayed or interrupted for causes that qualify for an adjustment of the completion date of Forest Service's road construction contract. When qualifying delays or interruptions of road construction occur, Forest Service shall evaluate such occurrences and document any findings. The current status of any adjustment shall be available to Contractor on request. Promptly after the end of Normal Operating Season in which qualifying days occur, Forest Service shall give Contractor written notice of (a) number of qualifying days claimed, and (b) new construction completion dates. After all road construction is complete, Forest Service shall grant Contract Term Adjustment. Such adjustment shall be limited to road completion date delays that occurred during Normal Operating Season.

If Forest Service is responsible for road construction and the actual date of road completion is 1 year or more after the completion date stated above, Contractor may request a rate redetermination under D.3 for remaining volume. Such request must be made within 30 days of notification that road construction has been completed. Upon receipt of such request, Forest Service shall redetermine rates using standard methods in effect on the completion date of road construction. Rates to be established shall apply to all timber removed from Contract Area after the effective date of the rate redetermination.

Forest Service shall in no way be responsible for any delay or damage caused by road contractor in performing the road construction, except such delay as may be the fault or negligence of Forest Service.

When Contractor constructs Specified Roads and requests Contract Term Adjustment, completion dates shall be adjusted by number of days that qualify for such adjustment, provided such qualifying days occur before specified construction completion date. When Contractor desires to construct an alternate facility under F.2.6, Forest Service and Contractor shall agree, in writing, on a construction completion date for alternate facility. Contract Term Adjustment as noted above will apply. Completion date shall be adjusted where a Design Change or physical changes necessitate a modification of Specified Road construction work that increases the scope or magnitude of the required work.

If Contractor fails to complete construction of any or all Specified Roads by applicable completion date, as adjusted, Contract Term Extension shall not be granted.

As used in this provision, construction of a road is completed when:

(a) Contractor constructs Specified Roads and Forest Service furnishes Contractor with written notice of acceptance under G.3.6 or

(b) Forest Service constructs road and furnishes Contractor with written notice authorizing use of road.

Notwithstanding F.1, Contractor shall not use a road that Contractor has elected for Forest Service to construct, until construction is completed and Forest Service furnishes Contractor with written notice authorizing use of road.

K-F.2.2.1# – MATERIAL SOURCES (9/04). Sources of local materials are designated on Plans and Contract Area Map. Forest Service assumes responsibility for the quality and quantity of material in designated sources. Contractor shall determine the equipment and work required to produce the specified product, including the selection of acceptable material that is reasonably available in the source that meets specifications. The designation of source includes the rights of Contractor to use certain area(s) for plant site, stockpiles, and haul roads.

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

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

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

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

Source I NA, Source II NA, and Source III NA.

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

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

Material	Type of Purchase	Owner(s)	Unit of Measure	Unit Price	Estimated Quantity	Total
		NA				

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

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

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

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

K-F.3.1# – ROAD MAINTENANCE REQUIREMENTS (9/04). Contractor shall maintain roads in accordance with the following Contract Road Maintenance Requirements Summary:

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable PREHAUL Road Maintenance Specifications									
	From	To		T101	T103	T108	T301	T310	T506	T507	T508	T619	T710
NA													

P = Contractor Performance Item, D = Deposit to Forest Service, F = Forest Performance Item

Road	Termini		Miles	Applicable DURING Haul Road Maintenance Specifications									
	From	To		T101	T103	T108	T301	T310	T506	T507	T508	T619	T710
14356	Private/FS	Hwy 56	.84	P	---	P	P	P	P	D	P	F	F
1118	Jct w/1118A	Hwy 56	.75	P	P	P	--	P	P	D	P	F	F
1118A	Jct w/1118	Past Unit 1C	1.55	P	---	P	---	P	P	D	P	F	F
14611	Jct w/Hwy 56	M.M .23	.23	P	---	P	---	P	P	D	P	F	F
1118	End of Road	Hwy 56	1.12	P	---	P	--	P	P	D	P	F	F

P = Contractor Performance Item, D = Deposit to Forest Service, F = Forest Performance Item

Road	Termini		Miles	Applicable POST HAUL Road Maintenance Specifications									
	From	To		T101	T103	T108	T301	T310	T506	T507	T508	T619	T710
14356	Private/FS	Hwy 56	.84	P	---	P	P	P	P	---	P	F	F
1118	Jct w/1118A	Hwy 56	.75	P	---	P	---	P	P	---	P	F	F
1118A	Jct w/1118	Past Unit 1C	1.55	P	---	P	---	P	P	---	P	F	F
14611	Jct w/Hwy 56	M.M .23	.23	P	---	P	---	P	P	---	P	F	F
1118	End of Road	Hwy 56	1.12	P	---	P	---	P	P	---	P	F	F

P = Contractor Performance Item, D = Deposit to Forest Service, F = Forest Performance Item

SPECIFICATION T-101 SURFACE BLADING

DESCRIPTION

1.1 Surface blading is keeping the native or aggregate surfaced road in a condition to facilitate traffic, minimize additional future maintenance, reduce erosion, and provide proper drainage. It includes maintaining the crown, inslope or outslope of the traveled way and shoulders, drainage dips, leadoff ditches, berms, turnouts, removal of minor slides and slumps, and other irregularities that prevent normal runoff from the road surface.

REQUIREMENTS

3.1 Surface blading shall be performed as often as necessary and to the standards required to facilitate traffic and proper drainage.

3.2 The blading shall be performed in such a manner as to preserve the existing cross section and to conserve surface materials. On gravel surfaced roads, the base must not be disturbed and no surface material may be bladed into the ditch or over the road shoulders. Blading of native surface roads shall be performed so no base material under four (4) inches in the greatest dimension is lost. All ruts, holes, etc., shall be removed by scarifying and/or cutting to the bottom of any surface irregularities. Oversize material brought to the surface in the scarification process shall be removed from the roadway. Surface material which has been displaced to the shoulders, turnouts, outside of curves, etc., shall be brought back so as to leave a uniform depth on the traveled way at completion of blading. Water shall be applied during blading if sufficient moisture is not present to prevent segregation.

3.3 Roadside cutslopes or berms shall not be undercut.

3.4 At intersections, the roadbeds of sideroads shall be graded for a reasonable distance to assure proper blending of the two riding surfaces.

3.5 Drainage dips and leadoff ditches shall be cleaned and continually maintained to conform reasonably to their original constructed lines, grade, and cross section.

3.6 Berms shall be repaired promptly by placing selected material as needed to restore the berm to its original condition.

3.7 Surface blading of native surface roads also includes ditch cleaning, which shall be done in accordance with T-301, Ditch Cleaning.

3.8 All blading operations shall be properly signed in accordance with **G.3.3#** and all applicable State Laws.

SPECIFICATION T-103 DUST ABATEMENT

DESCRIPTION

1.1 Dust abatement consists of road surface preparation and application of materials.

MATERIALS

2.1 Water, bituminous products, lignin sulfonates, chloride products, and other materials may be used for dust abatement. Materials other than water will require approval of the Forest Service and shall meet specifications furnished by the Forest Service.

REQUIREMENTS

3.1 Dust abatement materials shall be applied to the road surface as necessary to control surface loss and provide that vehicles are always intervisible within their stopping sight distance. The average user speed on the road shall be used to determine stopping sight distance. Preparation shall be in accordance with Specification T-101, Surface Blading.

3.2 The rate of application shall be such that the selected material will not run off the surface and cause pollution or unnecessary waste.

3.3 When water is the selected material, it shall be applied as often as necessary to abate dust from all Contractor operations.

a. Dust abatement shall be maintained as needed throughout the duration of operations.

SPECIFICATION T-108 SLIDE REMOVAL AND SLUMP REPAIR

DESCRIPTION

1.1 Slide removal and slump repair consists of all work necessary to restore the road to its original cross section as necessary to facilitate use and provide drainage. This work is such that it cannot be handled by a grader during surface blading and ditch cleaning operations.

Slump repair is the filling with selected material of depressions or washouts in roadway which cannot be routinely filled by a motor grader.

Slide removal and slump repair includes excavation, loading, hauling, placing, and compacting of replacement material and the removal and disposal of waste material. This includes the development of disposal or borrow areas at locations approved by the Forest Service.

REQUIREMENTS

3.1 Contractor shall deposit slide material in an approved manner at designated locations.

Material shall not be disposed of on road fills unless otherwise agreed.

The slope which contributed the slide material shall be reshaped as practicable to reduce future sliding unless otherwise agreed.

3.2 When filling slumps and depressions, select material shall be used, placed in layers, and compacted to conform with or exceed the density of existing subgrade.

Existing aggregate surfacing shall be salvaged and relayed or replaced after slumps have been filled.

Damaged aggregate base, aggregate surfacing, and asphalt surfacing shall be repaired under Specification T-113, Surfacing Repair.

3.3 Following slide removal, roadway shall be shaped so as to reasonably conform to its original subgrade template.

3.4 Slump, waste, and borrow areas shall be seeded as required under T-508.

SPECIFICATION T-301 DITCH CLEANING

DESCRIPTION

1.1 Ditch cleaning is removing and disposing of all slough material from roadside ditches to provide an unobstructed waterway conforming reasonably to previous line, grade, and cross section.

REQUIREMENTS

3.1 Slough Material.

A. Native Surfaced Roads. Slough material from ditch cleaning, if suitable, may be placed and blended into the existing road surface or shoulders or placed in a designed berm during surface blading.

B. Aggregate Surface Roads. Slough material from ditch cleaning shall not be mixed with aggregate surfacing or left on the road surface unless otherwise agreed. Material shall be disposed of in an agreed manner at designated locations.

C. Asphalt Surfaced Roads. Equipment, methods, and timing shall be agreed to before start of ditch cleaning operations so as to protect the asphalt pavement. Material shall be disposed of in an agreed manner at designated locations.

SPECIFICATION T-310 MINOR DRAINAGE STRUCTURES

DESCRIPTION

1.1 Minor drainage structures are single passages with maximum waterway opening equivalent to a 78-inch round pipe (87- by 63-inch arch) or multiple passages with maximum, single waterway opening equivalent to a 60-inch round pipe (66- by 51-inch arch). They include overside drains. Maintenance is work performed on inlets, outlets, related channels, existing riprap, trash racks, and drop inlets.

MATERIALS

2.1 All materials used in the maintenance of minor drainage structures shall conform by type and specification to the material in the structure being maintained.

REQUIREMENTS

3.1 All minor drainage structures are to be maintained in accordance with these specifications in the spring following any significant runoff and prior to the beginning of winter storms.

3.2 Clear inlet and outlet channels, inlet trash racks, and drop inlets of loose material that could cause plugging or prevent the free flow of water. Debris shall be disposed of in agreed manner at designated locations.

3.3 If outlet riprap was originally placed to dissipate water energy, it shall be maintained in good condition including the replacement of riprap if necessary.

4.1 Make whatever minor repairs are necessary to ensure the proper functioning of the head walls, aprons, inlet assemblies, overside drains, riprap, trash racks, and other facilities related to the drainage structure.

SPECIFICATION T-506 CLEARING ROADWAY VEGETATION

DESCRIPTION

1.1 This work consists of cutting and disposing of all vegetative growth including trees from the road surface that reduces the operational capability of the road. Vegetation removal is required if the growth of the vegetation during the contract period causes unacceptable reduction of sight distance and operation capability.

REQUIREMENTS

3.1 Vegetative matter on the road surface which reduces sight distance, 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 distance will not be impaired.

3.2 Low shrubs and brush which do not restrict sight distance, do not impede road maintenance, and reduce erosion need not be removed if the road surface can be adequately maintained without doing so. Vegetation and nonmerchantable timber removed shall be disposed of by scattering, chipping, hauling to designated disposal areas, or as otherwise agreed upon.

SPECIFICATION T-508 SEEDING

DESCRIPTION

1.1 Seeding is the application of seed and fertilizer to areas where vegetation has been disturbed as a result of slides, slumps, disposal of materials, and other Contractor operations in connection with road maintenance.

REQUIREMENTS

3.1 Contractor shall provide and apply the required kinds and amounts of seed and fertilizer in accordance with the requirements in G.6.0.1#.

3.2 Surfaces of areas to be treated shall be in a loose and roughened condition favorable to the retention and germination of seed.

K-F.3.1.4# - DUST ABATEMENT TREATMENT (02/02). When conditions are such that dusting would result in hazardous driving conditions or there would be an appreciable loss of road surface binder material, Contractor shall control such dusting by application of a dust abatement treatment to the surface of roadways and other traveled areas according to referenced or attached specifications or other specifications agreed to in writing. This treatment will provide a surface which can be bladed and retreated when necessary. It is not intended to produce a permanent waterproof wearing surface or dust control for more than one year, even though some residual value may be retained. It is intended to be compatible with the physical characteristics of the road surface, such as parent material, percent fines, relative humidity, or possibly some residual dust abatement material.

Dust abatement treatment shall apply only to the roads listed below. The provisions of Specification T-103 of K-F.3.1# shall apply to all other roads when required under K-F.3.1# T-103 of K-F.3.1# may be used in lieu of K-F.3.1.4# to perform dust abatement during hauling of timber cut within the clearing limits of roads constructed under this timber sale unless otherwise agreed.

Dust Abatement Specifications

Road Number	Road Name	Termini	Abatement Treatment	References or Attached
14356	Eagle View	0.0 - .84	MAG CHL	<u>C5.314#</u> <u>Attachment</u>
REFER TO APPLICATION RATE TABLE (NEXT PAGE)				

K-F.3.1.4# Attachment (02/02)

SURFACE PREPARATION

Prior to application of chlorides, the roadway shall be prepared by T-101 Surface Blading, and watered as necessary to achieve adequate penetration of the chlorides without runoff. If flakes are used, water will be added after placing the flakes to facilitate penetration of the chlorides into the roadway.

APPLICATION

(a) The Distribution Equipment shall be so designed, equipped, maintained, and operated such that the dust abatement material may be applied uniformly on variable widths of surface.

For liquid products the following requirements shall apply: (1) The spray pattern from each nozzle on the spray bar shall be uniform across the spray bar; (2) Distribution equipment shall include accurate volume measuring devices or a calibrated tank, a thermometer for measuring temperatures of tank contents, and a hose and nozzle attachment for applying material to areas inaccessible to the spray bar.

Calcium Chloride Flake shall be spread with equipment that evenly distributes the material across the required road width. The relative weight of material placed shall be easily determined during application.

- A. Application Rate. Application rates will be as follows: USER NOTE – Fill table out to reflect specified treatment in road maintenance appraisal.

Application Rate Table

Road Number	Road Name	Termini	Application Type	Abatement Treatment	Application Rate **	Width of Application (Feet)
14356	Eagle View	0.0 - .84	Initial	Mag Chl @94% Concentration	1.6 lbs/SqYd	12

** Application Rate for Calcium Chloride Brine (94% concentration) – Initial (.50 gals/Sq Yd) – Subsequent (.25 gals/ SqYd)

** Application Rate for Calcium Chloride Flakes (94% concentration) – Initial (1.6 lbs/Sq Yd) – Subsequent (.8 lbs/ SqYd)

** Application Rates for Magnesium Chloride are the same as Calcium Chloride.

The Forest Service may field test Chloride brines prior to application to make sure that the products meet the minimum concentrations specified. Acceptance of the material will be based on the concentration shown on the manufacturer's certificate, or on results of laboratory quality assurance tests done by the Forest Service on samples taken from distribution or hauling vehicles.

Uniform distribution shall be obtained at all points. For liquid products the spray pattern from each nozzle on the spray bar shall be uniform across the spray bar. For flake products, the coverage will be uniform on the road surface. Overlapping or skipping between spread sections shall be corrected. Accidental spillage and areas with excess dust palliative that are hazardous to traffic shall be covered

with additional road surfacing material. The surface of adjacent structures and trees shall be protected from spattering or marring. Dust palliative material shall be discharged only in approved areas, and shall not be allowed to flow into ditches or stream courses. All products may be placed in one application.

All spreading and hauling equipment shall comply with applicable State and Federal requirements including GVW limitations.

(c) Certification with Shipment. When each load of chloride material is delivered, the Purchaser shall furnish one copy of the Bill of Lading, and a fully executed Certificate of Compliance indicating, as a minimum, the following information: Date, Material composition by weight of MgCL and CaCl, Net weight of shipment, Net gallons at 60 degrees F, Specific Gravity of brine at 60 degrees F. A separate Certificate of Compliance will not be required if the standard Bill of Lading contains the essential information required by the certificate.

(d) Sampling. Sampling of chloride material may be required to validate certifications furnished by the Purchaser. When sampling is directed by the Forest Service, the actual samples will be taken by the Purchaser in the presence of the Forest Service representative. All delivery and distribution equipment shall be constructed to permit sampling in conformance with AASHTO T-40 test procedure. Samples shall be obtained from hauling units just prior to application of the material.

K-3.1.6 - SNOW REMOVAL. (4/13) Snow removal shall be done in a manner to preserve and protect the roads, to insure safe and efficient transportation and to prevent unacceptable damage to roads, streams, and adjacent lands.

A. Description. Snow removal work by Contractor shall include:

1. Removal of snow from entire width of road surface including turnouts.
2. Removal of snow slides, minor earth slides, fallen timber and boulders that obstruct normal road surface width including turnouts.
3. Maintenance of drainage so that the drainage system will function efficiently and prevent erosion damage.

B. Performance. Snow removal shall be kept current and performed as often as necessary to insure safe and efficient transportation. Work shall be done in accordance with the following minimum standards of performance.

1. All debris, except snow and ice, that is removed from the road surface and ditches shall be deposited away from stream channels at agreed locations.
2. During snow removal operations, banks shall not be undercut nor shall gravel or other surfacing material be bladed off the roadway surface.
3. Ditches and culverts shall be kept functional during and following road use.
4. Snow berms shall not be left on the running surface of the road. Berms left on the shoulder of road shall be removed and/or drainage holes shall be opened and maintained in them. Drainage holes shall be spaced as needed to obtain satisfactory surface drainage without discharge on erodible fills.
5. Dozers or skidders shall not be used to plow snow on system roads without written approval of Forest Service. If approved, dozers and skidders must be equipped with shoes or runners to keep the plow blade a minimum of two inches above the road surface.
6. Snow removal must be done in such a way as to protect surface water drainage structures and the road surface. Any damage from, or as a result of, Contractor's snow removal work shall be restored in a timely manner at Contractor's expense.

K-F.3.2# – ROAD MAINTENANCE DEPOSIT SCHEDULE (8/12). Other provisions herein notwithstanding, when Forest Service requests payment in lieu of Contractor's performance of road maintenance, Contractor shall make Required Deposits (16 USC 537) for current and/or deferred road maintenance. Such deposits are based on the estimated volume and distance hauled and Contractor's commensurate use of each road listed in the Road Maintenance Plan in K-F.3.1#.

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

The Required Deposits for Forest Service work in lieu of Contractor performance are \$ NA per NA for recurrent maintenance, and \$.02 per Ton for deferred maintenance.

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

Deposit Made To	Rate	Unit of Measure
NA		

K-F.4.1# - CLOSURE TO USE BY OTHERS (3/07).

A. Closure of Roads During Period of Contract. Unless otherwise agreed in writing between Contractor and Forest Service, Contractor shall within 15 days of receipt of notice from Forest Service, install closure devices listed below and close them on roads designated "To Be Closed" on Contract Area Map and listed below to effectively block access to vehicle traffic except that constituting official use. Installation of closure devices shall follow closure details attached hereto and made a part hereof.

Official vehicle traffic shall constitute that use by Contractor and his employees when engaged in contract activities. It shall also include administrative traffic by Forest Service, and other landowners for the administration of their lands. Contractor shall close road as directed by Forest Service at the completion of daily activities or maintain closure after passage of each vehicle. Forest Service will monitor and administer closure activities.

CLOSURE DEVICES					
Road Number	Location	Furnished By	Closure Method	Closure Device Installed By	In Place
	NA				

During the life of this contract, Contractor shall install temporary barricades at locations designated "Temporary activity Barricade" on Contract Area Map and shown below. Temporary barricades shall be installed so that they may be readily opened by Contractor or Forest Service for access to Contract Area in case of fire or other emergency. Official vehicle traffic shall also include administrative traffic by Forest Service and other landowners for the administration of their lands. Contractor shall provide and post approved signs as authorized by Forest Service. Installation of Temporary Activity Barricades shall follow closure details attached hereto and made a part hereof.

During the period **NA** to **NA** when Contractor's Operations are in areas otherwise closed to motorized vehicles, Contractor shall not be permitted to hunt, transport hunters, discharge firearms or transport big game animals with vehicles within the closed areas.

TEMPORARY ACTIVITY BARRICADES

Road Number	Location	Closure Method
	NA	

B. Closure of Roads at End of Contractor's Use. Unless otherwise agreed in writing between Contractor and Forest Service, upon completion of use, Contractor shall effectively close to public use of the following roads designated "To Be Closed" on Contract Area Map and listed below. Existing locking closure devices shall be closed and locked as directed by Forest Service. As an element of final road maintenance and environmental or resource protection, the designated closure shall be accomplished by using the methods required for each road as described below:

Closure Location(s)				
Road Number	Location	Closure Method	Furnished By	In Place
1118A	MP 1.07	Earth Barrier	FS	FS
1118A	MP 1.4	Stumps with Attached Roots	FS	NO

K-F.4.1.9# – SYSTEM ROAD STABILIZATION (3/07).

Roads listed below, shown on the Contract Area Map and used by Contractor shall be stabilized after they have served the Contractor's purpose, in accordance with details in the attached road logs and typical specifications.

<u>ROAD LOG</u>			
Road Number	Mile Post	Description of Work	Typical Specification Number
1118A	MP 1.07 – End of Road	Portions of road surface not previously disturbed and left in a loose condition shall be scarified to a maximum depth of four (4) unless rock is encountered at a lesser depth. Entire road surface shall be seeded and fertilized in accordance with K-G.6.0.1#.	N/A

K-G.1.0 - PREWORK CONFERENCE (10/04). Annually, prior to commencement of work, a prework conference will be held to discuss contract terms and work performance requirements. Also at this meeting such things as responsibility under OSHA, and procedures for how undesigned timber that may have to be added to the contract (including danger trees) shall be discussed and documented. The Contractor, or designated representative, will arrange for the meeting with the Contracting Officer.

K-G.2.3 - PROTECTION OF LAND SURVEY MONUMENTS (10/04). Forest Service shall appropriately designate on the ground all known survey monuments including but not limited to horizontal control stations (Triangulation Stations), vertical control stations (Bench Marks), property corner monuments, and all Public Land Survey System monuments. This shall include reference monuments, corner accessories such as bearing trees, line trees and line posts. Identifying signs shall be posted by Forest Service on two sides of each known bearing tree and each line post shall be posted with a metal sign or decal. Line trees may be cut if designated under C.3.

In authorized clearings such as Clearcutting Units and road construction clearings, and in other instances where damage to survey monuments, corners, corner accessories and survey of property line markers is unavoidable, Forest Service shall arrange protective or perpetuative action which does not cause unnecessary delay to Contractor.

Contractor shall protect all known survey monuments, witness corners, reference monuments, bearing trees and line markers against avoidable destruction, obliteration or damage during Contractor's Operations. Additional monuments or objects discovered on the area shall be promptly reported to the other party and shall also be protected. If any known monuments, corners, corner accessories, and survey or property line markers are destroyed, obliterated or damaged during Contractor's Operations, Contractor shall employ a registered professional land surveyor to reestablish or restore at the same location the monuments, corners, corner accessories or line markers. Such surveyors shall use procedures and monumentation that accords with the Bureau of Land Management Manual of Instructions for the Survey of the Public Lands of the United States for General Land Office surveys and any applicable State statutes concerned with land surveys. Contractor's agent shall record such surveys in accordance with state survey statutes.

K-G.2.4# - SITE SPECIFIC SPECIAL PROTECTION MEASURES (9/04). Special protection measures needed to protect known areas identified on Contract Area Map or on the ground include:

Cultural Resource Protection Measures: **N/A**

Wildlife and Botanical Protection Measures:

Purchaser and all sub-contractors shall comply with Kootenai National Forest Food Storage Order.

Cave Resource Protection Measures: **N/A**

K-G.3.1.6# - LIMITED OPERATING PERIOD (5/05). Except when agreed otherwise in writing, Contractor's Operations shall be limited as follows:

No **Harvest** operations or **Specified Road Reconstruction** allowed from **April 1 to June 15** for protection of Spring Bear habitat.

Road Work: Live stream operations (culverts) shall only be permitted **July 15 to August 31** due to sediment delivery to fish streams.

LOGGING AND MAINTENANCE OPERATIONS SIGNING STANDARDS

All signs must be manufactured & installed as specified in the FHWA "Manual on Uniform Traffic Control Devices" (MUTCD) & FS publication "Standards for Forest Service Signs & Posters"(EM 7100-15).

SIGN STANDARDS

SHAPE & COLOR: Generally, signs for logging and maintenance operations are either diamond-shaped or rectangular. All signs are **reflective orange background with black legend and border** unless shown otherwise. Handpainted, homemade signs are not legal. Fluorescent paint is not reflectorized.

SUBSTRATE: Sign substrate material may be High Density Overlay (HDO) Plywood, Aluminum, Fiberglass Reinforced Plastic, Corrugated Plastic or Roll-up Fabrics.

SIGN SIZE: Sign size is a factor of speed and MUTCD & FS standards. Where conditions of speed, volume, or special hazard require greater visibility or emphasis, larger signs should be used. Minimum sizes for the most common signs can be found in Figure 4. Refer to the EM-7100-15 for additional sign sizes.

LEGEND: All lettering shall be Series "C" alphabet, conforming to Standard Alphabets for Highway Signs. Letter size is also a function of speed - use letter size and word messages as specified in MUTCD and EM-7100-15.

SIGN PLACEMENT

Signs are to be installed in locations as agreed to in the traffic control plan. All signs are to be removed, covered, or folded when operations are not in progress or the sign message is not applicable. Signs should generally be located on the right-hand side of the roadway. When special emphasis is needed, signs may be placed on both the left and right sides of the road. Sign message shall be clearly visible to road users, mounted on posts or portable sign stands.

LATERAL CLEARANCE

From the edge of the road - 2 foot minimum, where slope limits to less than 6 feet. 6-12 foot preferred.

HEIGHT

Minimum of 7 feet, measured from the bottom of the sign to the near edge of the travelway. The height to the bottom of a supplemental sign mounted below the primary sign will be 6 feet.

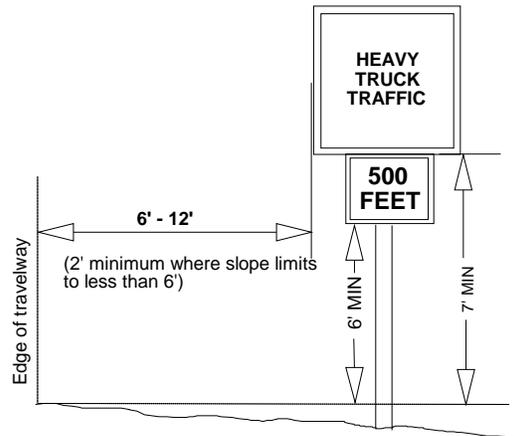


Figure 1: Sign Placement Dimensions

PLACEMENT DISTANCE

Signs must be located 100-500 feet prior to the activity, (both ends if a through road) and maintained at that distance. This distance is based on speed. Refer to Figure 2 , Table II-1, MUTCD, a portion of which is reproduced here, to determine correct placement distance.

Posted or 85 percentile speed MPH	Deceleration to listed advisory speed MPH				
	10	20	30	40	50
20	NA				
25	100				
30	150	100			
35	200	175			
40	275	250	175		
45	350	300	250		
50	425	400	325	225	
55	500	475	400	300	
60	575	550	500	400	300
65	650	625	575	500	375

Figure 2: A Portion of MUTCD TABLE II-1

SIGN SUPPORTS

POSTS: Signs are to be mounted on separate posts. Supplemental signs such as Speed Advisory plates are to be mounted on the same post as the primary sign. **Do not mount signs on trees or other signs.** Posts may be wood, metal, carsonite or

similar material. Where sign supports cannot be sufficiently offset from the road edge, supports will meet breakaway standards. Single wood posts with less than 24 square inches do not require breakaway design.

TEMPORARY/PORTABLE SUPPORTS: Portable supports may be used for short-term, short-duration, and mobile conditions. MUTCD defines this time period as one work shift, 12 hours or less. All portable supports must meet MUTCD standards, including breakaway. These must be a minimum of 1 foot above the road surface or more if visibility requires it.

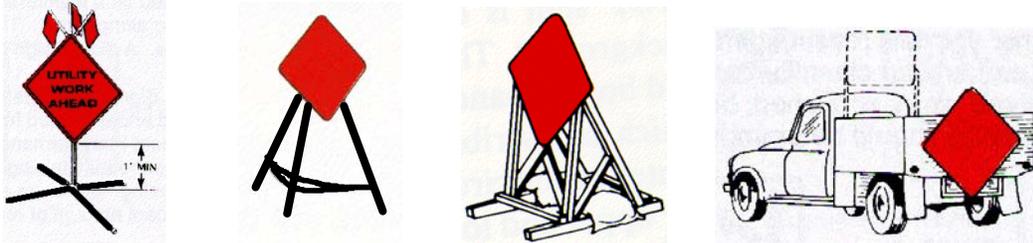
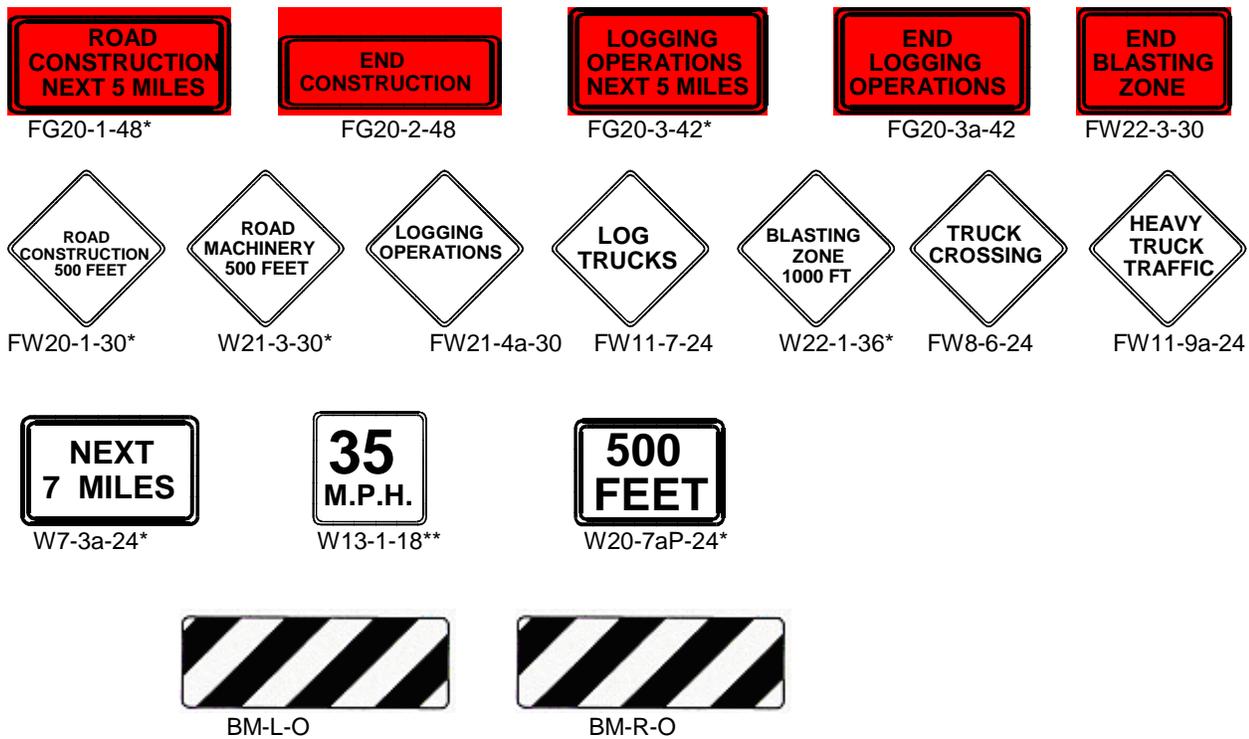


Figure 3: Examples of Temporary/Portable Supports

SIGNS

The following signs meet the intent of Timber Sale Contract Provision G.3.3, SAFETY.
This is not a complete listing of signs that may be needed.



Barricade Markers (See MUTCD for length and stripe size)

* Specify Distance
 ** Specify Speed

Figure 4: Commonly Used Construction and Maintenance Signs

K-G.3.3.2 - SAFETY (TIMBER HAULING) (10/04). Contractor shall secure all products transported by truck with at least two chain or cable wrappers over the load, such wrappers being securely fastened to effectively contain every bolt or log in at least two places.

K-G.3.3.9 - ACCIDENT AND INJURY NOTIFICATION (4/05). Contractor shall notify Forest Service of any lost time personal injury accident or any accident or vandalism resulting in personal property damage over \$400 in value that occurs as a result of or is associated with Contractor's Operations.

Contractor shall notify Forest Service within 8 hours of any personal injury accident. For vandalism and personal property accidents, Contractor shall notify Forest Service at the same time notification is given to the state and local law enforcement authorities.

Contractor shall take all reasonable measures after an accident or vandalism event to preserve the scene of the incident and provide information to facilitate a Forest Service investigation.

The method of notification shall be agreed to in writing at the prework conference required by provision K-G.1.0.

K-G.3.5.1# - WASHING EQUIPMENT (7/07). In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in prior to the equipment leaving the **NA**. Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

K-G.4# - CONDUCT OF LOGGING (10/82). Unless otherwise agreed in writing, silvicultural prescriptions and land management objectives shall be conducted and accomplished by the following requirements, methods and procedures:

Cutting Unit	Conduct of Logging
1,1A,1B,1C,3,4,5, 5A,6,6A,7,7A,8,9,10,12	The location of tractor skid roads shall be agreement. Tractor skidding shall be done over the natural terrain without excavation except where location of excavated skid roads is approved by Forest Service in advance of construction. Skid roads requiring excavation shall be kept to a minimum width. Prior to completing the unit the constructed skid roads shall be drained by outsloping, cross ditching or both.
1,1A,1B,1C,3,4,5, 5A,6,6A,7,7A,8,9,10,12	Trees shall be felled, insofar as safety permits, to angle in the direction of skidding.
1,1A,1B,1C,3,4,5, 5A,6,6A,7,7A,8,9,10,12	Logs shall be tractor skidded with the leading end free of the ground.
1,1A,1B,1C,3,4,5, 5A,6,6A,7,7A,8,9,10,12	Tractors shall be restricted to approved skid roads.
1,1A,1B,1C,3,4,5, 5A,6,6A,7,7A,8,9,10,12	Tractor skid roads shall be no less than <u>75</u> feet apart except where converging.
1,1A,1B,1C,3,4,5, 5A,6,6A,7,7A,8,9,10,12	Rub trees and/or logs shall be left along tractor skid roads as needed to protect young growth and leave trees.
1,1A,1B,1C,3,4,5, 5A,6,6A,7,7A,8,9,10,12	On steep pitches designated by Forest Service, hand falling of timber and winching logs will be required.
1,1A,1B,1C,3,4,5, 5A,6,6A,7,7A,8,9,10,12	On steep pitches designated by Forest Service, all equipment will be required to operate directly up and down the slope.

K-G.4.0.6# - SITE CONDITION (10/01). Unless otherwise agreed in writing, in Cutting Units **ALL**, the following site condition is required:

UNITS 1,1A,1B,1C,3,4,5,6A,7,7A,8,9,10 and 12, a minimum of REFER TO K-G.7# FOR PILING SPECIFICATIONS and a maximum of REFER TO C6.7# FOR PILING SPECIFICATIONS of woody material will be left evenly distributed on each acre.

UNITS 5 and 6A, a minimum of **7** tons and a maximum of **13** tons of woody material will be left evenly distributed on each acre.

Contractor may be required to remove limbs and tops prior to skidding or yarding or return them to the area after skidding or yarding in order to meet the minimum requirement. If the maximum requirement is not met through normal logging operations, slash will be treated in accordance with specifications listed in the Hazard Reduction and Site Preparation Plan.

K-G.6 - EROSION PREVENTION AND CONTROL (10/04).

Unless otherwise agreed in writing, Contractor shall complete erosion prevention and control work required in section G.6, including Streamcourse protection, within 15 calendar days after completion of skidding and/or yarding operations for each landing.

Designation of on the ground work shall be done as promptly as feasible unless it is agreed that the location of such work can be established without marking on the ground.

During periods of accelerated water runoff, especially during the spring runoff and periods of heavy rainfall, Contractor shall inspect and open culverts and drainage structures, construct special cross ditches for road runoff, and take other reasonable measures needed to prevent soil erosion and siltation of streams.

When operations are active outside the Normal Operating Season defined in A.16, erosion control work will be kept current and will be completed as soon as practicable.

K-G.6.0.1# - EROSION CONTROL SEEDING (3/07). Following completion of skidding and yarding operations in an area, Contractor shall seed and fertilize all exposed areas of raw soil on skid trails, landings, firebreaks, slides, slumps, Temporary Roads and traveled ways of National Forest system roads scheduled for stabilization by Purchaser after operations. Special Provision K-F.4.1.9# - SYSTEM ROAD STABILIZATION contains a list of the roads requiring seeding and fertilizing.

Soil on areas to be seeded shall be left in a roughened condition favorable to the retention and germination of the seed or as specified in Special Provision K-G.6.3.3# - TEMPORARY ROAD, SKID TRAIL/SKID ROAD AND LANDING SCARIFICATION.

Seed and fertilizer shall be spread evenly at the rate of **26** pounds of seed and **240** pounds of fertilizer per acre. When fertilizer and seed are applied in separate operations, the second operation shall be carried out within 72 hours of the first.

Application shall be during the period **September 15 to November 30** and under the above specified conditions unless otherwise approved.

The kinds and amounts of seed to be sown in terms of pure live seed (PLS) shall be:

Species of Seed	PLS Pounds per Acre
Blue Wild Rye	8
Bluebunch Wheatgrass	4
Slender Wheatgrass	4
Mountain Brome	4
Annual Rye	<u>6</u>
Total:	26

Contractor shall provide to the Forest Service:

1. Blue tags, or copies of blue tags from each seed lot used in the specified mix. Only certified, blue-tagged seed shall be used. The blue tag represents a field certification and serves as evidence of the genetic purity and varietal identity of the seed contained in the seed lot .
2. Labels which indicate the percentage composition of the various species in the seed mix.
3. Copies of Seed Analysis Reports from a certified seed analyst for each seed lot used in the specified mix. Purchaser will obtain this report from the seed provider. Seed Analysis Reports must include at a minimum, content of any noxious weed seeds listed on the current "State of Montana Noxious Weeds List". Only after the Forest Service has verified that this report indicates the seed does not contain any weeds on the current "State of Montana Noxious Weeds List", will the seed be accepted and used.

The following kinds and amounts of standard commercial fertilizer shall be used with guaranteed analysis of contents clearly marked on containers:

Type of Fertilizer	Pounds Per Acre
25-10-10 or 27-12-12 or 34-16-10	240

K-G.6.3.2# - TEMPORARY ROAD AND TRACTOR ROAD OBLITERATION (2/02). Notwithstanding the provisions of G.6.3 and G.6.5, unless otherwise agreed, temporary roads accessing **All Units** and tractor roads within **All Units** constructed for use with this sale shall be obliterated after they have served the Purchaser's purpose. Obliteration shall consist of recontouring road prism including all cut and fill slopes to natural ground contour. Equipment will not be permitted to operate outside the clearing limits. In addition, from **12** to **15** tons per acre of clearing or logging slash, stumps or other woody debris shall be placed and scattered uniformly on the top of the recontoured corridor.

K-G.6.3.3# - TEMPORARY ROAD, SKID TRAIL/SKID ROAD AND LANDING SCARIFICATION (2/02)

Unless waived in writing by the Forest Service on specific roads, skid trails/skid roads or landings, all landings, skid trails/skid roads, and Temporary Roads constructed or used by Purchaser shall be scarified by the Purchaser following use.

Scarification shall span the width of the compacted areas and shall be done to a depth of not less than **3** inches, but not to exceed a depth of **6** inches, and must effectively prepare the ground for seeding.

Scarification shall be done during the period **July 1 to October 15** unless otherwise approved. No scarification work shall be done during wet weather or when the ground is frozen or otherwise unsuitable.

K-G.6.6.1 - CURRENT OPERATING AREAS (10/04). Unless waived in writing by Forest Service, Contractor shall remove accumulations of slash and logging debris in operating areas from system roads prior to the end of Normal Operating Season. Slash and logging debris in excess of three (3) feet in length and three (3) inches in diameter shall not remain on backslope, in ditches, or on traveled way, shoulders or turnouts. Debris shall be scattered downslope from the roadbed, avoiding any concentrations. When weather permits operation after Normal Operating Season, Contractor shall keep such work on any additional disturbed areas as current as practicable.

K-G.7 - HAZARD REDUCTION AND SITE PREPARATION (3/89). Contractor's timing of product removal, hazard reduction and site preparation shall not unnecessarily delay Forest Service slash disposal, site preparation or reforestation. Contractor shall perform hazard reduction and site preparation work in accordance with the Hazard Reduction and Site Preparation Plan and Map which are attached hereto and made a part hereof. Such work is in addition to Required Deposits for slash disposal.

DRY CREEK
HAZARD REDUCTION AND
SITE PREPARATION PLAN
K-G.7#

General:

Unless otherwise agreed in writing, Purchaser shall perform the following work described below and as shown on the Hazard Reduction and Site Preparation Map.

In all cutting units in which logging is substantially completed by **July 15th**, purchaser's slash disposal and site preparation responsibilities shall be completed by **August 15th** of the same year.

In all cutting units in which logging is substantially completed by **September 30th**, purchaser's slash disposal and site preparation responsibilities shall be completed by **October 31** of the same year.

In cutting units in which logging is substantially completed by **September 30th** or any time outside of the Normal Operating Season, purchaser's slash disposal responsibilities shall be completed within the first 30 days of the next Normal Operating Season.

Any activity fuel or slash generated as a result of timber harvest operations, shall be returned to the inside of the cutting unit boundary.

In the event cutting unit contains areas which are not suitable for planned treatments, alternate methods may be substituted if agreed to by the Purchaser and Forest Service.

**Slash Treatment
Methods:**

Specifications:

**Machine (Grapple)
Slash Piling Without
Site Preparation:**

Any required machine piling shall be accomplished with an excavator equipped with an approved bucket with thumb or other attachment designed for site preparation and approved by the Forest Service.

**Units 1, 1A, 1B, 1C, 3,
4, 5, 6A, 7, 7A, 8, 9, 10,
12**

Logging slash abatement may be met by proper utilization. However, in the event logging activities result in significant accumulations of slash due to breakage or as a result of slashing damaged residual, excavator piling shall be performed to mitigate the accumulations of slash.

Purchaser shall grapple pile logging slash within cuttings **Units 1, 1A, 1B, 1C, 3, 4, 5, 6A, 7, 7A, 8, 9, 10, 12.**

Existing skid trails and landings will be utilized where feasible for piling access. An accumulation of slash will be defined as activity slash concentrations over a one-tenth acre that could be piled to the minimum height of **5** feet and **8** feet in width.

Slash to be piled shall include material from **2** inch diameter at the large end, having a minimum length of **5** feet.

Piles shall be placed no closer than **25** feet from the outside perimeter of the unit, system roads, wet areas, or other areas designated on the ground by the Forest Service. No pile or windrow shall be closer than **20** feet from any standing reserve trees. Piles shall be compact and free of soil.

Where material is available, Purchaser will leave a minimum of **7** and a maximum of **13** tons of woody material over **3** inches in diameter on the small end and **5** to **15** feet in length scattered, as much as practical, throughout the cutting unit

**Slashing:
Units 1A, 1B, 1C, 5A, 6,
7A, 12**

Purchaser shall slash units **1A, 1B, 1C, 7A, 12.** Purchaser shall fell all live coniferous vegetation not meeting utilization standards and over **3** feet in height, excluding **White Pine, Western Larch and Ponderosa Pine** that is designated to be left standing. Stump height shall not exceed **6** inches from ground surface as measured on the uphill side. Trees shall be completely severed from the stump.

Purchaser shall slash units **5A, 6.** Purchaser shall fell all live coniferous vegetation not meeting utilization standards and over **3** feet in height. Stump height shall not exceed **6** inches from ground

surface as measured on the uphill side. Trees shall be completely severed from the stump.

Material to be slashed within the boundary of the units shall be felled toward the center of the unit. Any material which falls outside of the unit shall be returned to a minimum of **10** feet inside of the boundary. All roads within these units shall be kept free of slashed material. Slashed vegetation shall be felled along the contour as much as possible for water runoff soil movement protection.

Clean System Roads:
All Cutting Units

Purchaser shall dispose of all logging slash **2** inch large end diameter and **5** feet in length which is created within the clearing limits of system roads. Slash shall be piled for later burning within the right-of-way clearing unless an alternate method of slash disposal is agreed to in writing. Piles shall be reasonably compact and free of soil to facilitate burning. Piles shall be of a size and location which will not impair road use. Piles shall be a minimum of twice their diameter from any residual timber.

Landing Cleanup:
All Cutting Units

A landing is considered a place where any logs or products are gathered for loading. Unless otherwise agreed, all slash accumulated at landings shall be piled.

Piles shall be reasonably compact and free of soil to facilitate burning. Piles will not be less than **6** feet in height. Piles shall be of a size and location which will not impair road use or result in damage to residual timber. Piles shall be located at least **10** feet from residual timber. Piles shall not be more than **30** feet long.

Yard Tops:
All Cutting Units

Purchaser shall leave the tops of felled trees attached to the top log and yard them to landings.

Fell Damaged
Residual:
Units 1, 3, 4, 5, 6A, 7, 8,
9, 10

Purchaser shall fell all damaged residuals in units **1, 3, 4, 5, 6A, 7, 8, 9, 10**. Purchaser shall fell all species over **3** feet in height not meeting minimum diameter specifications for Included Timber that are damaged beyond recovery by the Purchaser's Operations. Such trees shall be limbed to a stem diameter of approximately **2** inches, at which point the top shall be cut from the remainder of the stem. Stump height shall not exceed **6** inches from ground surface as measured on the uphill side. Trees shall be completely severed from the stump. These stems shall be bucked into lengths shorter than **8** feet.

K-G.7.1 - CHANGE IN SLASH TREATMENTS (3/90). Slash treatment measures required in accordance with the Hazard Reduction and Site Preparation Plan and Map may be changed upon written agreement. The Forest Service shall determine the current cost of performing the work to be deleted and the work to be added. When the cost of work deleted exceeds the cost of work added, the agreement shall provide for a lump sum payment to the Forest Service for the amount of the difference.

K-G.7.1.1 - BURNING BY CONTRACTOR (10/79). Contractor shall obtain a written permit from Forest Service before burning any camp refuse, brush, slash or construction debris at any time throughout the year. The terms of the permit will set forth:

- A. Area or location where burning is permitted.
- B. Material to be burned.
- C. Safeguards, including help and equipment to control the fire.
 - 1. Special precautions to be taken before burning.
 - 2. Control action needed until the fire is out.

K-G.7.5.3 - TEMPORARY ROAD CONSTRUCTION SLASH DISPOSAL (10/82). Unless agreed otherwise in writing, Temporary Road slash shall be disposed of or treated in accordance with the following:

A. All timber within the road clearing limits which contains a product meeting the minimum piece specifications stated in A.2 shall be felled (not pushed over) and bucked in advance of road construction. All timber shall be felled within the clearing limits whenever it is feasible to do so.

B. Timber within the clearing limits not meeting minimum piece specifications in A.2 and other debris from the clearing and grubbing operations more than three (3) inches in diameter and three (3) feet in length shall either be (a) utilized and removed from Contract Area, (b) burned within the right of way, (c) removed to designated locations shown on Contract Area Map for burying or later burning, (d) buried, (e) processed through a chipping machine, (f) scattered in such a manner as to avoid concentrations of slash and without damaging other trees or resource values, (g) decked, or (h) a combination thereof.

C. All material to be treated or disposed of shall be bucked into lengths not to exceed 20 feet before being piled or buried.

D. If debris is to be burned, burning shall be complete and shall be done at such times and in a manner approved in writing by Forest Service. Residual construction slash from burning shall be buried, scattered or removed to agreed locations.

E. Debris to be buried shall be placed in prepared holes, benches, or trenches at agreed locations and covered with not less than two (2) feet of native soil or rock. Slash and debris may be buried in the roadway providing hauling can be supported and providing there is little probability or hazard of slope failure.

F. If debris is to be chipped, the chips shall be spread over the surface of the ground in such a manner that their loose depth does not exceed six (6) inches. Chips may be mixed with soil within roadway.

G. Slash and debris may be scattered in those situations where the volume of slash or residual slash is relatively light and the adjacent stands of timber are sufficiently open to accommodate the scattering without damage.

H. If material is decked, logs not meeting Utilization Standards that are six (6) inches or more in diameter shall be bucked into lengths not to exceed 32 feet and piled at agreed locations.

K-G.8.0.1 - SCALING (PULP LOGS) (10/04). A pulp log, as shown and specified in A.2, shall be any log or portion of a tree, except western redcedar, dead or alive, not meeting sawlog specifications shown in A.2 and containing at least 50 percent pulpable wood in terms of gross cubic volume. Normal sawlog scaling defects such as stain, shake, checks, crook, sweep, burls, knot clusters, pitch, worm holes, and firm rot are considered pulpable. Fire char is not considered pulpable. Defective logs that will break up under normal debarking operations are not considered pulpable.

Final piece, log, or load volume shall be in terms of gross cubic feet.

When pulp logs are manufactured and marketed in shorter minimum piece lengths than shown in A.2, this shorter pulp log shall be considered as meeting Utilization Standards.

K-G.8.2.2 - PRESENTATION FOR WEIGHT SCALING. (4/13) To facilitate the requirement of G.8.2 that loads be presented so that they may be scaled in an economical and safe manner, and to aid in the accountability requirements of K-G.8.4.0 or K-G.8.4.8, Contractor, unless otherwise agreed in writing, shall:

A. Utilize scales that meet the standard for commercial vehicle scales defined in the National Bureau of Standards Handbook 44, current edition.

B. Weigh all loads on scales currently certified by the State in which weighed. Scales must have a current inspection tag or seal posted which shows the date of the most recent test by the State weights and measures agency. No load shall be presented for weighing that weighs more than the certified capacity of the scales in use. Each load shall be weighed according to the *Instructions for Load Weighing and Accountability* posted at the weighing facility, with the gross and tare weights stamped and recorded by an automatic recording device on the scales. Loads shall be weighed in sequence, with the gross weight obtained first and the tare weight printed within two (2) hours of unloading. In addition to the gross and tare weights, Purchaser shall record the following information on each weight slip:

- a. Sale name
- b. Load Removal Permit number
- c. Date and time weighed

C. Maintain load accountability from the Sale Area to point of weighing. In so doing, the load of products shall remain intact while in transit. Products accidentally lost in transit shall be promptly identified by Load Removal Permit number and sale designation. Purchaser shall, within 48 hours, load out such lost products and present them for weighing or make other arrangements acceptable to Forest Service. Unless otherwise agreed, off-loaded logs will not be stored at State weigh station sites. Logs will be off-loaded onto an empty truck and will have a log load removal permit attached before

proceeding from the weigh station. Purchaser is required to notify the Forest Service before off-loading of logs occurs. Off-loaded logs will be delivered immediately to the designated weight scales.

D. Clearly and legibly paint the last three digits of the Load Removal Permit number in **BLACK** paint on the back end of at least three (3) logs of every load transported from the Sale Area.

K-G.8.2.3 - VOLUME DETERMINATION. (4/13) Volume determination shall be based on Weight Measurement unless otherwise agreed. Products shall be weighed on certified scales at locations approved by Forest Service. The weight slip, showing sale name, Load Removal Permit number, date and time weighed, and the gross and tare weights, shall be attached to the Scaler Permit and placed in the location(s) designated by the Forest Service.

In the event of weight scale equipment breakdown or suspension of use for other reasons, hauling shall be suspended until Contractor and Contracting Officer agree to an alternate weighing location.

If Scaler Permits and/or weight slips are not provided for any reason, Forest Service shall use data from the records during the period in which loss occurred to determine weight of load(s). The weights of such load(s) shall be deemed equal to the load with the heaviest net weight presented during the payment period in which the loss occurred.

Payment for lost products may not be required if Forest Service determines that the weight of such lost products involved is small and justified by existing conditions.

K-G.8.4.8 - WEIGHT ACCOUNTABILITY FOR SPLIT PRICING (3/12).

Products sold on a basis other than single price for all products shall be accounted for as follows:

A. Requirements Applicable to Contractor's Accountability Obligations:

- a. Where Contractor's product accountability responsibilities are concerned, all operations performed by Contractor's employees, agents, contractors, subcontractors, their employees or agents, Contractor's obligations shall be the same as if performance is by Contractor.
- b. Contractor shall sort and deck separately the sawtimber and non-sawtimber products at the landing. The non-sawtimber products shall remain on the landing until released for hauling and weighing by the Sale Administrator.

B. Requirements Applicable to Product Removal Book:

1. Forest Service:

- a. Forest Service will issue to Contractor or designated representative(s) serially numbered Product Removal Permit Books for sawtimber products for use only on this sale. Product Removal Permit Books whether used or unused are accountable property of Forest Service and shall be returned to issuing Ranger District in accordance with instructions contained on the inside cover of each book.
- b. The Product Removal Permits for non-sawtimber products will be issued by the sale administrator as needed to haul these products and are accountable property of the

Forest Service. The non-sawtimber products will not be hauled until inspected and released by the sale administrator.

2. Contractor shall require:

- a. All permits be filled out in ink by an individual named in writing other than the truck driver and be attached to load before products are hauled from immediate vicinity of or adjacent to location where loading is done showing date loaded, brand, sale name, and destination where products will be weighed. Permits shall be attached in accordance with instructions on inside cover of Product Removal Permit Book.
- b. Before Sawtimber products are hauled, truck driver will sign legal signature in ink on Woods Permit.
- c. Contractor's Representative or other designated representative will sign legal signature in ink on Woods Permit for non Sawtimber products at time the permits are issued by the sale administrator.
- d. Contractor shall assure that all used Scaler Permits are deposited in accordance with procedures established by the Forest Service.

C. Requirements Applicable to Weight Slips:

1. Contractor shall assure that:

- a. All products removed are presented for weighing at agreed to locations and that gross and tare weights are obtained on certified scales.
- b. That weight slips are attached to proper Scaler Permit and deposited in accordance with procedures established by the Forest Service.

K-G.8.4.9 - ROUTE OF HAUL. (4/13) As part of the annual Operating Schedule, Contractor shall furnish Forest Service both a map and a written general plan for hauling Included Timber from Contract Area. The plan shall set forth:

- A. Designated haul route(s).
- B. Designated weight scales.

Such route of haul shall normally be the shortest, most economical haul route available between the points. Forest Service written approval of the haul route(s) and weight scales is required prior to commencement of Contractor's hauling operations. The designated weight scales must meet the requirements contained in Standard Provision G.8.1.4 at each weighing facility the Contractor wishes to use.

Upon advance written request, other haul routes may be approved. All products removed from Contract Area shall be transported over the approved designated routes of haul. Contractor shall notify Forest Service when a load of products, after leaving Contract Area, will be delayed for more than 12 hours in reaching weighing location. Such notification shall be made as soon as the Contractor is aware of the delay and include the Load Removal Permit number, weighing destination and rationale for the delay.

Contractor shall require truck drivers to stop, if requested by Forest Service, for accountability checks when products are in transit from Contract Area to the designated weighing location. Purchaser and Forest Service shall agree to locations for accountability checks in advance of haul. Such locations shall be established only in areas where it is safe to stop trucks. Forest Service shall notify Contractor of the methods to be used to alert truck drivers of an impending stop.

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

PROJECT 001 (MANDATORY)

PRE-COMMERCIAL THINNING

The Contractor shall perform Pre-Commercial Thinning, Hand, and Machine Piling:

GENERAL SPECIFICATIONS

ITEM 1– PRE-COMMERCIAL THINNING

The Contractor’s Technical Proposal shall include a Work Plan and Production Schedule describing the workforce to be provided and production rates to be achieved in order to meet the performance schedule.

SCOPE OF CONTRACT. This contract requires tree thinning, slash treatment, and related work in compliance with its terms, specifications, and provisions. This includes furnishing labor, equipment, supervision, transportation, operating supplies, and incidentals except those items listed as Government-furnished property.

The intent of this contract is to improve existing stand conditions by reducing stand stocking and adjusting the species mixture to favor fire, insect, and disease resistant species where possible. The selection of leave trees and cutting of undesirable or excess trees will provide space for the leave trees to grow and develop.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana. The work site, access to the area, method of work, size of units, and other information pertinent to the thinning units are listed on the Silvicultural Prescription Summaries, Sale Area Maps and Summary of Precommercial Thinning Units.

(A) - Project Location. Refer to Sale Area Map and Summary of Pre-commercial Thinning Units.

(B) - Accessibility. Most units are accessible from approximately **June 16 through October 15.** Depending on weather conditions, some units may be accessible longer and others may have a slightly shorter time frame.

Units that are accessible by vehicle can be reached with a 2-wheel drive vehicle. Some roads may be brushy but are still drivable. Depending on weather and road conditions, some units may require high-clearance and/or 4-wheel drive vehicles.

(C) - Boundaries. Thinning unit boundaries are usually obvious on the ground as clear-cut units that have become fully stocked with sapling size or smaller trees adjacent to uncut stands of mature trees. Areas that are not obvious will be flagged with **Red /White Candy Stripe** flagging. Aerial photos and/or photocopies of the units will be available for inspection to assist the Contractor with unit boundaries. If areas are unclear and not adequately flagged, the contractor may ask the COR to re-flag specific areas.

Walk-ins: Roads closed, typically with earthen berms or otherwise barricaded, shall require a “walk-in”. Some units will be a walk-in, unit J is the farthest at 0.5 miles. Refer to the Silviculture Prescription Summaries for units requiring walk-in access.

SUMMARY OF PRE-COMMERCIAL THINNING UNITS AND SLASH TREATMENT

	Mandatory Stewardship Project 001 - Pre-Commercial Thinning	UOM	Est Qty
001-			
001-1	Pre-Commercial Thin (PCT)-Unit A	Acres	3
001-2	Hand Pile-Unit A	Acres	3
001-3	Pre-Commercial Thin (PCT)-Unit B	Acres	3
001-4	Hand Pile-Unit B	Acres	3
001-5	Pre-Commercial Thin (PCT)-Unit C	Acres	4
001-6	Hand Pile-Unit C	Acres	4
001-7	Pre-Commercial Thin (PCT)-Unit D	Acres	2
001-8	Hand Pile-Unit D	Acres	2
001-9	Pre-Commercial Thin (PCT)-Unit E	Acres	2
001-10	Hand Pile-Unit E	Acres	2
001-11	Pre-Commercial Thin (PCT)-Unit F	Acres	2
001-12	Hand Pile-Unit F	Acres	2
001-13	Pre-Commercial Thin (PCT)-Unit G	Acres	2
001-14	Hand Pile-Unit G	Acres	2
001-15	Pre-Commercial Thin (PCT)-Unit H	Acres	2
001-16	Hand Pile-Unit H	Acres	2
001-17	Pre-Commercial Thin (PCT)-Unit I	Acres	3
001-18	Hand Pile-Unit I	Acres	3
001-19	Pre-Commercial Thin (PCT)-Unit J	Acres	3
001-20	Hand Pile-Unit J	Acres	3
001-21	Pre-Commercial Thin (PCT)-Unit K	Acres	2
001-22	Hand Pile-Unit K	Acres	2
001-23	Pre-Commercial Thin (PCT)-Unit L	Acres	5
001-24	Hand Pile-Unit L	Acres	5
001-25	Pre-Commercial Thin (PCT)-Unit M	Acres	6
001-26	Hand Pile-Unit M	Acres	6
001-27	Pre-Commercial Thin (PCT)-Unit N	Acres	120
001-28	Machine Pile-Unit N	Acres	120

SALVAGEABLE MATERIAL. Salvage material is available to the Contractor with approval by the Contracting Officer; when other contract work is progressing as scheduled; and removal will be completed prior to expiration of the contract time. Such material shall become property of the Contractor on a salvage rights basis. Rights to any material not removed from the project prior to expiration of contract time shall revert back to the Government.

TECHNICAL SPECIFICATIONS

In all cutting units in which thinning is substantially completed by **July 15th**, purchaser's slash disposal and site preparation responsibilities shall be completed by **August 15th** of the same year.

In cutting units in which thinning is substantially completed by **September 30th** or any time outside of the Normal Operating Season, purchaser's slash disposal responsibilities shall be completed within the first 30 days of the next Normal Operating Season

MACHINE PILING- EQUIPMENT SPECIFICATIONS Machine piling shall be accomplished with an excavator equipped with an approved bucket with thumb or other attachment designed for fuel reduction and approved by the Forest Service. Machines used to pile must be capable of meeting the desired trees per acre/ spacing requirements. The size of machine must be appropriate so not to damage residual trees and not cause excessive soil displacement.

NOXIOUS WEEDS/EQUIPMENT CLEANING

In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species in/out the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in NA prior to the equipment leaving the NA. Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

SELECTION OF LEAVE TREES. The Contractor shall utilize the Silvicultural Summary Prescription, characteristics of desirable leave trees (refer to Definitions) and requirements in this section for selecting the leave trees. The prescription is based on the overall composition and condition of the stand and is intended to be a guideline for achieving the desired final condition. The Contractor shall use their silvicultural knowledge to identify and adjust to any

conditions within the stand and notify the Contracting Officer of any conditions not addressed in the prescription. The Contractor shall recognize any insect, disease, or animal damage problems and report them to the Contracting Officer. Major problems and treatment are described in the silvicultural prescription. The Government, at the suggestion of the Contractor, may revise prescriptions with approval by the Contracting Officer. Alternate prescriptions must meet the overall stand objectives to be considered by the Contracting Officer.

No Pacific yew, if present, shall be cut (in form of brush or tree). If Pacific yew is discovered, the contractor shall inform the contracting officer of its location.

The acceptable density, preferred species, and unique unit requirements for selecting leave trees are defined in the Silvicultural Summary Prescription.

Utilization of 'Best Tree in Competitive Area' method will be used. Leave trees shall be selected from trees that have potential for being a crop tree. The trees having the potential for crop trees are rated in relation to the optimal tree of the same species and age in the Competitive area. The selected leave trees shall be those that have the highest rating in the decision area. The number of leave trees to be left in the decision area will depend on the acceptable stocking density. (Example: 1/50 of the acre decision area will have a range of 2 to 3 trees when the acceptable stocking density is 134-170 trees per acre.) When there is more than one tree rated the highest for its species for species in the decision area, the selection shall be based on the species preference list. Selected leave trees shall have the best form and vigor, be of a species listed in the species preference in the Silvicultural Summary Prescription, and be within the acceptable stocking density. The characteristics of desirable leave trees shall determine trees to be cut, but defects are acceptable for a particular leave tree if it is the best selection within a decision area.

Other leave trees. In addition to the leave trees described above, the Contractor shall leave trees larger than the maximum dbh, and other "trees to be ignored" as described in the Silvicultural Summary Prescription. Thinning quality will reflect the failure to leave these trees.

CUTTING METHODS

(a) - Stump Height - Removal of Live Limbs. All trees which are required to be cut shall be cut below the lowest live limb, except when prevented by natural obstacles. All live limbs below the cutting point shall be removed. Trees shall be completely severed from the stump. Stump height shall not exceed **6** inches above the ground level or **4** inches above natural obstacles.

For inspection purposes, a limb must exceed six (6) inches in length before it will be considered a live limb.

(b) - Felling. Cut trees shall be felled away from unit boundaries, roads, telephone lines, powerlines, private property boundaries, established trails, stock driveways, fence lines, established land corners, and streams. Any trees falling on such areas shall be removed.

All thinning slash shall be placed on or near the ground surface so that it will not lean against or be suspended by an uncut tree.

All conifer trees equal to or greater than the minimum tree height to cut specifications and smaller than the maximum DBH to cut, and not selected as leave trees, shall be cut. See the Silvicultural Summary Prescription for minimum tree height specifications for each unit.

Tree height on all trees will be measured along the main stem, including leaning and down trees.

In all of the subitems trees shall be directionally felled so that all main stems are parallel to each other and are laying on or near the ground surface.

SLASH TREATMENT HANDPILE

In **Units A-M**, Contractor shall construct hand piles with material from fuel concentrations in conjunction with the resulting debris from fuels generated during the required removal of ladder fuels.

Slash to be piled includes material from **3** inch in diameter and greater at the large end, having a minimum length of **5** feet.

Boles of trees from **≥4** inch in diameter at the large end, to **3** inch diameter on the small end, are to be left, on the ground, on site.

Piles shall be constructed reasonably compact and free of soil to facilitate burning. Piles shall also be constructed with enough fine material (less than **1** inch in diameter), such as twigs and needles to easily ignite and burn the pile. All piles should have a good base to prevent the pile from toppling. Piles will not be made on downed logs or stumps. Material in piles will be orientated in one direction and not “teepee” shaped. (**See Figure 3**).

Piles will be a minimum height of **4** feet and not more than **6** feet in width. Piles shall be placed no closer than **20** feet from the outside perimeter of the unit, system roads, wet areas, or other areas designated on the ground by the Forest Service. No pile shall be closer than **4** feet from any standing reserve trees.

If conditions make it impractical to locate piles so that damage to residual green trees can be avoided, an area designated by the Forest Service will be cleared and used as a piling area.

All piles should have a good base to prevent the pile from toppling. Piles will not be made on downed logs or stumps.

HANDPILE COVERING:

In **Units A-M**, the Contractor shall cover all piles within the pre-identified handpile units with waterproof material. A minimum of **(16 square feet of each pile or a minimum of 75 percent of the surface area)** shall be covered. This covering shall be placed over the center of the pile, preferably between $\frac{1}{2}$ and $\frac{3}{4}$ the height of the pile. Pieces of branch wood shall be placed on top of the covering to secure it. The material used to cover the piles will not violate the State of Idaho and Montana rules for control of open burning. Such things as plastics, tar paper, asphalt material, and so forth, do not meet the open burning rules. (**See Figure 3**).

The material used to cover piles shall be supplied by the purchaser.

In **Units A-M**, the Contractor shall leave **3-6** tons/acre of downed woody debris (DWD) where material is available. DWD shall be a minimum of **4** inches in diameter or greater on the large end and at least **5** feet in length. Unsound, decomposing pieces are to also be left on site.

In **Units A-M**, boundaries are marked with **Red/White candy stripe** flagging. The Contractor shall inform the Forest Service of any unidentified wet areas in fuel reduction units prior to treatment.

Road prisms shall be kept clear of thinning slash on access and other roads indicated on the project work maps.

All drainage facilities and ditches shall be kept clear of thinning slash for a distance of five (5) feet on each side.

SLASH TREATMENT MACHINE PILE

In **Unit: N**, Contractor shall construct equipment piles with material resulting from fuels generated during the required pre-commercial thinning and residual logging activities. Accumulations of fuels will be defined as fuels concentrations at or over one-tenth (1/10th) acre that could create a pile not less than **4** feet in height and **6** feet in width.

Slash to be piled includes material from **3** inch in diameter and greater at the large end, having a minimum length of **5** feet.

Boles of trees from **≥4** inch in diameter at the large end, to **3** inch diameter on the small end, are to be left, on the ground, on site.

In **Unit N**, piles shall be compact, free of soil and of sufficient size to facilitate burning. Piles will be a minimum height of **4** feet and not more than **6** feet in width. Piles shall be placed no closer than **20** feet from the outside perimeter of the unit, system roads, wet areas, or other areas designated on the ground by the Forest Service. No pile shall be closer than **4** feet from any standing reserve trees.

If conditions make it impractical to locate piles so that damage to residual green trees can be avoided, an area designated by the Forest Service will be cleared and used as a piling area.

All piles should have a good base to prevent the pile from toppling. Piles will not be made on downed logs or stumps

RESOURCE PROTECTION. The Contractor shall exercise extreme care to prevent damage to existing facilities, developments and resources.

(a) - Existing Facilities. If existing facilities, such as roads, erosion dips, barriers and drainage facilities are damaged, they shall be replaced or repaired at no cost to the Government.

(b) - Protection of Streamcourses. The Contractor shall minimize damage to stream courses. Stream courses identified on project maps shall be free of thinning slash for a distance of **15 feet** on either side of the stream course. Trees shall be directionally felled away from the stream course.

A streamcourse means a natural water course of perceptible extent with definite beds and banks which confines and conducts continuously or intermittently flowing water. Definite beds are defined as having a sandy or rocky bottom which results from the scouring action of water flow.

(c) - Prevention and Control of Soil Erosion. The Contractor shall minimize soil erosion. Precautions shall include:

(1) - Prevention of gulying of roads and skid trails within and adjacent to the contract area.

(2) - Protection of cover, soil and water.

(d) - Protection of Cultural Resources. Location of known historic or prehistoric sites, buildings, objects, and properties related to American history, architecture, archeology and culture, shall be identified on the ground and/or shown on the Contract Map. The Government may modify this contract to protect an area, object of antiquity, artifact, or similar object which is or may be entitled to protection regardless of when the area, object or artifact is discovered or identified. Discovery of such areas or objects by either party shall be promptly reported to the other party.

DEFINITIONS. The following definitions are added:

Acceptable (Stocking) Density. The number of trees between the minimum and maximum specified in the Silvicultural Summary Prescription.

Damage. Defect or deformity of a tree resulting from agents such as wind, snow, animals, insects, disease, and equipment, and evidenced by such things as dead or broken tops or trunks, crooks, and deep scars or damage to the bark on more than ¼ of the circumference of the tree.

Deficiency (or discrepancy). Trees that are unsatisfactory either because they were cut and met the requirements for a leave tree or were not cut and should have been. There are three categories of deficiencies described in the Inspection procedure (Section J).

Category A deficiencies – cutting trees that should not be cut or damaging selected leave trees. These are non-correctable errors.

Category B deficiencies - leaving trees that should be cut. These are excess trees and are correctable errors.

Category C deficiencies – other types of errors such as not completely severing trees from stumps, leaving small trees, and other errors as described on the inspection form.

Desirable leave tree characteristics. Trees that are desirable to be leave trees have the following characteristics:

- Straight stem
- Small branch diameter
- Good coloration
- Well-formed crown
- Branches horizontal or slightly angled to bole
- Free or limited presence of insect or disease damage and/or symptoms; damage or symptom does not affect growth or survival
- Vigorous annual terminal growth (especially in last 1 to 3 years)
- Crown class of dominant or co-dominant
- Crown ratio is 40% or larger.

Characteristics of trees that are not desirable for leave trees:

- Multiple tops
- Poor crown form
- Crook or sweep in bole
- Dead or broken tops
- Poor coloration
- Large branch diameter
- Presence of insect or diseases
- Branches more than 45 degrees from horizontal
- Physical or mechanical damage
- Suppressed
- Poor annual growth
- Sucker limbs

Diameter breast height (dbh). The diameter of the trunk measure at a point 4-1/2 feet above the ground level on the uphill side of the tree.

Dominant tree. A tree whose crown extends above the general level of the main canopy; or in some cases, a tree whose crown is above the main canopy of the tree's immediate neighbors, receiving full light from above.

Excess tree. An uncut tree that according to contract specifications should have been cut. Excess trees are considered a Category B deficiency in the inspection procedure; these are generally correctable.

Hang-up tree. Any cut tree suspended more than 3 feet off the ground.

Improperly Cut tree. A tree that was cut that should have been a leave tree based on contract specifications. Also includes any leave tree that was damaged by the contractor's operations. This is considered a Category A deficiency and is not a correctable deficiency.

Leave Trees per acre. The number of leave trees within one acre. Generally referred to average leave trees per acre calculated from one or more plot samples.

$$\text{No. of trees per plot} \times \text{reciprocal of plot size} = \text{leave trees per acre}$$

and

$$\frac{\text{Total trees on all plots}}{\text{Total no. plots taken}} \times \text{reciprocal of plot size} = \text{leave trees per acre}$$

Minor damage. Trees with damage, however, the crooks in the trunk are offset less than 3 inches from

the long axis and within 13 feet of the ground, or bark damage to less than one-fourth the circumference of the tree. Trees with forks or broken tops are not considered to have minor damage.

Satisfactory leave tree. Tree that is selected to be left on the unit that meets contract specifications. Tree is larger than the minimum height required to be cut.

Slash. Trunks of cut trees, and/or limbs created by the Contractor's operations.

Small Trees. Trees to be cut that are equal to or up to two (2) feet greater than the minimum tree height specified.

Spacing. The horizontal distance from the trunk of one leave tree to the trunk of the next nearest leave tree. Average spacing is calculated from the leave trees per acre.

Special Protection Area. A zone that has special characteristics such as riparian vegetation, wildlife calving areas, etc. Special protection areas are noted on the project maps and they may require special treatment such as an alteration to the tree cutting, slash treatment, vehicle travel or fueling of saws. Refer to the Silvicultural Summary Prescription for required practices.

Stream course. The area along a stream with riparian vegetation and other riparian characteristics. Stream courses are noted on the project maps. They typically require special treatment, which may include alteration to the tree cutting, slash treatment, vehicle travel or fueling of saws. Special treatments will be specified in the Silvicultural Summary Prescription.

Surplus tree: A tree that is left in the unit that is in addition to the other satisfactory leave trees and is larger than those defined as small trees. It is not counted in the acceptable tree per acre calculation but does contribute to the total trees per acre on the unit. A surplus tree is coded as S3 or S4 trees in the inspection procedure.

Thinning slash. Debris created from work under this contract, including all cut trees and shrubs including the tops, trunks, and branches.

Unsatisfactory Tree. A tree that fails to meet contract standards; includes but is not limited to:

- (1) cutting the wrong tree, failure to cut a correct tree, failure to completely sever a live limb, etc.
- (2) Failure to prune a tree or pruning that is not in contract.
- (3) Failure to girdle a tree that meets the specifications is also an unsatisfactory tree.

Unsatisfactory trees are considered a deficiency or discrepancy in contract inspection and may be either a Category A, Category B or Category C deficiency.

CONTRACTOR QUALITY CONTROL

The Contractor shall provide quality control for all thinning operations. The Contractor is expected to conduct their own prompt inspections to ensure that all thinning and slash treatment requirements are being met. Government inspections are for payment determination only, and are not intended to be used as a quality control by the Contractor. Any delay in Government inspections will not cause the Government to be responsible for the Contractors thinning quality.

The Contractor's onsite representative shall be fully conversant in the English language.

GOVERNMENT QUALITY ASSURANCE SURVEILLANCE PLAN

- (a) Inspection. The Government’s quality assurance inspections will determine compliance with specifications and provide the basis for computing the rate of service credit. Inspections will consist of visual observations and sample plots to determine compliance with the specifications. The plots will be located throughout the thinned areas to obtain a representative sample of the work. Plot centers will be marked and numbered. Each contract item will be inspected separately and inspection results will not be averaged with those of other contract items.

Determination of the acceptability of the work performed will be based on these inspections, which will be considered conclusive, except as otherwise provided in the contract. The Contractor or his representative may observe inspections while they are underway.

- (b) Plot Procedures. Each plot will be examined and the findings on the items listed below recorded:
 - (i) Number of trees that were left.
 - (ii) Category “A” – Uncorrectable Deficiency
 - (A) Number of cut leave trees; a leave tree in accordance with the section entitled Selection of Leave Trees or the Prescription Summary that was cut.
 - (B) Wrong selection of leave tree; a leave tree that was cut while leaving a lesser tree.
 - (iii) Category “B” – Correctable Deficiency
 - (A) Number of excess trees.
 - (iv) Category “C” – Correctable Deficiency
 - (A) Small trees missed.
- (c) Upon inspection of all plots for a unit, the number of leave trees per acre and the quality of thinning will be calculated as follows:
 - (i) Number of leave trees per acre:
$$\frac{\text{Number of trees left}}{\text{Number of plots taken}} \times 100 = \text{Leave trees per acre}$$
 - (ii) Thinning Quality:
$$1.00 - \frac{\text{Category “A” Trees}}{\text{Number of trees left} - \text{Category “B”}} \times 100 = \text{Quality \%}$$

- (d) Rework and Reinspection after Rework. Category “B” – When total number of leave trees exceed the maximum allowance or when Category “C”, total number of small trees missed exceed 35 trees per acre, stewardship credits will not be established until the deficiency is corrected, unless the Contracting Officer determines excess tree deficiency to be minor and will not result in any material differences in total number of trees to be left. Inspections after rework will be made in the same manner as the first inspection but on different plot lines. The Contractor shall pay for inspections necessitated by rework.
- (e) Inspection of Slash Treatment and Other Contract Requirements. Acceptance will be determined by inspection of areas requiring treatment and will be based on adherence to the specifications. Noncompliance with any of the specifications will classify the treatment as unsatisfactory and rework will be required to bring the treatment up to specification standards.

DELIVERIES OR PERFORMANCE REQUIREMENTS

(1) Additional Performance Requirements: The Work Plan and Production Schedule submitted in the offeror's Technical Proposal shall describe the workforce to be provided and production rates to be achieved, and include specific dates of performance. This schedule shall be made part of the contract requirements, so that the Government may plan for inspection personnel.

(2) Measurement and Stewardship Credits

Calculation of Stewardship Credits for Thinning. After inspection of a completed item, the Contracting Officer will calculate the pay rate for the acceptable work.

- a. When the quality is 90 percent or greater, the work will be considered acceptable and stewardship credits will be made at the contract unit price and acreage. When the quality of work is less than 90 percent but is 80 percent or over, the work will be considered marginal and stewardship credits will be made for the value of services received. Stewardship credits will be made after assessment of a 1 percent deduction in the unit price for each 1 percent the thinning quality is below 100 percent. This stewardship credit shall only be made after the Government determines that no further rework shall be required nor allowed. No stewardship credits will be made for quality of work below 80 percent.
- b. Pull back, lopping, slash treatment, and walk-in access are included in the unit price and no additional payment will be made.

FIRE PRECAUTIONS

Contractor shall comply with specific fire precautionary measures set forth in K-H.2 – Normal Precautions.

Figure 1. The Hawksworth six-class dwarf mistletoe rating system

Instructions		Example
<p>Step 1 Divide live crown into thirds.</p>		<p>If this third has no visible infections, its rating is (0).</p>
<p>Step 2 Rate each third separately. Each third should be given a rating of 0, 1, or 2 as described below:</p> <ul style="list-style-type: none"> (0) no visible infections (1) light infection (1/2 or less of total number of branches in the third infected) (2) heavy infection (more than 1/2 total number of branches in the third infected). 	<p>If this third is lightly infected, its rating is (1).</p>	
<p>Step 3 Add ratings of thirds to obtain rating for total tree.</p>		<p>If this third is heavily infected, its rating is (2).</p> <p>The tree in this example gets a rating of: 0 + 1 + 2 = 3.</p>

On a tree or stand basis, light infection is a rating of 1 to 2; moderate is 3 to 4; and severe is 5 to 6. For a stand, the rating is calculated as the average rating of all infected trees. Incidence is the percentage of susceptible trees infected by dwarf mistletoe.

PRUNING

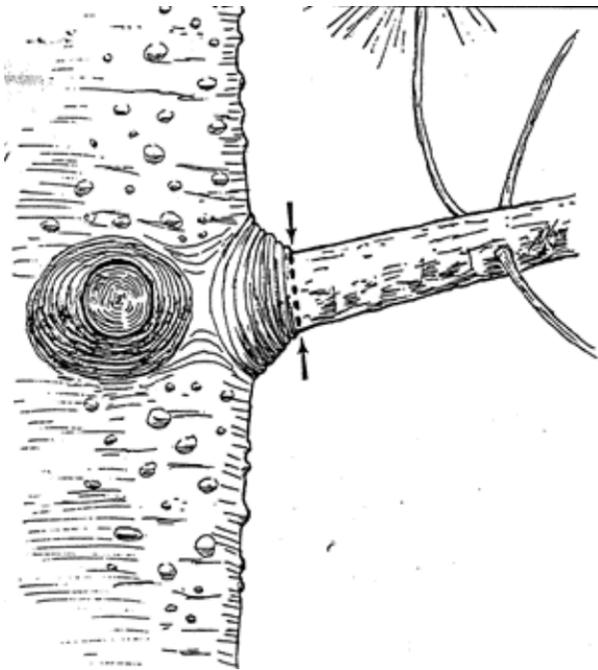
PRUNING FOR REDUCTION OF BLISTER RUST MORTALITY

OBJECTIVE: Mortality caused by blister rust most often occurs from basal and lower stem cankers. These infections occur when trees are small, generally less than 10 feet tall. In trees this size, the lethal infection zone includes branches on the lower bole. Since blister rust infection can originate only on branches, pruning the lower branches of western white pine would prevent lethal and basal stem cankers. Removal of infected branches will also prevent the infection from reaching the bole.

SPECIFICATIONS: Prune live branches of western white pine **4** feet to **16** feet tall. Prune 50% leaving at least **4** whorls. Whitepine over **16** feet prune **8** feet up. Branches should be pruned flush with the branch collar. Infected branches above this height and within easy reach should also be pruned.

*Western white pine should be pruned if it has no basal or lower stem cankers. Western white pine with flagging can be pruned if the infection has not reached **6** inches from the bole.

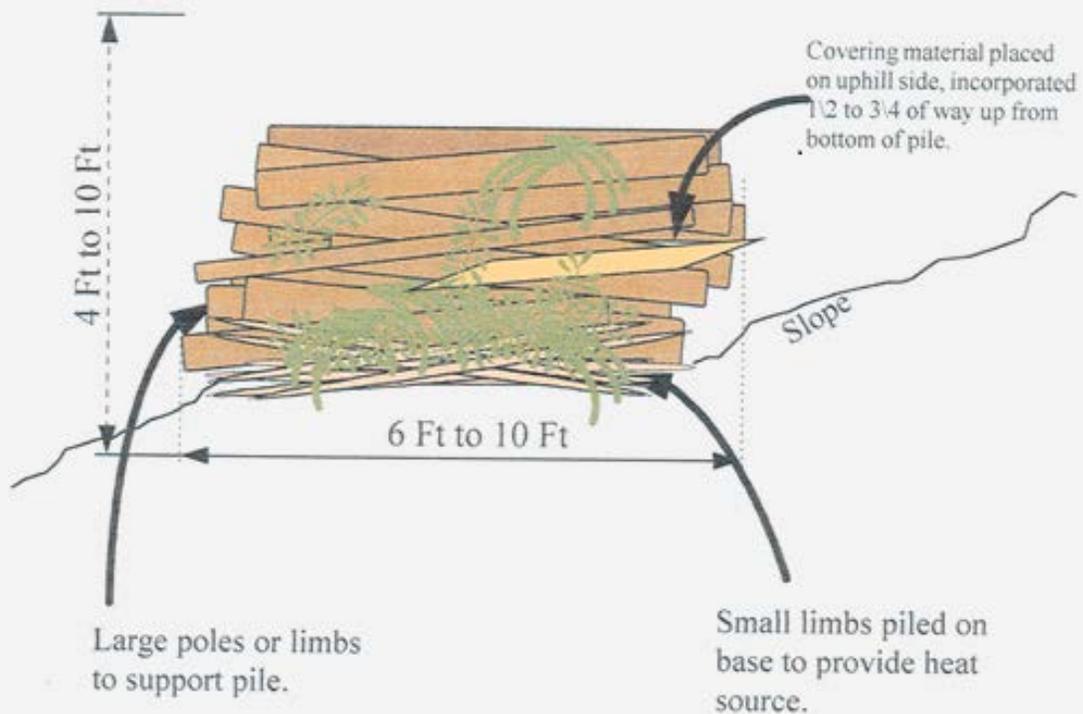
Figure 2



Branches shall be pruned flush with the branch collar (see arrows).

Figure 3

Slash Disposal Specifications Hand Piling and Covering



SILVICULTURAL SUMMARY PRESCRIPTION

Unit # A, B, C, D, E

Location: Eagle View Road; Refer to Contract Area Map

Stand Description

Stand Number: 703.01.004

Acres: 14

Avg. Slope: <10 %

Elevation: 2520 ft.

Avg. Aspect: East

Legal: Sec 16 T28N R33W

Boundary: Red and White Candy Stripe Flagging

Access: Access on road# 14356 Eagle View Road and 14356A Otter Lane, short walk in, approximately 30 miles from Trout Creek.

Insect, Disease and Damage:

Snow Damage: -- Select upright trees with straight stems to prevent future damage.

Western Gall Rust: -- All lodgepole pine and ponderosa pine with rust infection on the bole shall be cut. A tree with infection on the limbs may be considered as a leave tree if it is the best tree and no other trees are available to leave.

Blister Rust: -- Prune ALL white pine to a height of 8 feet or 50% of the total height, whichever is less. Must leave at least 4 live branch whorls.

Dwarf mistletoe: -- Select leave trees with a hawksworth rating of 2 or less.

Silvicultural Goal and Desired Condition

The stand shall be thinned to an **average of 225** trees per acre, not counting trees less than a minimum cut height of **24** inches. All trees over **36** inches in height can be considered as leave trees if best for that species in the Competitive Area. The estimated percent of crop / leave tree selection as designated under Best Tree Thinning below is a guide and will be controlled by available trees, leave tree selection, and preference list, but should be a guide to a good species mix in the stand. Do not close up spacing or increase the number of trees next to openings.

Required Thinning Results

1. **Best Tree Thinning**

- Best Tree in competitive area method is being used in selecting leave trees with the Species preference as follows:
 - Species preference, priority and percent → **WL, WP, PP, LP, RC, DF, GF, WH**
 - **Bold** tree species should represent greater than 50% of the species composition post treatment.
- With an average of 225 trees per acre, the plots should have a minimum of 3 trees or a maximum of 6 trees per 1/50th acre plot. Maximum number of Category C small trees per acre not to exceed 35.

2. **Special Treatments:**

- **Leave all hardwoods**
- **Keep roads, ditches, and culverts clear of slash, pull back 10 feet from culverts.**
- **Thinning slash not to exceed a height of 18 inches, buck the slash to 5 foot lengths if necessary to achieve required slash height.**
- **Leave ALL conifers greater than 8 inches diameter at stump height.**

SILVICULTURAL SUMMARY PRESCRIPTION

Unit # F, G, K

Location: Dry Creek; Refer to Contract Area Map

Stand Description

Stand Number: 703.01.002

Acres: 5

Avg. Slope: <10 %

Elevation: 2560 ft.

Avg. Aspect: East

Legal: Sec 29 T28N R33W

Boundary: Red and White Candy Stripe Flagging

Access: Access on road# 14356 Eagle View RD, short walk in, approximately 30 miles from Trout Creek.

Insect, Disease and Damage:

Snow Damage: -- Select upright trees with straight stems to prevent future damage.

Western Gall Rust: -- All lodgepole pine and ponderosa pine with rust infection on the bole shall be cut. A tree with infection on the limbs may be considered as a leave tree if it is the best tree and no other trees are available to leave.

Blister Rust: -- Prune ALL white pine to a height of 8 feet or 50% of the total height, whichever is less. Must leave at least 4 live branch whorls.

Dwarf mistletoe: -- Select leave trees with a hawksworth rating of 2 or less.

Silvicultural Goal and Desired Condition

The stand shall be thinned to an **average of 225** trees per acre, not counting trees less than a minimum cut height of **24** inches. All trees over **36** inches height can be considered as leave trees if best for that species in the Competitive Area. The estimated percent of crop / leave tree selection as designated under Best Tree Thinning below is a guide and will be controlled by available trees, leave tree selection, and preference list, but should be a guide to a good species mix in the stand. Do not close up spacing or increase the number of trees next to openings.

Required Thinning Results

1. **Best Tree Thinning**

- Best Tree in competitive area method is being used in selecting leave trees with the Species preference as follows:
 - Species preference, priority and percent → **WL, WP, PP, LP**, RC, DF, GF, WH
 - **Bold** tree species should represent greater than 50% of the species composition post treatment.
- With an average of 225 trees per acre, the plots should have a minimum of 3 trees or a maximum of 6 trees per 1/50th acre plot. Maximum number of Category C small trees per acre not to exceed 35.

2. **Special Treatments:**

- **Leave all hardwoods**
- **Keep roads, ditches, and culverts clear of slash, pull back 10 feet from culverts.**
- **Thinning slash not to exceed a height of 18 inches, buck the slash to 5 foot lengths if necessary to achieve required slash height.**
- **Leave ALL conifers greater than 8 inches diameter at stump height.**

SILVICULTURAL SUMMARY PRESCRIPTION

Unit # H, I, J

Location: Dry Creek; Refer to Contract Area Map

Stand Description

Stand Number: 703.01.003

Acres: 8

Avg. Slope: <10 %

Elevation: 2440 ft.

Avg. Aspect: SouthEast

Legal: Sec 16 T28N R33W

Boundary: Red and White Candy Stripe Flagging

Access: Access on road# 14356 Eagle View RD, short walk in, approximately 30 miles from Trout Creek.

Insect, Disease and Damage:

Snow Damage: -- Select upright trees with straight stems to prevent future damage.

Western Gall Rust: -- All lodgepole pine and ponderosa pine with rust infection on the bole shall be cut. A tree with infection on the limbs may be considered as a leave tree if it is the best tree and no other trees are available to leave.

Blister Rust: -- Prune ALL white pine to a height of 8 feet or 50% of the total height, whichever is less. Must leave at least 4 live branch whorls.

Dwarf mistletoe: -- Select leave trees with a hawksworth rating of 2 or less.

Silvicultural Goal and Desired Condition

The stand shall be thinned to an **average of 225** trees per acre, not counting trees less than a minimum cut height of **24** inches. All trees over **36** inches height can be considered as leave trees if best for that species in the Competitive Area. The estimated percent of crop / leave tree selection as designated under Best Tree Thinning below is a guide and will be controlled by available trees, leave tree selection, and preference list, but should be a guide to a good species mix in the stand. Do not close up spacing or increase the number of trees next to openings.

Required Thinning Results

1. **Best Tree Thinning**

- Best Tree in competitive area method is being used in selecting leave trees with the Species preference as follows:
 - Species preference, priority and percent → **WL, WP, PP, LP**, RC, DF, GF, WH
 - **Bold** tree species should represent greater than 50% of the species composition post treatment.
- With an average of 225 trees per acre, the plots should have a minimum of 3 trees or a maximum of 6 trees per 1/50th acre plot. Maximum number of Category C small trees per acre not to exceed 35.

2. **Special Treatments:**

- **Leave all hardwoods**
- **Keep roads, ditches, and culverts clear of slash, pull back 10 feet from culverts.**
- **Thinning slash not to exceed a height of 18 inches, buck the slash to 5 foot lengths if necessary to achieve required slash height.**
- **Leave ALL conifers greater than 8 inches diameter at stump height.**

SILVICULTURAL SUMMARY PRESCRIPTION

Unit # L

Location: Dry Creek; Refer to Contract Area Map

Stand Description

Stand Number: 703.01.109

Acres: 5

Avg. Slope: <10 %

Elevation: 2560 ft.

Avg. Aspect: East

Legal: Sec 29 T28N R33W

Boundary: Red and White Candy Stripe Flagging

Access: Access on road# 1118 Dry Creek RD and then off the 1118A spur road, short walk in, approximately 30 miles from Trout Creek.

Insect, Disease and Damage:

Snow Damage: -- Select upright trees with straight stems to prevent future damage.

Western Gall Rust: -- All lodgepole pine and ponderosa pine with rust infection on the bole shall be cut. A tree with infection on the limbs may be considered as a leave tree if it is the best tree and no other trees are available to leave.

Blister Rust: -- Prune ALL white pine to a height of 8 feet or 50% of the total height, whichever is less. Must leave at least 4 live branch whorls.

Dwarf mistletoe: -- Select leave trees with a hawksworth rating of 2 or less.

Silvicultural Goal and Desired Condition

The stand shall be thinned to an **average of 225** trees per acre, not counting trees less than a minimum cut height of **24** inches. All trees over **36** inches height can be considered as leave trees if best for that species in the Competitive Area. The estimated percent of crop / leave tree selection as designated under Best Tree Thinning below is a guide and will be controlled by available trees, leave tree selection, and preference list, but should be a guide to a good species mix in the stand. Do not close up spacing or increase the number of trees next to openings.

Required Thinning Results

1. **Best Tree Thinning**

- Best Tree in competitive area method is being used in selecting leave trees with the Species preference as follows:
 - Species preference, priority and percent → **WL, WP, PP, LP**, RC, DF, GF, WH
 - **Bold** tree species should represent greater than 50% of the species composition post treatment.
- With an average of 225 trees per acre, the plots should have a minimum of 3 trees or a maximum of 6 trees per 1/50th acre plot. Maximum number of Category C small trees per acre not to exceed 35.

2. **Special Treatments:**

- **Leave all hardwoods**
- **Keep roads, ditches, and culverts clear of slash, pull back 10 feet from culverts.**
- **Thinning slash not to exceed a height of 18 inches, buck the slash to 5 foot lengths if necessary to achieve required slash height.**
- **Leave ALL conifers greater than 8 inches diameter at stump height.**

SILVICULTURAL SUMMARY PRESCRIPTION

Unit # M

Location: Dry Creek; Refer to Contract Area Map

Stand Description

Stand Number: 703.01.108

Acres: 6

Avg. Slope: <10 %

Elevation: 2560 ft.

Avg. Aspect: East

Legal: Sec 29 T28N R33W

Boundary: Red and White Candy Stripe Flagging

Access: Access on road# 1118 Dry Creek RD and then off the 1118A spur road, short walk in, approximately 30 miles from Trout Creek.

Insect, Disease and Damage:

Snow Damage: -- Select upright trees with straight stems to prevent future damage.

Western Gall Rust: -- All lodgepole pine and ponderosa pine with rust infection on the bole shall be cut. A tree with infection on the limbs may be considered as a leave tree if it is the best tree and no other trees are available to leave.

Blister Rust: -- Prune ALL white pine to a height of 8 feet or 50% of the total height, whichever is less. Must leave at least 4 live branch whorls.

Dwarf mistletoe: -- Select leave trees with a hawksworth rating of 2 or less.

Silvicultural Goal and Desired Condition

The stand shall be thinned to an **average of 225** trees per acre, not counting trees less than a minimum cut height of **24** inches. All trees over **36** inches height can be considered as leave trees if best for that species in the Competitive Area. The estimated percent of crop / leave tree selection as designated under Best Tree Thinning below is a guide and will be controlled by available trees, leave tree selection, and preference list, but should be a guide to a good species mix in the stand. Do not close up spacing or increase the number of trees next to openings.

Required Thinning Results

1. **Best Tree Thinning**

- Best Tree in competitive area method is being used in selecting leave trees with the Species preference as follows:
 - Species preference, priority and percent → **WL, WP, PP, LP**, RC, DF, GF, WH
 - **Bold** tree species should represent greater than 50% of the species composition post treatment.
- With an average of 225 trees per acre, the plots should have a minimum of 3 trees or a maximum of 6 trees per 1/50th acre plot. Maximum number of Category C small trees per acre not to exceed 35.

2. **Special Treatments:**

- **Leave all hardwoods**
- **Keep roads, ditches, and culverts clear of slash, pull back 10 feet from culverts.**
- **Thinning slash not to exceed a height of 18 inches, buck the slash to 5 foot lengths if necessary to achieve required slash height.**
- **Leave ALL conifers greater than 8 inches diameter at stump height.**

SILVICULTURAL SUMMARY PRESCRIPTION

Unit # N

Location: Dry Creek; Refer to Contract Area Map

Stand Description

Stand Number: 703.01.099

Acres: 120

Avg. Slope: 0 %

Elevation: 2560 ft.

Avg. Aspect: North

Legal: Sec 29 T28N R33W

Boundary: Red and White Candy Stripe Flagging

Access: Access on road# 1118 Dry Creek RD and then off the 1118A spur road, approximately 30 miles from Trout Creek.

Insect, Disease and Damage:

Snow Damage: -- Select upright trees with straight stems to prevent future damage.

Western Gall Rust: -- All lodgepole pine and ponderosa pine with rust infection on the bole shall be cut. A tree with infection on the limbs may be considered as a leave tree if it is the best tree and no other trees are available to leave.

Blister Rust: -- Prune ALL white pine to a height of 8 feet or 50% of the total height, whichever is less. Must leave at least 4 live branch whorls.

Dwarf mistletoe: -- Select leave trees with a hawksworth rating of 2 or less.

Silvicultural Goal and Desired Condition

The stand shall be thinned to an **average of 134** trees per acre, not counting trees less than a minimum cut height of **24** inches. All trees over **36** inches height can be considered as leave trees if best for that species in the Competitive Area. The estimated percent of crop / leave tree selection as designated under Best Tree Thinning below is a guide and will be controlled by available trees, leave tree selection, and preference list, but should be a guide to a good species mix in the stand. Do not close up spacing or increase the number of trees next to openings.

Required Thinning Results

1. **Best Tree Thinning**

- Best Tree in competitive area method is being used in selecting leave trees with the Species preference as follows:
 - Species preference, priority and percent → **WL, WP, PP, ES, RC, DF, LP, WH, SAF, GF, MH**
 - **Bold** tree species should represent greater than 50% of the species composition post treatment.
- With an average of 134 trees per acre, the plots should have a minimum of 2 trees or a maximum of 3 trees per 1/50th acre plot. Maximum number of Category C small trees per acre not to exceed 35.

2. **Special Treatments:**

- **Leave all hardwoods**
- **Keep roads, ditches, and culverts clear of slash, pull back 10 feet from culverts.**
- **Thinning slash not to exceed a height of 18 inches, buck the slash to 5 foot lengths if necessary to achieve required slash height.**
- **Leave ALL conifers greater than 8 inches diameter at stump height.**

PROJECT 002 (MANDATORY)

FUELS REDUCTION

The Contractor shall perform Slashing, Hand, and Machine Piling:

GENERAL SPECIFICATIONS

ITEM 1 – SLASHING

The Contractor's Technical Proposal shall include a Work Plan and Production Schedule describing the workforce to be provided and production rates to be achieved in order to meet the performance schedule.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana.

(A) - Project Location. Refer to Sale Area Map and the Summary of Fuel Treatment Units.

(B) - Accessibility. Most areas are accessible from approximately **June 16 through October 15**. Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

Units that are accessible by vehicle can be reached with a 2-wheel drive vehicle. Some roads may be brushy but are still drivable. Depending on weather and road conditions, some units may require high-clearance and/or 4-wheel drive vehicles.

(C) - Boundaries. Units will be flagged with **Red /White Candy Stripe** flagging. Aerial photos and/or photocopies of the units will be available for inspection to assist the Contractor with unit boundaries. If areas are unclear and not adequately flagged, the contractor may ask the COR to re-flag specific areas.

SUMMARY OF FUEL TREATMENT UNITS

	Mandatory Stewardship Project 002 - Fuel Reduction	UOM	Est Qty
002-1	Machine Pile - Unit O	Acres	26
002-2	Slashing - Unit P	Acres	33
002-3	Hand Pile - Unit P	Acres	33
002-4	Hand Pile - Unit Q	Acres	35

TECHNICAL SPECIFICATIONS

SCOPE OF CONTRACT. This contract requires machine pile work in compliance with its terms, specifications, and provisions. This includes furnishing labor, equipment, supervision, transportation, operating supplies, and incidentals except those items listed as Government-furnished property.

In all cutting units in which slashing is substantially completed by **July 15th**, purchaser's slash disposal and site preparation responsibilities shall be completed by **August 15th** of the same year.

In cutting units in which slashing is substantially completed by **September 30th** or any time outside of the Normal Operating Season, purchaser's slash disposal responsibilities shall be completed within the first 30 days of the next Normal Operating Season.

MACHINE PILING- EQUIPMENT SPECIFICATIONS Machine piling shall be accomplished with an excavator equipped with an approved bucket with thumb or other attachment designed for fuel reduction and approved by the Forest Service. Machines used to pile must be capable of meeting the desired trees per acre/ spacing requirements. The size of machine must be appropriate so not to damage residual trees and not cause excessive soil displacement.

Slashing – Unit P

Purchaser shall slash **Unit P**. Purchaser shall fell all live coniferous vegetation with a maximum stump height diameter of **6** inches and a minimum **18** inches in height. Stump height shall not exceed **6** inches from ground surface as measured on the uphill side. Trees shall be completely severed from the stump.

Material to be slashed within the boundary of the units shall be felled toward the center of the unit. Any material which falls outside of the unit shall be returned to a minimum of **10** feet inside of the boundary. All roads within these units shall be kept free of slashed material. Slashed vegetation shall be felled along the contour as much as possible for water runoff soil movement protection.

Hand Piling – Unit P, Q

In **Units P,Q** Contractor shall construct hand piles with material from fuel concentrations in conjunction with the resulting debris from fuels generated during the required removal of ladder fuels.

Slash to be piled includes material from **3** inch in diameter and greater at the large end, having a minimum length of **5** feet.

Boles of trees from **≥4** inch in diameter at the large end, to **3** inch diameter on the small end, are to be left, on the ground, on site.

Piles shall be constructed reasonably compact and free of soil to facilitate burning. Piles shall also be constructed with enough fine material (less than **1** inch in diameter), such as twigs and needles to easily ignite and burn the pile. All piles should have a good base to prevent the pile from toppling. Piles will not be made on downed logs or stumps. Material in piles will be orientated in one direction and not "teepee" shaped. (**See Figure 3**).

Piles will be a minimum height of **4** feet and not more than **6** feet in width. Piles shall be placed no closer than **20** feet from the outside perimeter of the unit, system roads, wet areas, or other areas designated on the ground by the Forest Service. No pile shall be closer than **4** feet from any standing reserve trees.

If conditions make it impractical to locate piles so that damage to residual green trees can be avoided, an area designated by the Forest Service will be cleared and used as a piling area. All piles should have a good base to prevent the pile from toppling. Piles will not be made on downed logs or stumps.

HANDPILE COVERING:

In **Units P,Q**, the Contractor shall cover all piles within the pre-identified handpile units with waterproof material. A minimum of **(16 square feet of each pile or a minimum of 75 percent of the surface area)** shall be covered. This covering shall be placed over the center of the pile, preferably between $\frac{1}{2}$ and $\frac{3}{4}$ the height of the pile. Pieces of branch wood shall be placed on top of the covering to secure it. The material used to cover the piles will not violate the State of Idaho and Montana rules for control of open burning. Such things as plastics, tar paper, asphalt material, and so forth, do not meet the open burning rules. (**See Figure 3**).

The material used to cover piles shall be supplied by the purchaser.

In **Units P,Q**, the Contractor shall leave **3-6** tons/acre of downed woody debris (DWD) where material is available. DWD shall be a minimum of **4** inches in diameter or greater on the large end and at least **5** feet in length. Unsound, decomposing pieces are to also be left on site.

In **Units P,Q**, boundaries are marked with **Red/White candy stripe** flagging. The Contractor shall inform the Forest Service of any unidentified wet areas in fuel reduction units prior to treatment.

Road prisms shall be kept clear of thinning slash on access and other roads indicated on the project work maps.

All drainage facilities and ditches shall be kept clear of thinning slash for a distance of five (5) feet on each side.

Machine Piling – Unit O

In **Unit: O**, Contractor shall construct equipment piles with material resulting from fuels generated during the required pre-commercial thinning and residual logging activities. Accumulations of fuels will be defined as fuels concentrations at or over one-tenth (1/10th) acre that could create a pile not less than **4** feet in height and **6** feet in width.

Slash to be piled includes material from **3** inch in diameter and greater at the large end, having a minimum length of **5** feet.

Boles of trees from **≥4** inch in diameter at the large end, to **3** inch diameter on the small end, are to be left, on the ground, on site.

In **Unit N**, piles shall be compact, free of soil and of sufficient size to facilitate burning. Piles will be a minimum height of **4** feet and not more than **6** feet in width. Piles shall be placed no closer than **20** feet from the outside perimeter of the unit, system roads, wet areas, or other areas designated on the ground by the Forest Service. No pile shall be closer than **4** feet from any standing reserve trees.

If conditions make it impractical to locate piles so that damage to residual green trees can be avoided, an area designated by the Forest Service will be cleared and used as a piling area. All piles should have a good base to prevent the pile from toppling. Piles will not be made on downed logs or stumps

NOXIOUS WEEDS/EQUIPMENT CLEANING

In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species in/out the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in NA prior to the equipment leaving the NA. Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

FIRE PRECAUTIONS

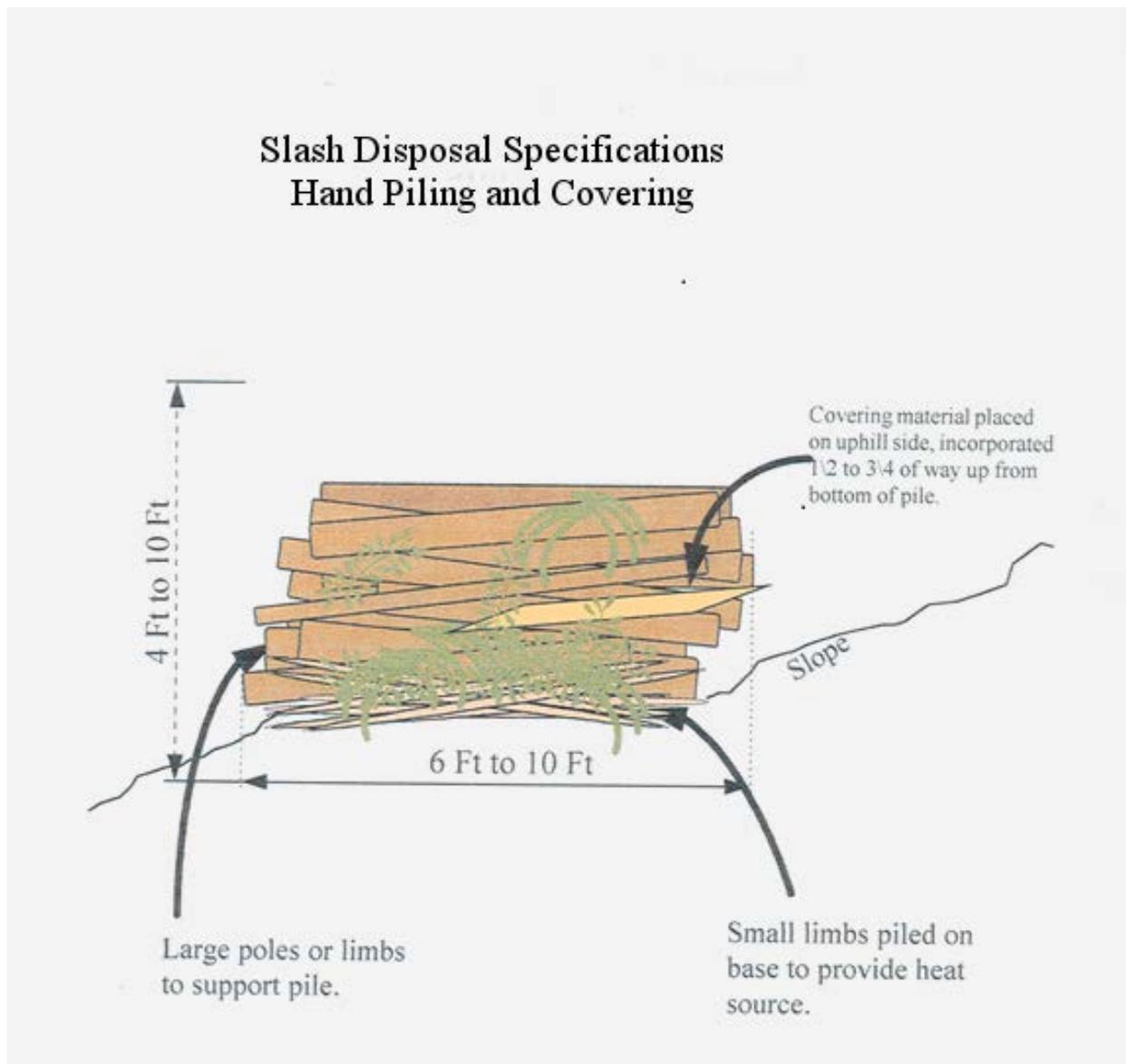
Contractor shall comply with specific fire precautionary measures set forth in K-H.2 – Normal Precautions.

CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

(a) – **Measurement.** Accepted work will be measured by individual unit.

(b) – **Stewardship Credits.** Stewardship Credits will be made for the completed and accepted unit.



PROJECT 004 (MANDATORY)

NOXIOUS WEED TREATMENT

GENERAL SPECIFICATIONS

ITEM 1 – NOXIOUS WEED TREATMENT

The Contractor shall perform general Noxious Weed Treatment.

The Contractor's Technical Proposal shall include a Work Plan and Production Schedule describing the workforce to be provided and production rates to be achieved in order to meet the performance schedule.

SCOPE OF CONTRACT. This contract requires herbicide application for noxious weed control in compliance with its terms, specifications and provisions. This includes furnishing all licenses, supervision, personnel, personal protective equipment, transportation, equipment, chemicals, operating supplies, mobilization, and all elements required to perform the work except those listed as Government-furnished property. ***The Contractor shall also furnish the herbicides, surfactants and dyes.*** Methods of herbicide application may include: **vehicle-mounted spray tanks, ATV-mounted spray tanks and backpack spray tanks.** In project areas, noxious weed infestations occur in densities from a few occasional plants to continuous coverage.

LOCATION AND DESCRIPTION. The work is located on the Cabinet District of the Kootenai National Forest, Sanders County, Montana.

(A) - Project Location. Refer to Sale Area Map and Summary of Weed Treatment Areas for treatment locations.

(B) - Accessibility. Most areas are accessible from approximately **June 16 through October 15**. Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

Items 1-4 are accessible by vehicle.

Items 5,6 will require a backpack sprayer.

Moving of Equipment and Supplies. The moving of equipment and supplies between job sites defined in each item shall be the Contractor's responsibility.

Replacement of Equipment. Contractor shall provide quality equipment capable of safely performing the work under the terms of the contract. If equipment is rejected because it does not meet minimum requirements, including but not limited to safety and operability, or if it becomes inoperative, the Contractor shall correct the deficiencies or furnish replacement equipment meeting contract requirements within 2 days. All repairs are the total responsibility of the Contractor. Contractor shall not be compensated for mobilization of replacement equipment.

PERFORMANCE SPECIFICATIONS

WORK OBJECTIVES

The roads shown in the table below and being used by the Purchaser shall be treated with herbicide to remove seed-bearing noxious weeds.

Purchaser shall:

A. Include a schedule for herbicide treatment of noxious weeds as part of the Annual Operating Schedule.

B. Treat roads or road segments required to have noxious weeds treated between May and September, unless otherwise agreed in writing.

C. Follow the “TECHNICAL SPRAYING SPECIFICATIONS”.

Treatment shall consist of spot applications that target those noxious weeds identified on the State of Montana Noxious weed list that occur within the right-of-way/clearing limits of the road, this includes the running surface and turnouts on the roads listed below. In most cases the right-of-way/clearing limits of the road extend from the toe of the fill to the top of the cut.

Items 5, 6 all disturbed areas will be treated. Reasonable care shall be exercised to limit application so that spraying does not contact native forbs, grasses, herbs, and trees.

SUMMARY OF WEED TREATMENT AREAS

Item	Road Number(s)	Road Termini MP to MP	Herbicide	Prehaul	Posthaul	Vehicle Access
1	1118	0.0 – 1.87	Milestone 2,4 - D	NO	YES	YES
2	1118A	0.0 – 1.55	Milestone 2,4 - D	NO	YES	YES
3	14356	0.0 - 0.84	Milestone 2,4 - D	NO	YES	YES
4	14611	0.0 – 0.23	Milestone 2,4 - D	NO	YES	YES
5	Project 005 Landing Pile Removal	1 Ac.	Milestone 2,4 - D	NO	YES	NO
6	Project 006 Road Obliteration	.65 Miles	Milestone 2,4 - D	NO	YES	NO
7	All temp Roads (K-F.1.0.2)	2.5 Miles	Milestone 2,4 - D	NO	YES	NO

TECHNICAL SPECIFICATIONS

1. The following herbicides are approved for use on the Kootenai National Forest by the KNF Invasive Plant Management Record of Decision. All herbicide applications shall follow EPA label requirements.

Herbicide (Common Name)	1.0 2.0 <i>Herbicide</i> 3.0 <i>(Trade Name)</i>
Milestone	Aminopyralid or approved equal
Picloram	Tordon 22K or approved equal.
Dicamba	Vanquish or approved equal.
Clopyralid + 2,4-D	Curtail or approved equal.
Glyphosate	Roundup or approved equal.
Clopyralid	Transline or approved equal.
Dicamba + 2,4-D	Weedmaster or approved equal.
2,4-D	Weedar 64 or approved equal.
Metsulfuron	Escort or approved equal.
Triclopyr	Garlon 3A or approved equal.
Imazapic	Plateau or approved equal.
Sulfometuron	Oust or approved equal.

2. Target species to be treated are:

- St. Johnswort (*Hypericum perforatum*)
- Spotted knapweed (*Centaurea maculosa*)
- Sulfur cinquefoil (*Potentilla rectum*)
- Yellow hawkweed (*Hierachium pratense*)
- Orange hawkweed (*Hierachium aurantiacum*)
- Common speedwell (*Veronica officianalis*)
- Oxeye daisy (*Chrysanthemum leucanthemum*)
- Canada thistle (*Cirsium arvense*)
- Rush Skeleton Weed (*Chondrilla juncea*)

3. The Purchaser shall give the Forest Service a 48-hour notification prior to spraying.

4. Spraying will be done by a State of Montana licensed commercial applicator, and only by personnel under the direct supervision of the licensed applicator.

5. The following herbicides and application rates are approved for use, and are the only authorized methods of weed treatment under this contract provision. All use of herbicides and surfactants shall follow EPA label requirements.

Common Name	Trade name(s)	Application Rate (lbs active ingredient/ acre or oz/ac)
Milestone	Aminopyralid	5 oz/ac.
2,4 - D	Amine	16 oz/ac.

6. For treatments from **May** to **September**, surfactants that cause herbicide to adhere to the plant (stickers) shall be applied with herbicides.

7. No spraying of **Milestone and 2,4 – D** will take place within **15** feet of water. Treatment within **15** feet of water can only be done with herbicides labeled for treatment of aquatics, unless otherwise approved in writing by the Forest Service. No spray shall come in contact with open water at any time.

8. No spraying shall occur when rain is expected within six (6) hours of completion of the treatment.

9. Nozzles shall be made of stainless steel or ceramic material.

10. All equipment shall be in good mechanical condition and will be inspected prior to work. The spray pattern, application rates, and calibration shall also be checked before beginning the job and thereafter as deemed necessary by the Forest Service.

11. A tight-fitting lid on all spray tanks is mandatory.

12. Mixing, loading, and equipment cleaning shall be done more than 200 feet from private land or open water. Mixing and cleaning water shall come from public or cooperator supplies, and shall be transported to the site in labeled containers separate from water used for other purposes. On-site locations for water drafting must be approved in advance by the Forest Service. Equipment used to draft water from creeks or rivers must be equipped with anti-back siphoning devices.

13. Weather conditions shall be monitored before and during all spraying projects. Spraying is NOT allowed when any of the following conditions exist:

Hand-held equipment: temperature greater than 95 degrees F.; humidity less than 20 percent, or wind greater than 5 MPH.

Truck-mounted equipment: temperature greater than 95 degrees F.; humidity less than 20 percent; or wind greater than 5 MPH

14. Herbicides shall be transported daily to the project site with the following conditions: Transport only the quantity needed for that day's work; transport concentrate containers only in a manner that will prevent spills; and transport spray in a compartment that is isolated from food, clothing, and safety equipment.

15. The Purchaser shall inspect equipment daily for leaks.
16. The Purchaser shall remove all herbicide containers from national forest land and dispose of them in accordance with all local, state, and federal requirements
17. Applicators will complete a daily pesticide application report as required by the US Forest Service Department of Agriculture. Applicators will use the daily pesticide application report form provided by the Forest Service. Daily application reports shall be submitted to the Forest Service within 10 days of application.

INSPECTION AND ACCEPTANCE REQUIREMENTS

- (a) Inspection Procedure. The Government will inspect application procedures and the areas sprayed as the work proceeds to ensure that treatment areas are fully covered. The Government will also periodically inspect spray equipment and the mixing of chemicals. Depending on the timing of herbicide application, final inspections will occur within 10 to 20 calendar days after completion of a division. For applications occurring from April to June, final inspections will be done within 10 calendar days. For applications occurring during July, final inspections will be done within 15 calendar days. For applications occurring from August to September, final inspections will be done within 20 calendar days.
- (b) Visual inspection of the target species, noxious weeds, will occur. Ninety percent (90%) or greater death of target species will be considered acceptable by the Government. Less than 90% death of target species will entail rework of the untreated area by the contractor with the original prescribed herbicide. Rework shall be performed at the next available opportunity and as agreed to by the Government. All rework will be at the contractor's expense.

CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

- (a) – **Measurement.** Accepted work will be measured by individual divisions.
- (b) – **Stewardship Credits.** Stewardship Credits will be made for completed and accepted divisions.

PROJECT 005 (MANDATORY)

LANDING PILE REMOVAL

GENERAL SPECIFICATIONS

ITEM 1 – LANDING PILE REMOVAL

The Contractor shall perform general Landing Pile Removal.

The Contractor's Technical Proposal shall include a Work Plan and Production Schedule describing the workforce to be provided and production rates to be achieved in order to meet the performance schedule.

SCOPE OF CONTRACT. This contract requires landing pile removal work in compliance with its terms, specifications, and provisions. This includes furnishing labor, equipment, supervision, transportation, operating supplies, and incidentals except those items listed as Government-furnished property.

The intent of this contract is to remove landing piles in **Unit 9** (est: 2 piles) to reduce the soil disturbance and to limit the introduction of invasive weeds. The piles are to be removed to a disposal site designated on the Contract Area Map.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana.

(A) - Project Location. Refer to Sale Area Map for **Unit 9** and **Disposal Site** location.

(B) - Accessibility. Most areas are accessible from approximately **June 16 through October 15**. Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

Moving of Equipment and Supplies. The moving of equipment and supplies between job sites defined in each item shall be the Contractor's responsibility.

Replacement of Equipment. Contractor shall provide quality equipment capable of safely performing the work under the terms of the contract. If equipment is rejected because it does not meet minimum requirements, including but not limited to safety and operability, or if it becomes inoperative, the Contractor shall correct the deficiencies or furnish replacement equipment meeting contract requirements within 2 days. All repairs are the total responsibility of the Contractor. Contractor shall not be compensated for mobilization of replacement equipment.

PERFORMANCE SPECIFICATIONS

WORK OBJECTIVES

Contractor shall remove all limbs and pieces of woody material **5 feet** in length and **3 inches** in diameter on the large end to the disposal site shown on Sale Area Map. Leftover bark material shall be spread over disturbed area limiting exposed bare soil. Landing area shall have noxious weeds treated as specified in Noxious Weed Treatment Mandatory 003. This work shall happen before the ending period of the **State of Montana Department of Transportation Driveway Approach Application Permit.**

NOXIOUS WEEDS/EQUIPMENT CLEANING

In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species in/out the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in **N/A** prior to the equipment leaving the . Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours' notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

FIRE PRECAUTIONS

Contractor shall comply with specific fire precautionary measures set forth in **K-H.2 – Normal Precautions.**

CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

(a) – Measurement. Accepted work will be measured by individual landing area.

(b) – Stewardship Credits. Stewardship Credits will be made for completed and accepted landing areas.

PROJECT 006 (MANDATORY)

ROAD OBLITERATION

The Contractor shall perform general Road Obliteration:

- Item 1 – Road Obliteration
- Item 2 – Sign Installation

GENERAL SPECIFICATIONS

ITEM 1 – ROAD OBLITERATION

The Contractor's Technical Proposal shall include a Work Plan and Production Schedule describing the workforce to be provided and production rates to be achieved in order to meet the performance schedule.

SCOPE OF CONTRACT. This contract requires road obliteration work on temporary roads in compliance with its terms, specifications, and provisions. This includes furnishing labor, equipment, supervision, transportation, operating supplies, and incidentals except those items listed as Government-furnished property.

The intent of this contract is to improve soil conditions by reducing soil compaction and to improve wildlife security by removing motorized access.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana.

(A) - Project Location. Refer to Sale Area Map for locations of each road to be obliterated. (Item 1 and 2)

(B) - Accessibility. Most areas are accessible from approximately **June 16 through October 15**. Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

Moving of Equipment and Supplies. The moving of equipment and supplies between job sites defined in each item shall be the Contractor's responsibility.

Replacement of Equipment. Contractor shall provide quality equipment capable of safely performing the work under the terms of the contract. If equipment is rejected because it does not meet minimum requirements, including but not limited to safety and operability, or if it becomes inoperative, the Contractor shall correct the deficiencies or furnish replacement equipment meeting contract requirements within 2 days. All repairs are the total responsibility of the Contractor. Contractor shall not be compensated for mobilization of replacement equipment.

SUMMARY OF ROAD OBLITERATION

Item	Length
1A	.25
1B	.40

TECHNICAL SPECIFICATIONS

Roads shall be scarified by the Contractor as shown on Contract Area Map.

1. Scarification shall span the width of the compacted areas and shall be done to a depth of not less than **3** inches, but not to exceed a depth of **6** inches, and must effectively prepare the ground for seeding.

Scarification shall be done during the period **July 16 to October 15** unless otherwise approved. No scarification work shall be done during wet weather or when the ground is frozen or otherwise unsuitable.

2. A minimum of **12** Tons and a maximum of **15** Tons of woody material will be left evenly distributed on each acre (where available). Woody material will be over **6** inches in diameter on the small end and over **8** feet in length.
3. Following completion of scarification noxious weed treatment will occur according to Noxious Weed Treatment Mandatory 004.
4. Following completion of DWD requirements, Contractor shall seed and fertilize all exposed areas of raw soil on decommissioned roads.

Seed shall be spread evenly at the rate of 26 pounds of seed per acre. When seed is applied in separate operations, the second operation shall be carried out within 72 hours of the first.

Application shall be during the period **September 15 to November 30** and under the above specified conditions unless otherwise approved.

The kinds and amounts of seed to be sown in terms of pure live seed (PLS) shall be:

Species of Seed	PLS Pounds per Acre
Blue Wildrye	8
Bluebunch Wheatgrass	4
Slender Wheatgrass	4
Mountain Brome	4
Annual Rye	6
Total:	26

Purchaser shall provide to the Forest Service:

1. Blue tags, or copies of blue tags from each seed lot used in the specified mix. Only certified, blue-tagged seed shall be used. The blue tag represents a field certification and serves as evidence of the genetic purity and varietal identity of the seed contained in the seed lot.
2. Labels which indicate the percentage composition of the various species in the seed mix.

3. Copies of Seed Analysis Reports from a certified seed analyst for each seed lot used in the specified mix. Purchaser will obtain this report from the seed provider. Seed Analysis Reports must include at a minimum, content of any noxious weed seeds listed on the current "State of Montana Noxious Weeds List". Only after the Forest Service has verified that this report indicates the seed does not contain any weeds on the current "State of Noxious Weeds List", will the seed be accepted and used.

NOXIOUS WEEDS/EQUIPMENT CLEANING

In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species in/out the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in NA prior to the equipment leaving the NA. Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

FIRE PRECAUTIONS

Contractor shall comply with specific fire precautionary measures set forth in K-H.2 – Normal Precautions.

CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

(a) – Measurement. Accepted work will be measured by completed road obliteration project.

(b) – Stewardship Credits. Stewardship Credits will be made for completed and accepted project.

MANDATORY STEWARDSHIP PROJECT 006

GENERAL SPECIFICATIONS

ITEM 2 – SIGN INSTALLATION

SCOPE OF CONTRACT. This contract requires purchase and installation of carsonite signs and informative decals in compliance with its terms, specifications, and provisions. This includes furnishing labor, equipment, supervision, transportation, operating supplies, and incidentals except those items listed as Government-furnished property.

The intent of this contract is to improve the quality of wildlife security and soil displacement by informing the public of existing closures.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana.

(A) - Project Location. Refer to Contract Area Map and Summary of Signs for sign installation (8) at locations of **K-F.4.1# Closures To Be Closed** and **K-F.1.0.2# Construction Of Temporary Roads.** Exact locations will be determined upon construction of earth barriers.

(B) - Accessibility. Most areas are accessible from approximately **June 16 through October 15**. Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

Moving of Equipment and Supplies. The moving of equipment and supplies between job sites defined in each item shall be the Contractor's responsibility.

Replacement of Equipment. Contractor shall provide quality equipment capable of safely performing the work under the terms of the contract. If equipment is rejected because it does not meet minimum requirements, including but not limited to safety and operability, or if it becomes inoperative, the Contractor shall correct the deficiencies or furnish replacement equipment meeting contract requirements within 2 days. All repairs are the total responsibility of the Contractor. Contractor shall not be compensated for mobilization of replacement equipment.

PERFORMANCE SPECIFICATIONS

WORK OBJECTIVES

- (a) Sign Purchase.** Contractor shall be responsible for purchasing items in summary of signs and decals. **All signs, sign posts and decals shall follow “Manual on Uniform Traffic Control Devices” Guidelines**

SUMMARY OF SIGNS

Sign	Quantity	Sign #	Material	Type	Location
No Motorized Cross-County travel yearlong	1	FR5-13 (Black & White)	Aluminum	Type III, HIP	MP .10
ATV W/ red slash through it	7	TM-2	Decal	Type III, HIP	K-F.4.1# K-F.1.0.2#
Motorcycle W/ red slash through it	7	TM-2	Decal	Type III, HIP	K-F.4.1# K-F.1.0.2#
Carsonite - Dual sided marker	7	CIB307203 - 6'	Fiberglass	Brown	K-F.4.1# K-F.1.0.2#

CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

(a) – Measurement. Accepted work will be measured by complete sign installation.

(b) – Stewardship Credits. Stewardship Credits will be made for the completed and accepted project.

PROJECT 003 (OPTIONAL)

ROAD MAINTENANCE

The Contractor shall perform general road maintenance:

- Item 1 – Mastication
- Item 2 – Drainage Dips
- Item 3 – Roadway Reconditioning

Refer to the Performance Schedule and Restricted Operations table for a detailed listing of roads, treatment schedule and timing restrictions.

The Contractor’s Technical Proposal shall include a Work Plan and Production Schedule describing the workforce to be provided and production rates to be achieved in order to meet the performance schedule.

PROJECT 003 (OPTIONAL)

ROAD MAINTENANCE

GENERAL SPECIFICATIONS

ITEM 1 – MASTICATION

SCOPE OF CONTRACT. The performance based services covered in this solicitation and resultant contract require the Contractor to furnish of all labor, equipment, supervision, transportation, operating supplies, and incidentals necessary to perform mastication and clearing on roads specified herein, in compliance with the terms, specifications, and conditions stated herein.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana.

(A) - Project Location. Refer to Sale Area Map and the Performance Schedule and Restricted Operations Table for locations of individual roads.

(B) - Accessibility. Most areas are accessible from approximately **June 16 through October 15**. Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

Moving of Equipment and Supplies. The moving of equipment and supplies between job sites defined in each item shall be the Contractor's responsibility.

Replacement of Equipment. Contractor shall provide quality equipment capable of safely performing the work under the terms of the contract. If equipment is rejected because it does not meet minimum requirements, including but not limited to safety and operability, or if it becomes inoperative, the Contractor shall correct the deficiencies or furnish replacement equipment meeting contract requirements within 2 days. All repairs are the total responsibility of the Contractor. Contractor shall not be compensated for mobilization of replacement

PERFORMANCE SPECIFICATIONS

(a) **Clearing and Mastication.** The area to be cleared and brushed is the entire road prism as well as cut/fill slopes, shown on Exhibit A - Typical Clearing Details. This area includes turnouts and curve widening. This area is to be cleared of all trees 6 inches diameter or less, without exception, at stump height, all brush, limbs on trees outside the clearing area which obtrude upon the clearing area, all downed trees which are within or obtruding upon the clearing area, and all vegetative material within or obtruding upon the clearing area. Vegetative material (alive or dead) includes grass, weeds, residual brush, live brush and trees. Brush and trees shall be cut off and completely severed from the stump no higher than 6 inches above the ground or rocks and other obstructions when encountered. Limbs cut from trees which will remain standing shall be severed as close to the trunk as practical. Maximum stump/cut heights may only increase while transitioning over obstacles and only for a maximum distance equal to the length of the mower head before and after the obstacle. Additional clearing shall be required as shown on the exhibit to obtain sight distance.

(b) **Disposal.** Slash with a length greater than 36 inches (diameter less than 2 inches) or with a length greater than 24 inches (diameter greater than 2 inches), is to be scattered on the downhill fill slope so as not to produce concentration and shall not be deposited in watercourses. All slash shall be removed at the end of each work day.

(c) **Barricades, Warning Signs, and other Devices.** The Contractor shall provide, erect and maintain manufactured (not handmade) warning signs to read "MEN WORKING" or "ROAD MACHINERY AHEAD" at the beginning and end of the daily work area. All warning signs and/or other protective devices shall conform with Part VI of the Manual on Uniform Traffic Control Devices (2003 Edition) for Streets and Highways, published by the Federal Highway Administration and applicable safety codes. Through traffic must be maintained during brush and clearing operations.

OTHER CONSTRAINTS ON PERFORMANCE

(a) **Existing Facilities.** All existing facilities such as signs, cattleguards, and drainage structures damaged by the Contractor shall be replaced or repaired by the Contractor at no additional cost to the Government.

(b) **Motorized Equipment.** Use of motorized equipment other than hand held equipment such as powersaws and brush cutters shall not be permitted off designated roads in the project area without approval of the Contracting Officers Representative.

NOXIOUS WEEDS/EQUIPMENT CLEANING

In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species in/out the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in NA prior to the equipment leaving the NA. Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

INSPECTION AND ACCEPTANCE

- (a) – **Contractor Quality Control Inspection.** The Contractor shall ensure that performance meets contract specifications prior to requesting the Government to inspect for payment or acceptance.
- (b) – **Request for Government Inspection.** Upon completion of an entire road, or segment of road not less than 5 miles in length, the Contractor shall contact the Contracting Officer's Representative (ER) to set a mutually agreed upon date for inspection of completed work.
- (c) – **Acceptance.** Acceptance of the work under the contract will be made after the ER has made the determination of satisfactory compliance with the specifications. For acceptance purposes, complete segments as defined in (b) above, shall be satisfactorily completed before acceptance will be made. Acceptance will not be made for segments broken by unacceptable portions of work.

SPECIAL CONTRACT REQUIREMENTS

LOSS, DAMAGE, OR DESTRUCTION

Equipment furnished with operator. The Government shall not be liable for loss, damage, or destruction of equipment furnished under this contract except for such loss, damage, or destruction resulting from the negligent or wrongful act(s) of Government employee(s) while acting within the scope of their employment.

FIRE PRECAUTIONS

Contractor shall comply with specific fire precautionary measures set forth in K-H.2 – Normal Precautions.

CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

(a) – **Measurement.** Accepted work will be measured in miles to the nearest tenth mile along the centerline of the roadway, and shall include only those roads or road portions which are authorized under the contract and completed in accordance with the specifications. Measurement will be by a Forest Service vehicle. Mileage is per Exhibit A, and includes brush-cutting/tree-limbing both sides of the road, any brush growing on the road surface, removal of all downed trees, and debris removal as outlined above under Performance Requirements Summary.

(b) – **Stewardship Credits.** Stewardship Credits will be made for completed and accepted mileage to the nearest tenth of a mile, at the contract unit price per mile for the applicable item.

EXHIBIT A
TYPICAL CLEARING DETAILS

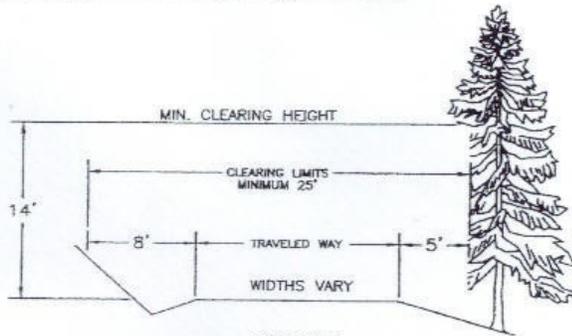


FIGURE 1

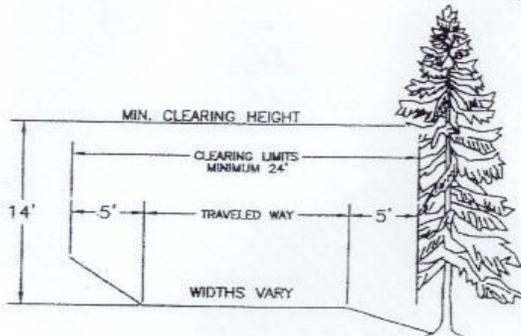


FIGURE 2

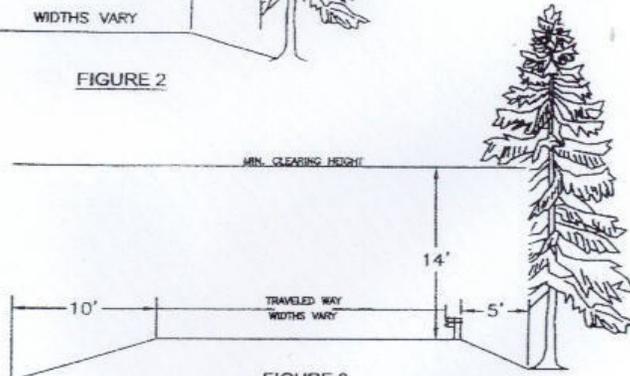


FIGURE 3
GUARDRAIL DETAIL

GENERAL SPECIFICATIONS

ITEM 2 – ROAD DRAINAGE DIPS

The Contractor shall perform general Road Drainage Dips:

The Contractor's Technical Proposal shall include a Work Plan and Production Schedule describing the workforce to be provided and production rates to be achieved in order to meet the performance schedule.

SCOPE OF CONTRACT. This contract requires constructing drainage dips in compliance with its terms, specifications, and provisions. This includes furnishing labor, equipment, supervision, transportation, operating supplies, and incidentals except those items listed as Government-furnished property.

The intent of this contract is to improve road surface drainage and reducing sediment delivery by constructing and reconstructing drainage dips where possible.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana.

(A) - Project Location. Refer to Sale Area Map and the Performance Schedule and Restricted Operations Table for locations of individual roads. **Exact locations will be determined at the time of construction.**

(B) - Accessibility. Most areas are accessible from approximately **June 16 through October 15**. Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

TECHNICAL SPECIFICATIONS

OBJECTIVES AND SCOPE OF CONTRACT. The Contractor shall perform construction and reconstruction of surface drainage dips on the road way. The services covered in this contract include the furnishing of all labor, equipment, supervision, transportation, operating supplies, and incidentals necessary to perform construction/reconstruct of surface drainage dips on roads specified herein, in compliance with the terms, specifications, conditions, and provisions of this solicitation.

Moving of Equipment and Supplies. The moving of equipment and supplies between job sites defined in each item shall be the Contractor's responsibility.

Replacement of Equipment. Contractor shall provide quality equipment capable of safely performing the work under the terms of the contract. If equipment is rejected because it does not meet minimum requirements, including but not limited to safety and operability, or if it becomes inoperative, the Contractor shall correct the deficiencies or furnish replacement equipment meeting contract requirements within 2 days. All repairs are the total responsibility of the Contractor. Contractor shall not be compensated for mobilization of replacement equipment.

Pollution and Erosion Control.

During all operations under this contract, the Contractor shall exercise reasonable measures to direct surface runoff water to stabilized waterways and to keep the drainage systems functioning effectively to prevent or minimize soil erosion and pollution of water and other resources.

Sidecasting of material smaller than 4 inches in diameter is prohibited on road segments within 300 feet of a stream. Material greater than 4 inches from surface or ditch maintenance will not be sidecast in locations where there is a potential to enter the stream. Large boulders may be sidecast.

All refuse, including garbage, rubbish, and solid or liquid wastes from the Contractor's operations, including camps, parking areas, and equipment maintenance areas shall be stored and collected in a sanitary manner and disposed of in a State-approved sanitary landfill. Oil from crankcases or gear boxes, equipment waste or spilled or excess fuel shall be placed in containers and removed from the work site and disposed of as approved and required by Federal, State and Local laws.

SIGNING AND PUBLIC SAFETY. The Contractor shall provide signs, other devices, and traffic control for occupied work areas in accordance with National standards as contained in Part VI of the Manual of Uniform Traffic Control Devices (MUTCD), current edition, and these specifications. All signs and devices remain the property and responsibility of the Contractor.

(a) - Traffic Conditions

2.7.1.1 - Roads shall be open to traffic.

2.7.1.2 - One lane roads shall be available for one lane channelized passage of traffic at all times unless approved in writing by the Contracting Officers Representative.

2.7.1.3 - Any unusual conditions created in the roadway that must be left overnight or on weekends due to weather conditions or breakdowns, such as a berm, shall be properly signed as a hazard and visibly illuminated at night.

(b) - Devices

(1) - The Contractor shall provide, erect, and maintain all necessary barricades, danger signals, detour and other signs, and take all necessary precautions for the protection of the work and safety of the public. All such barricades and signs shall be in accordance with the Manual of Uniform Traffic Control Devices (MUTCD), current edition, as published by the Federal Highway Administration, U.S. Department of Transportation.

(2) - As a minimum the Contractor shall provide two signs with stands, stating "Road Machinery Ahead". (See Attachment listed in Section J – MUTCD Designation W21-3). Signs shall be a minimum of 36 inches by 36 inches in size with 6-inch black letters on an orange retroreflective background. Signs shall be in good condition and lettering shall be legible. Signs shall be posted at the beginning and end of the daily work area before work begins. Homemade signs shall not be permitted.

(3) - Traffic approaching the work area from either direction or side approaches shall be warned by signing.

(4) - Signs shall at all times be within two miles of the operating equipment or personnel or as agreed with Contracting Officers Representative.

(5) - Hazards incidental to the work within or on the traveled way, shoulders, or turnouts shall be marked with hazard identification, illuminated beacons, or other MUTCD devices to safely guide road users through the area. Work shall be scheduled to provide for completion of segments on a daily basis.

(c) - Equipment

Vehicles and machinery not directly used in the maintenance operation shall be parked off the traveled way to minimize interference with the normal use of the road.

Damage to Structures. The Contractor is responsible for any damage caused by his/her personnel or equipment to any existing cattle guards, culverts, signs, and riprap protecting culvert inlets or fill slopes. Note that the sidecasting of aggregate meant to be a part of the road surface is considered damage and would be required repair/replacement at the sole expense of the Contractor. Repair to these structures shall be at the Contractor's expense.

Soil Moisture – Retention of Fines. Contractor is responsible to ensure that performance does not reduce the level of fines in the road surface. Therefore, operations may be suspended when soil moisture conditions are not favorable for obtaining a satisfactory result. Suitable moisture conditions are determined to be in excess of five (5) percent and less than 15 percent by weight unless otherwise authorized by the Contracting Officers Representative.

NOXIOUS WEEDS/EQUIPMENT CLEANING

In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species_ the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in **N/A** prior to the equipment leaving the **NA**. Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

INSPECTION AND ACCEPTANCE

(a) - **Contractor Quality Control Inspection.** The Contractor shall ensure that performance meets contract specifications prior to requesting the Government to inspect for payment or acceptance.

(b) – **Request for Government Inspection:** Upon completion of an entire item, the Contractor shall contact the Contracting Officer's Representative (ER) to set a mutually agreed upon date for inspection of completed work.

(c) - **Acceptance.** Acceptance of the work under the contract will be made after the ER has made the determination of satisfactory compliance with the specifications. For acceptance purposes, complete segments as defined in (b) above, shall be satisfactorily completed before acceptance will be made. Acceptance will not be made for segments broken by unacceptable portions of work.

SPECIAL CONTRACT REQUIREMENTS

LOSS, DAMAGE, OR DESTRUCTION

Equipment furnished with operator. The Government shall not be liable for loss, damage, or destruction of equipment furnished under this contract except for such loss, damage, or destruction resulting from the negligent or wrongful act(s) of Government employee(s) while acting within the scope of their employment.

FIRE PRECAUTIONS

Contractor shall comply with specific fire precautionary measures set forth in K-H.2 – Normal Precautions.

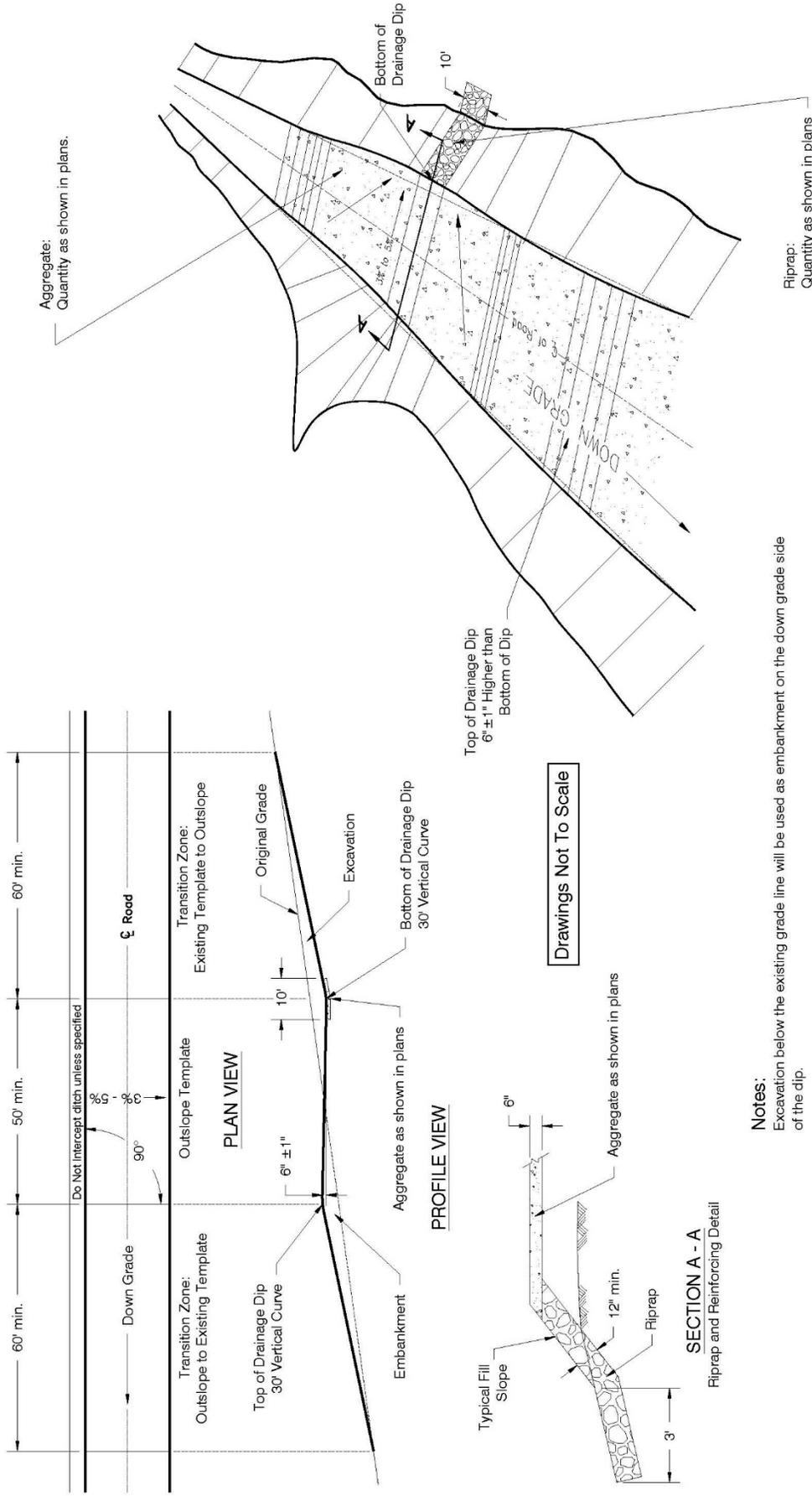
CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

(a) – **Measurement.** Accepted work will be measured by individual item.

(b) – **Stewardship Credits.** Stewardship Credits will be made for completed and accepted items.

Drain Dip Detail



- Notes:**
- Excavation below the existing grade line will be used as embankment on the down grade side of the dip.
 - All disturbances shall be kept within the limits of the Drainage Dip.
 - Aggregate, Dip Reinforcement, or Riprap will only be required when specified in the Drainage Listing or Reconstruction Log.

SHEET NUMBER	2	TOTAL SHEETS	2
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GENERAL SPECIFICATIONS

ITEM 3 – ROADWAY RECONDITIONING

OBJECTIVES AND SCOPE OF CONTRACT. The Contractor shall perform road maintenance blading that will result in the proper mix of aggregates and fines to maintain aggregates on the roadway, the elimination of ruts and chuckholes, maintenance and functionality of ditch lines and surface water diversion structures, and removal of rocks, limbs and other debris from the road prism. The services covered in this contract include the furnishing of all labor, equipment, supervision, transportation, operating supplies, and incidentals necessary to perform road maintenance blading on roads specified herein, in compliance with the terms, specifications, conditions, and provisions of this solicitation.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana.

(A) - Project Location. Refer to Sale Area Map and the Performance Schedule and Restricted Operations Table for locations of individual roads.

(B) - Accessibility. Most areas are accessible from approximately **June 16 through October 15**. Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

Standard industry practice indicates use of a motor grader with a 12 to 14 foot moldboard blade **and** scarifier to effectively perform this type of work. Some roads or road segments may require scarification in conjunction with grading in order to cut out washboards and chuck holes or removal of exposed rocks. The equipment used to perform this work shall meet safety standards and shall be in good mechanical condition.

Moving of Equipment and Supplies. The moving of equipment and supplies between job sites defined in each item shall be the Contractor's responsibility.

Replacement of Equipment. Contractor shall provide quality equipment capable of safely performing the work under the terms of the contract. If equipment is rejected because it does not meet minimum requirements, including but not limited to safety and operability, or if it becomes inoperative, the Contractor shall correct the deficiencies or furnish replacement equipment meeting contract requirements within 2 days. All repairs are the total responsibility of the Contractor. Contractor shall not be compensated for mobilization of replacement equipment.

Pollution and Erosion Control. During all operations under this contract, the Contractor shall exercise reasonable measures to direct surface runoff water to stabilized waterways and to keep the drainage systems functioning effectively to prevent or minimize soil erosion and pollution of water and other resources. **Sidecasting of material smaller than 4 inches in diameter is prohibited on road segments within 300 feet of a stream. Material greater than 4 inches from surface or ditch maintenance will not be sidecast in locations where there is a potential to enter the stream.** Large boulders may be sidecast.

All refuse, including garbage, rubbish, and solid or liquid wastes from the Contractor's operations, including camps, parking areas, and equipment maintenance areas shall be stored and collected in a sanitary manner and disposed of in a State-approved sanitary landfill. Oil from crankcases or gear boxes, equipment waste or spilled or excess fuel shall be placed in containers and removed from the work site and disposed of as approved and required by Federal, State and Local laws.

PERFORMANCE SPECIFICATIONS

WORK OBJECTIVES

(a) Blading and Shaping. Surface blading is keeping the native or aggregate surfaced road in a condition to facilitate traffic, minimize additional future maintenance, reduce erosion, and provide proper drainage. It includes maintaining the crown, inslope or outslope of the traveled way and shoulders, drainage dips, maintenance of all ditches and leadoff ditches, berms, turnouts, removal of minor slides and slumps, and other irregularities that prevent normal runoff from the road surface. As part of proper surface blading, it is imperative that the cutting edge be maintained. The Contractor shall maintain less than a 1 inch crown/center wear in relation to outbound tips. Cutting edges with center wear in excess of 1 inch shall be replaced, or surfaced, or trimmed to remove said crown.

(1) – Blade road to remove surface irregularities and shape to provide a uniform surface without loss of aggregate surfacing or disturbance or loss of road base material. The blading shall be performed in such a manner as to preserve the existing cross section and to conserve surface materials. Maintain the existing cross slope or crown unless directed otherwise by the COR.

(2) - On gravel surfaced roads, **the base must not be disturbed and no surface material may be bladed into the ditch or over the road shoulders or replaced if not salvable.** All available aggregate lost to the side of roadway, regardless of cause, shall be returned and mixed into the driving surface. Blading of native surface roads shall be performed so no base material under four (4) inches in the greatest dimension is lost. **All ruts, holes, etc., shall be removed by scarifying and/or cutting to the bottom** of any surface irregularities. Oversize material brought to the surface in the scarification process shall be removed from the roadway. Surface material which has been displaced to the shoulders, turnouts, outside of curves, etc., shall be brought back so as to leave a uniform depth on the traveled way at completion of blading. Surface material shall be bladed from one edge of the road to the other in a berm in order to eliminate any segregation prior to spreading. Sections having segregated materials after spreading shall be reprocessed and spread. Remove all organic, deleterious material larger than 6 inches from the top 6 inches of subgrade, material shall be disposed of as directed by Forest Service.

(3) – Elimination of ruts, chuckholes, and washes. These defects **shall be repaired by scarifying or cutting to the bottom** of such defects to provide for uniform compaction of roadbed material. High grading, or any method which merely fills depressions with loose material, does not eliminate the defect or provide for uniform compaction **and is therefore not acceptable, resulting a complete reworking.** Dispose of rocks larger than 4 inches brought to the surface during scarification in areas designated by the Contracting Officers Representative. For portions of road not requiring scarification, the roadbed may contain rocks larger than 4 inches provided they do not extend above the finished roadbed surface. **Reduce in place or remove rock extending above the finished roadbed surface.** Dispose of rocks in areas designated by the Contracting Officers Representative.

(4) – Repair of Settlement sections shall be performed where possible by cutting from the roadbed on each end of the settled area and filling into the settled area to provide smooth transitions to adjacent road grades. If this will not accomplish the objective, the Contracting Officers Representative shall be informed.

(5) - Grading and shaping operations shall not undercut road backslopes.

(6) – At intersections, the roadbeds of side roads shall be graded for a reasonable distance to assure proper blending of the two riding surfaces.

(7) - Existing drainage dips shall be cleaned and the outslope grade restored to original design.

(8) - At the conclusion of the grading and shaping operations the roadbed shall be smoothed and dressed to produce a uniform grade and cross section and a surface free of hollows, depressions, and projections above the adjacent roadbed surface. No berm or ridge or any material shall be left along either shoulder of the roadbed unless directed by the Contracting Officers Representative.

(b) – Drainage Facilities – Cleaning and Repair

(1) - Wood, rocks, vegetation, and other debris shall be removed from roadside drainage ditches to provide unobstructed flow of water. **All ditches will be pulled to a minimum depth of 12 inches** except where not possible due to bedrock or similar obstruction. The backslope of the ditch shall not be undercut by ditch cleaning operations; and the slope to road shoulder shall be maintained at an approximate ratio of 3:1 from the bottom of the ditch to the edge of the roadbed. Roadside ditches shall not be excavated to a depth of greater than 2 feet below roadbed grade. Typical depth of roadside drainage ditches below roadbed is one + foot. Note: A chainsaw may be required to cut/remove logs which impede proper blading.

(2) - Wood, rocks and other debris resulting from the cleaning of drainage ditches shall be removed and disposed of on the jobsite as directed by the Contracting Officers Representative. On aggregate-surfaced roads, material may be bladed across the road provided it is not deposited in ruts, washes, or chuckholes in the road surface. Such material shall be sidecast on stable fill slopes or natural ground out of streambeds, streams, or other waterways. **No sidecasting will be permitted within 300 feet of a stream.** On roads without aggregate surfacing, surface soil with rocks less than 2 inches in greatest dimension may be spread evenly over the adjacent roadbed.

(3) – Clear inlet and outlet channels of drainage structures (culverts), inlet trash racks, and drop inlets of loose material that could cause plugging or prevent the free flow of water. Debris shall be disposed of in agreed manner at designated locations.

(4) - Open top culverts shall be cleaned to ensure proper function.

SIGNING AND PUBLIC SAFETY. The Contractor shall provide signs, other devices, and traffic control for occupied work areas in accordance with National standards as contained in Part VI of the Manual of Uniform Traffic Control Devices (MUTCD), current edition, and these specifications. All signs and devices remain the property and responsibility of the Contractor.

(a) - Traffic Conditions

2.7.1.1 - Roads shall be open to traffic.

2.7.1.2 - One lane roads shall be available for one lane channelized passage of traffic at all times unless approved in writing by the Contracting Officers Representative.

2.7.1.3 - Any unusual conditions created in the roadway that must be left overnight or on weekends due to weather conditions or breakdowns, such as a berm, shall be properly signed as a hazard and visibly illuminated at night.

(b) - Devices

(1) - The Contractor shall provide, erect, and maintain all necessary barricades, danger signals, detour and other signs, and take all necessary precautions for the protection of the work and safety of the public. All such barricades and signs shall be in accordance with the Manual of Uniform Traffic Control Devices (MUTCD), current edition, as published by the Federal Highway Administration, U.S. Department of Transportation.

(2) - As a minimum the Contractor shall provide two signs with stands, stating "Road Machinery Ahead". (See Attachment listed in Section J – MUTCD Designation W21-3). Signs shall be a minimum of 36 inches by 36 inches in size with 6-inch black letters on an orange retroreflective background. Signs shall be in good condition and lettering shall be legible. Signs shall be posted at the beginning and end of the daily work area before work begins. Homemade signs shall not be permitted.

(3)- Traffic approaching the work area from either direction or side approaches shall be warned by signing.

(4) - Signs shall at all times be within two miles of the operating equipment or personnel or as agreed with Contracting Officers Representative.

(5) - Hazards incidental to the work within or on the traveled way, shoulders, or turnouts shall be marked with hazard identification, illuminated beacons, or other MUTCD devices to safely guide road users through the area. Work shall be scheduled to provide for completion of segments on a daily basis.

(c) - Equipment

Vehicles and machinery not directly used in the maintenance operation shall be parked off the traveled way to minimize interference with the normal use of the road.

Removal of Obstructions. All fallen trees, limbs, or brush in the travelway or road ditch line shall be removed and scattered outside the travelway.

Damage to Structures. The Contractor is responsible for any damage caused by his/her personnel or equipment to any existing cattle guards, culverts, signs, and riprap protecting culvert inlets or fill slopes. Note that the sidcasting of aggregate meant to be a part of the road surface is considered damage and would be required repair/replacement at the sole expense of the Contractor. Repair to these structures shall be at the Contractor's expense.

Soil Moisture – Retention of Fines. Contractor is responsible to ensure that performance does not reduce the level of fines in the road surface. Therefore, operations may be suspended when soil moisture conditions are not favorable for obtaining a satisfactory result. Suitable moisture conditions are determined to be in excess of five (5) percent and less than 15 percent by weight unless otherwise authorized by the Contracting Officers Representative.

NOXIOUS WEEDS/EQUIPMENT CLEANING

In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes

all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species in/out the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in NA prior to the equipment leaving the NA. Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

INSPECTION AND ACCEPTANCE

(a) - **Contractor Quality Control Inspection.** The Contractor shall ensure that performance meets contract specifications prior to requesting the Government to inspect for payment or acceptance.

(b) – **Request for Government Inspection:** Upon completion of an entire road, or segment of road not less than 5 miles in length, the Contractor shall contact the Contracting Officer's Representative (ER) to set a mutually agreed upon date for inspection of completed work.

(c) - **Acceptance.** Acceptance of the work under the contract will be made after the ER has made the determination of satisfactory compliance with the specifications. For acceptance purposes, complete segments as defined in (b) above, shall be satisfactorily completed before acceptance will be made. Acceptance will not be made for segments broken by unacceptable portions of work.

SPECIAL CONTRACT REQUIREMENTS

LOSS, DAMAGE OR DESTRUCTION

Equipment furnished with operator. The Government shall not be liable for loss, damage, or destruction of equipment furnished under this contract except for such loss, damage, or destruction resulting from the negligent or wrongful act(s) of Government employee(s) while acting within the scope of their employment.

FIRE PRECAUTIONS

Contractor shall comply with specific fire precautionary measures set forth in K-H.2 – Normal Precautions.

CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

(a) – Measurement. Accepted work will be measured in miles to the nearest tenth mile along the centerline of the roadway, and shall include only those roads or road portions which are authorized under the contract and completed in accordance with the specifications. Measurement will be by a Forest Service vehicle. **NOTE: Parking areas, turnouts, and approach road connections are considered as part of the main roads and shall not be measured separately. Mileage measurement includes all work on both sides of the road.**

(b) – Stewardship Credits. Stewardship Credits will be made for completed and accepted mileage to the nearest tenth of a mile, at the contract unit price per mile.

OPTIONAL STEWARDSHIP PROJECT 003

ROAD MAINTENANCE

The Contractor shall perform general road maintenance in numerical item order for each division:

- Item 1 – Mastication
- Item 2 – Road Drainage Dips
- Item 3 – Roadway Reconditioning

PERFORMANCE SCHEDULE AND RESTRICTED OPERATIONS

Sub Item	Geographic Area	Items	Road # Surface	Road Name	Begin/End Termini		Miles	Quantity Drainage Dips	Treatment Schedule	Timing Restrictions
					Begin	End				
1	Beaver Creek	1	2254	Ripper Creek	0	7.38	7.38		2020	Yearlong closed- Administrative Access needed from District Ranger.
2	Beaver Creek	1	2258	Lost Branch	0	4.26	4.26		2020	Yearlong closed- Administrative Access needed from District Ranger.
3	Beaver Creek	1	2262	Emma Creek	8.1	17	8.9		2020	Yearlong closed- Administrative Access needed from District Ranger.
4	Beaver Creek	1, 3	6010	Dry Gulch	0	2.1	2.1		2020	Yearlong closed- Administrative Access needed from District Ranger.
5	Beecher	1	2226	Beecher	1.3	6.79	5.49		2020	Yearlong closed- Administrative Access needed from District Ranger.
6	Berray Mountain	1, 2, 3	407	E FK Bull	1.4	7.9	6.5	30	2020	Open
7	Berray Mountain	1, 3	407A	E FK Bull A	0	0.14	0.14		2020	Open
8	Berray Mountain	1, 2, 3	410	S FK Bull	1.9	11.5	9.6	10	2020	Open
9	Berray Mountain	1	2278	Lost Girl	0	9.92	9.92		2020	Open 0.0-1.02 / Gate 1.02-9.92 Yearlong closed- Administrative Access needed from District Ranger.
10	Berray Mountain	1, 3	2278A	Lost Girl A	0	0.28	0.28		2020	Open

11	Berray Mountain	1	2289	Goat Rocks	0	4.02	4.02		2020	Yearlong closed- Administrative Access needed from District Ranger.
12	Berray Mountain	1, 3	2796	Berray Creek	0	0.1	0.1		2020	Open
13	Elk Creek	1	430	Jack Gulch	1.77	5.7	3.93		2020	Open
14	Elk Creek	1	3332	Divide	0	4.42	4.42		2020	Open
15	Elk Creek	1	3332A	Divide A	0	3.6	3.6		2020	Open
16	Fatman Mountain	1, 3	409	Blue Creek	2.64	3.69	1.05		2020	Open
17	Fatman Mountain	1, 3	2290	Broken Hill	0	0.22	0.22		2020	Open
18	Fatman Mountain	1, 2, 3	2292	Fatman	0	6.28	6.28	20	2020	Open
19	Fatman Mountain	1, 3	2745	W FK Blue	0	1.3	1.3		2020	Open
20	Fatman Mountain	1, 3	2745A	W FK Blue	0	0.2	0.2		2020	Open
21	McKay Creek	1	1119B	Swamp Creek B	0	0.72	0.72		2019	Open
22	McKay Creek	1, 2, 3	2210	Engle	0	4.00	4.00	30	2019	Open 0-0.7 / Gate 0.7-4.0 Yearlong closed- Administrative Access needed from District Ranger.
23	McKay Creek	1, 3	2283	Lower Rock	0	0.72	0.72		2019	Open
24	McKay Creek	1, 3	2284	South Rock	0	0.4	0.4		2019	Open
25	McKay Creek	1, 2, 3	2287	McKay Saddle	0	5.8	5.8	30	2019	Open 0.0-1.06 / Gate 1.06-5.8 Yearlong closed- Administrative Access needed from District Ranger.
26	Upper Vermillion	1	2237	Upper Bear Creek	0	0.85	0.85		2020	Yearlong closed- Administrative Access needed from District Ranger.
27	Upper Vermillion	1	2238	Rush Ridge	0	3.3	3.3		2020	Yearlong closed- Administrative Access needed from District Ranger.
				Total Project Miles			95.4			

PROJECT 007 (OPTIONAL)

ASPEN FENCING

GENERAL SPECIFICATIONS

ITEM 1 – FENCE ENCLOSURE

The Contractor shall perform general Aspen Fence Enclosure.

The Contractor's Technical Proposal shall include a Work Plan and Production Schedule describing the workforce to be provided and production rates to be achieved in order to meet the performance schedule.

SCOPE OF CONTRACT. This contract requires fencing Aspen clones in compliance with its terms, specifications, and provisions. This includes furnishing labor, equipment, supervision, transportation, operating supplies, and incidentals except those items listed as Government-furnished property.

The intent of this contract is to improve the quality and quantity of Aspen by fencing clones to maintain Aspen on site and encourage new growth where possible.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana.

(A) - Project Location. Refer to Sale Area Map and the Summary of Fencing Enclosures for locations in and around **Units: 1, 5A, 6 and N.** **Exact locations will be determined at time of construction.** Fence enclosures will be only accessible by foot or off road equipment.

(B) - Accessibility. Most areas are accessible from approximately **June 16 through October 15.** Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

Moving of Equipment and Supplies. The moving of equipment and supplies between job sites defined in each item shall be the Contractor's responsibility.

Replacement of Equipment. Contractor shall provide quality equipment capable of safely performing the work under the terms of the contract. If equipment is rejected because it does not meet minimum requirements, including but not limited to safety and operability, or if it becomes inoperative, the Contractor shall correct the deficiencies or furnish replacement equipment meeting contract requirements within 2 days. All repairs are the total responsibility of the Contractor. Contractor shall not be compensated for mobilization of replacement equipment.

SUMMARY OF FENCING ENCLOSURES

Item	Unit	Number of Enclosures
1	1	4
2	5A	6
3	6	6
4	N	4

PERFORMANCE SPECIFICATIONS

WORK OBJECTIVES

Contractor shall construct twenty fence enclosures measuring **50' X 50' X 6'** with **8'** metal "T" posts **5'** feet apart. Fencing material shall be 36" x 100' 14 gauge 2"x3" welded wire fence. Refer to table for unit numbers and amount of enclosures. In cases where off-road vehicles or mechanized equipment is used, follow noxious weed equipment cleaning procedures.

NOXIOUS WEEDS/EQUIPMENT CLEANING

In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species in/out the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in NA prior to the equipment leaving the NA. Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

FIRE PRECAUTIONS

Contractor shall comply with specific fire precautionary measures set forth in K-H.2 – Normal Precautions.

CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

(a) – Measurement. Accepted work will be measured by Item.

(b) – Stewardship Credits. Stewardship Credits will be made for completed and accepted Item.

PROJECT 008 (OPTIONAL)

CULVERT REPLACEMENT

GENERAL SPECIFICATIONS

ITEM 1 – CULVERT REPLACEMENT

The Contractor shall perform general Culvert Replacement. The Contractor's Technical Proposal shall include a Work Plan and Production Schedule describing the workforce to be provided and production rates to be achieved in order to meet the performance schedule.

SCOPE OF CONTRACT. This contract requires culvert replacement work in compliance with its terms, specifications, and provisions. This includes furnishing labor, equipment, supervision, transportation, operating supplies, and incidentals except those items listed as Government-furnished property.

The intent of this contract is to replace damaged or inadequately sized culverts to enhance water quality and improve best management practices (BMP's). Roads are designated on the Sale Area Map.

LOCATION AND DESCRIPTION. The work is located on the Cabinet Ranger District of the Kootenai National Forest. Work is located in Sanders County, Montana.

(A) – **Project Location.** Refer to Contract Area Map and Summary of Culvert Replacements for locations. **Exact locations will be staked by the Forest Service.**

(B) – **Accessibility.** Most areas are accessible from approximately **June 16 through October 15**. Depending on weather conditions, some areas may be accessible longer and others may have a slightly shorter time frame. Optimal working conditions are weather dependent and may fall outside of these dates.

(B)– **Timing Restrictions.** Live stream operations (culverts) shall only be permitted **July 15–August 31** (Due to possibility of sediment delivery to fish streams).

Contractor shall notify the Forest Service 60 days in advance of culvert replacement in order to acquire the proper permits and approvals.

(C)

Moving of Equipment and Supplies. The moving of equipment and supplies between job sites defined in each item shall be the Contractor's responsibility.

Replacement of Equipment. Contractor shall provide quality equipment capable of safely performing the work under the terms of the contract. If equipment is rejected because it does not meet minimum requirements, including but not limited to safety and operability, or if it becomes inoperative, the Contractor shall correct the deficiencies or furnish replacement equipment meeting contract requirements within 2 days. All repairs are the total responsibility of the Contractor. Contractor shall not be compensated for mobilization of replacement equipment.

PERFORMANCE SPECIFICATIONS

Installation shall be in accordance with the road package in Appendix A, Federal Highway Administration Specifications (FP-03), and applicable Forest Service Supplemental Specifications in Appendix B.

WORK OBJECTIVES

The Contracting Officer may release specific or all division numbers in accordance with the completion of Pilgrim Creek Timber Sale hauling. Contractor shall remove existing culverts and replace culverts shown on Contract Area Map.

SUMMARY OF CULVERT REPLACEMENTS

Item	Optional Stewardship Project 008 - Culvert Replacement	UOM	Unit	Est Qty
Road 149				
20301	Removal Culvert	AQ	EA	7
15101	Mobilization	LSQ	LS	1
20404	Unclassified Borrow Compaction Method B	CQ	CY	400
60250	24" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	152
60250	36" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	100
60250	48" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	40
60250	95"X67" CSP, 12 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	40
62501	Seeding, Dry Method with Mulch	CQ	AC	0.43
Road 2706				
20301	Removal Culvert	AQ	EA	10
15101	Mobilization	LSQ	LS	1
20404	Unclassified Borrow Compaction Method B	CQ	CY	680
60250	24" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	296
60250	36" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	226
60250	48" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	50
62501	Seeding, Dry Method with Mulch	CQ	AC	0.61
Road 2744				
20301	Removal Culvert	AQ	EA	8
15101	Mobilization	LSQ	LS	1
20404	UnClassified Borrow Compaction Method B	CQ	CY	400

Item	Optional Stewardship Project 008 - Culvert Replacement	UOM	Unit	Est Qty
60250	24" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	160
60250	36" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	260
60250	48" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	90
60253	81"X59" CSPA, 12 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	78
60253	95"X67" CSPA, 12 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	80
62501	Seeding, Dry Method with Mulch	CQ	AC	0.73
	Road 2744 C			
20301	Removal Culvert	AQ	EA	1
15101	Mobilization	LSQ	LS	1
20404	UnClassified Borrow Compaction Method B	CQ	CY	100
60253	66"X51" CSPA, 12 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	90
62501	Seeding, Dry Method with Mulch	CQ	AC	0.11
	Road 2744 D			
20301	Removal Culvert	AQ	EA	7
15101	Mobilization	LSQ	LS	1
60250	24" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	180
60250	36" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	270
60250	48" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	160
62501	Seeding, Dry Method with Mulch	CQ	AC	0.71
	Road 2746			
20301	Removal Culvert	AQ	EA	2
15101	Mobilization	LSQ	LS	1
20404	Unclassified Borrow Compaction Method B	CQ	CY	100
60250	36" CSP, 16 Gauge Thick, Includes Excavation, Compaction Method B	AQ	LF	86
62501	Seeding, Dry Method with Mulch	CQ	AC	0.13

NOXIOUS WEEDS/EQUIPMENT CLEANING

In order to prevent the spread of noxious weeds into the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment prior to entry on to the Contract Area. This cleaning shall remove all soil, plant parts, seeds, vegetative matter, or other debris that could contain or hold seeds. Only logging and construction equipment so cleaned and inspected by the Forest Service will be allowed to operate within the Contract Area. All subsequent move-ins of equipment to the Contract Area shall be treated in the same manner as the initial move in. "Off-road equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

Contractor shall employ whatever cleaning methods are necessary to ensure that off-road equipment is free of noxious weeds. Equipment shall be considered free of soil, seed, and other such debris when a visual inspection does not disclose such material. Disassembly of equipment components or specialized inspection tools is not required.

In order to prevent the spread of noxious weed species in/out the Contract Area, Contractor shall be required to clean all off-road logging and construction equipment that operates in NA prior to the equipment leaving the NA. Contractor and Forest Service shall agree on methods of cleaning, locations for the cleaning, and control of off-site impacts, if any.

Unless otherwise agreed, Contractor shall give the forest service at least 24 hours notice when equipment is ready for inspection. Notification will include an agreed upon location where the equipment will be available for inspection by the forest service.

New infestations of noxious weeds, of concern to Forest Service and identified by either Contractor or Forest Service, on the Contract Area or on the haul route, shall be promptly reported to the other party. Contractor and Forest Service shall agree on treatment methods to reduce or stop the spread of noxious weeds when new infestations are found. A current list of noxious weeds of concern to Forest Service is available at each Forest Service office.

FIRE PRECAUTIONS

Contractor shall comply with specific fire precautionary measures set forth in K-H.2 – Normal Precautions.

CONTRACT ADMINISTRATION DATA

MEASUREMENT AND PAYMENT

(a) – Measurement. Accepted work will be measured by individual division number.

(b) – Stewardship Credits. Stewardship Credits will be made for completed and accepted division numbers.

K-H.2 - NORMAL PRECAUTIONS (2/02). Specific fire precautionary measures are set forth below. Upon request of Forest Service, Contractor shall permit and provide an individual to assist in periodic testing and inspection of required fire equipment. Contractor shall promptly remedy deficiencies found through such inspecting and testing.

The following requirements shall apply during the period stated in A.12 and during other such periods as specified by Forest Service.

A. Fire Extinguishers and Tools Required with Equipment. Each unit of powered equipment used in connection with this contract shall be equipped with serviceable tools and fire extinguishers acceptable to Forest Service as follows:

1. STATIONARY EQUIPMENT. Examples include yarders, log loaders, Hahn Harvester, stroke delimiters, roadside/landing based processors, whole tree chippers, rock crusher, asphalt plant, or other equipment working at fixed locations such as a landing or rock crushing site.

One - Fire extinguisher, dry chemical type of not less than 2.5-pound capacity with 4 B.C. or higher rating.

One - 5-gallon standard galvanized metal, fiber glass or rubberized backpack water container, with hand pump attached, to be filled at all times.

Weatherproofed tool box marked "FIRE ONLY," equipped with a hasp, kept sealed, and containing:

One - Axe, double bit, 3.5#

Two - Shovels (round point #0 lady or equal)

Two - Pulaskis

The tool box shall be mounted on equipment, if feasible, unless another location is agreed to in writing. The tool box shall be within 100 feet of the designated machine at all times when operating. Only one (1) tool box is required at each active fixed location site.

2. MOBILE EQUIPMENT. Examples include crawler tractors, rubber-tire skidders, soft-track skidders, forwarders, feller-bunchers, feller-processors, excavators, front-end loaders, back-hoes, scrapers, and motor graders.

One - Fire extinguisher, dry chemical type of not less than 2.5-pound capacity with a 4 B.C. or higher rating.

One - Shovel (round point #0 lady or equal). For equipping mobile equipment, an acceptable substitute is a "D-handle" round point shovel with a minimum 27-inch handle and a minimum 8- by 11-inch blade.

One - Axe, double bit, 3.5#, or one pulaski.

3. SUPPORT EQUIPMENT. Examples include trucks, low-boys, busses, pickups, panels, automobiles, service trucks, or similar equipment used in transporting logs, people, equipment, and/or materials.

One - Fire extinguisher, dry chemical type of not less than 2.5-pound capacity with 4 B.C. or higher rating

One - Shovel (round point #0 lady or equal)

One - Axe, 2# or over, 26-inch minimum length, or one pulaski

One - Bucket or similar water container (at least 1-gallon capacity)

4. POWER SAWS

One - Shovel (round point #0 lady or equal). Shovel shall be with gas containers and/or no more than 100 feet distance from where sawyer is working.

One - Fire extinguisher, containing not less than eight (8) ounces of extinguisher fluid or a dry chemical powder type of not less than one (1) pound capacity. The extinguisher shall be carried by the operator at all times.

Any fueling or refueling of a power saw shall only be done in an area which is free of or which has first been cleared of all material capable of carrying fire; such power saw shall be moved at least 10 feet from place of fueling before starting.

B. Fire Tools on Contract Area. Contractor shall furnish and maintain in serviceable condition, in quantities and at locations to be designated by Forest Service, tool boxes, fire tools and other fire equipment to be used only for suppressing forest fires. Each tool box shall be weatherproofed and marked "TOOLS FOR FIRE ONLY" and kept sealed. These requirements are in addition to fire tool requirements for mobile, stationary, support or power saw equipment.

1. Special tool caches shall not be required when less than 20 people are employed on Contract Area, excluding logging truck drivers.

2. Operations employing more than 20 individuals on Contract Area, excluding truck drivers, shall furnish a tool cache with a minimum of one serviceable tool per person in the following configuration:

Axe, double bit, 3.5#, 10%

Shovels (round point #0 lady or equal), 45%

Pulaskis, 45%

C. Spark Arresters. Each internal combustion engine shall be provided with a spark arrester or spark arresting device approved by Forest Service. Exceptions where Forest Service may approve mufflers or other equipment in lieu of spark arresters qualified and rated under Forest Service standard 5100-1a are: (a) small multi-position engines, such as chain saws, shall meet Society of Automotive Engineers J335b standards, (b) passenger-carrying vehicles and light trucks may have baffle-type muffler with tail pipe, (c) heavy-duty trucks may have a vertical stack exhaust system with muffler, provided the exhaust stack extends above the cab of the vehicle, (d) an exhaust driven turbocharger is considered to be a satisfactory spark arrester. Internal combustion engine exhaust systems, arresters and other devices shall be properly installed and maintained.

D. Blasting. Fuse or prima cord shall not be used unless authorized in writing by Forest Service, with special precautions stated.

E. Smoking. Smoking shall not be permitted within logging operations except on surfaced or dirt roads, at landings, within closed vehicles, in camps or at other posted places. Smoking shall not be permitted while working or traveling on foot, within or through Contract Area.

F. Precautions for Stoves. Stovepipes on all temporary buildings, trailers, and tents using wood-burning stoves shall be equipped with roof jacks and serviceable spark arresters of mesh with openings no larger than 5/8 inch. All stovepipes, inside and out, shall not be closer than two (2) feet from any wood or other flammable material or one (1) foot if the combustible material is protected by a metal or asbestos shield.

G. Debris Around Buildings. The grounds around buildings, tents and other structures shall be kept free of flammable material for a distance of at least 15 feet from the wall of such structures.

H. Storage of Petroleum and Other Highly Flammable Products. Gasoline, oil, grease, or other highly flammable material shall be stored either in a separate building or at a site where all combustible debris and vegetation is cleared away within a radius of 25 feet. Fire extinguishers and/or sand barrels may be required at such locations specified by Forest Service when unusually hazardous conditions exist.

I. Debris Burning and Warming Fires. Burning permits shall be required throughout the year for all debris burning fires. Lunch and warming fires may be allowed in fireproofed areas during periods of low fire danger as specified in the fire plan. Such fires shall not be left unattended.

J. Cable Logging. All tail blocks and corner blocks shall be of an accepted haulback design which prevents line fouling and used with line guards. Such blocks shall be located to prevent cables from rubbing against trees, snags, down logs or rock when operating.

Areas adjacent to blocks shall be cleared of flammable material within a 5-foot radius. One (1) shovel and one (1) pulaski shall be maintained within 10 feet of each block.

K. Emergency Measures. Additional measures and/or other special requirements necessary during periods of critical fire-weather conditions shall be included in the fire prevention and suppression plan.

L. Welding. Welding and use of cutting torches or cutoff saws will be permitted only in areas that have been cleared or are free of all material capable of carrying fire. Flammable debris and vegetation must be removed from within a minimum 10-foot radius of all welding and cutting operations. A shovel and a 5-gallon standard backpack water container filled and with handpump attached shall be immediately available for use in the event of a fire start.

K-H.2.1 - PUMP AND TRAILER (7/71). Contractor shall provide at a location satisfactory to Forest Service, a serviceable truck or trailer equipped with a firefighting tanker unit to be kept ready for instant use for suppressing forest fires. The unit shall consist of a tank of not less than 100-gallon capacity upon which shall be mounted a live hose reel or live hose basket with 250 feet of a least 3/4-inch I.D. heavy-duty rubber hose; a portable or power takeoff pump with discharge capacity of at least 10 gallons per minute at 150 P.S.I. pressure. Gear type pumps shall be provided with a bypass or pressure relief valve so the hose nozzle may be shut while the pump is operating. Each tanker unit shall have a hose nozzle of the shut-off type, adjustable for straight stream, spray or fog, at least 12 feet of 1-inch suction

hose with an intake screen, an additional 250 feet of 3/4-inch heavy-duty rubber hose or 1-inch cotton jacket rubber-lined or linen hose to be carried on the unit for use as needed. Tools, adapters, accessories and fuel necessary to operate the pump and truck or trailer shall be provided. If a trailer is used, a serviceable vehicle with the proper trailer tow hitch shall be located at a point satisfactory to Forest Service. Where water is available, a supply sufficient for rapidly filling the water tank shall be provided at one or more accessible points along or adjacent to the main truck roads.

K-I.2.1.2 - MARKET-RELATED CONTRACT TERM ADDITION (11/08). 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 A.20. 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.

K-I.6.8# – USE OF TIMBER (Option 1) (9/04).

(a) This contract is subject to the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 USC 620, *et seq.*).

(b) Except for **NONE** determined pursuant to public hearing to be surplus, unprocessed Included Timber shall not be exported from the United States nor used in direct or indirect substitution for unprocessed timber exported from private lands by Contractor or any person as defined in the Act (16 USC 620e).

(c) Timber in the following form will be considered unprocessed:

(i) Trees or portions of trees or other roundwood not processed to standards and specifications suitable for end product use;

(ii) Lumber, construction timbers, or cants intended for remanufacturing not meeting standards defined in the Act (16 USC 620e); and

(iii) Aspen or other pulpwood bolts exceeding 100 inches in length.

(d) Unless otherwise agreed in writing, unprocessed Included Timber shall be delivered to a domestic processing facility and shall not be mixed with logs intended for export.

(e) Prior to award, during the life of this contract, and for a period of 3 years from Termination Date, Contractor shall furnish to Forest Service, upon request, records showing the volume and geographic origin of unprocessed timber from private lands exported or sold for export by Contractor or affiliates.

(f) Prior to delivering unprocessed Included Timber to another party, Contractor shall require each buyer, exchangee, or recipient to execute an acceptable agreement that will:

(i) Identify the Federal origin of the timber;

(ii) Specify domestic processing for the timber involved;

(iii) Require the execution of such agreements between the parties to any subsequent transactions involving the timber;

(iv) Require that all hammer brands and/or yellow paint must remain on logs until they are either legally exported or domestically processed, whichever is applicable; and

(v) Otherwise comply with the requirements of the Act (16 USC 620d).

(g) No later than 10 days following the execution of any such agreement between Contractor and another party, Contractor shall furnish to Forest Service a copy of each such agreement. Contractor shall retain, for 3 years from Termination Date, the records of all sales, exchanges, or dispositions of all Included Timber.

(h) Upon request, all records dealing with origin and disposition of Included Timber shall be made available to Contracting Officer.

(i) For breach of this Subsection, Forest Service may terminate this contract and take such other action as may be provided by statute or regulation, including the imposition of penalties. When terminated by Forest Service under this Subsection, Forest Service will not be liable for any Claim submitted by Contractor relating to the termination.