

K-B.2.1 - UNPATENTED MINING CLAIMS. (10/04) Contractor's Operations under this contract shall not endanger or materially interfere with mining operations on unpatented mining claims.

Contractor shall preserve any claim corners, boundary markings, roads, mine workings, geochemical sample locations, surface improvements, water ditches, or other mining improvements and equipment. Any improvements that are damaged or destroyed by Contractor's Operations shall be repaired or replaced by **Contractor** unless a waiver is received from the mining claim owner.

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.

Cedar Product is the boles of trees meeting Cedar Product specifications as listed in A.2 of the contract and defined in K-G.8.0.4, but that do not meet the minimum piece specifications for Sawtimber Products.

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 (2/01) Contractor shall fall all trees designated for cutting. Notwithstanding the requirements of C.2 within harvest units **ALL**, all Non-sawtimber Products meeting utilization standards of A.2 shall either be decked at the landing or removed, at the option of the Contractor. If Contractor elects the decking option, payment for this material shall be made as per K-E.2.2.5. If Contractor elects to remove this product, then payment will 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.3.5.8# - INDIVIDUAL TREES (LEAVE TREE MARKING). (10/04) In **ALL UNITS**, all trees (live and dead) meeting minimum utilization specifications of **A.2** are designated for cutting, except trees reserved from cutting. Trees reserved from cutting have been marked with a horizontal stripe of **ORANGE** paint near eye level on the uphill and downhill sides and a stump mark. The boundaries of areas where leave trees are marked are identified by with three vertical orange stripes and a stump mark; the center stripe faces into the harvest unit. Trees used for boundary designation are not to be cut. All hardwood trees are not to be cut.

K-E.2.1.5 - DEPOSITS WHEN PAYMENT GUARANTEED (10/05) 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 timber on **Contract Area** that is cut, but not removed, and for the value of products

removed from **Contract Area**, subject to the provisions of **E.4**.

Pursuant to **E.2.2**, Base Rates and Required Deposits must be paid in cash on a monthly basis.

K-E.2.2.5 - ADVANCED PAYMENT FOR NON-SAWTIMBER (2/01) Unless agreed otherwise, within 30 days after the beginning of harvest operations on the Contract Area, Contractor must notify the Forest Service of the decision to either remove or deck Non-sawtimber Products shown in A.2, if provision K-C.2.1.1# - Optional Removal of Non-sawtimber Products is included in the contract.

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 A.2 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 in A.2 shall be reported as cut, and charged for, on the contract statement of account during the month in which the billing is paid.

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		
5525	Walde Higgins	Jct.75175	Unit 256	U	Unsuitable for hauling prior to completion of agreed reconstruction
5526	Fan Saddle Fork	End Specified Reconstruction	End unit 256	U	Unsuitable for hauling prior to completion of agreed reconstruction
101	Smith Creek	Jct. 514	Jct. 5528	R	Legal Highway Limits
514	Upper Yakus	Jct. 519	Jct. 101	R	Legal Highway Limits
519	Fan Creek	Jct. 100	Jct. 514	R	Legal Highway Limits
486	Walde Ridge	Jct. 101	Jct. 486Q	R	Legal Highway Limits
5525	Walde Higgins	Jct. 486	Jct. 75175	R	Legal Highway Limits
5528	Mystery Creek	Jct. 101	End Road	R	Legal Highway Limits

All specified roads are designed for log truck traffic only; lowboy access may be limited.

Should roads 5516 and 551 (being reconditioned) be added to this list?

K-F.2.2.2# - STOCKPILED MATERIAL SOURCES. (1/02) Material is appraised from National Forest stockpiles designated on the **Contract Area Map**. Payment to the Forest Service for such material shall be made prior to removal of any material and at the following rates:

Source/Stockpile	Type of Material	Unit of Measure	Unit Price	Estimated Quantity	Total Price
Section 6 Pit Sec6, T34n, R6E,BM	Gravel	CY	\$10.00	NA	NA

When agreed to in writing, **Contractor** may elect to crush material at the above sources in lieu of purchasing stockpiled material; however, there will be no adjustment in cost allowance.

When agreed to in writing, **Contractor** may elect to obtain material from other sources, with no adjustment in cost allowances, unless such adjustment results in a savings to the Forest Service. Such adjustment will be in accordance with **F.2.5.3**.

Forest Service assumes responsibility for the quality and quantity of material in the sources designated above. Should a designated source, due to causes beyond the control of the **Contractor**, contain insufficient acceptable material, the Forest Service will provide another source with adjustment in accordance with **F.2.5.3**.

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											
N/A													

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

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications									
	From	To		T101	T103	T108	T113	T201	T301	T507	T508	T619	
519	JCT 100	JCT 514	1.10	P	--	P	-	P	P	P	P	P	P
514	JCT 519	JCT 101	8.50	P	--	P	-	P	P	P	P	P	P
101	JCT 486A	JCT 5528	1.40	P	--	P	-	P	P	P	P	P	P
5528	JCT 101	END RD	3.30	P	--	P	-	P	P	P	P	P	P
5528N	JCT 5528	END UNIT 65B	0.30	P	--	P	-	P	P	P	P	P	P
101	JCT 486	JCT 486A	2.18	P	--	P	-	P	P	P	P	P	P
486A	JCT 101	JCT 486D	0.74	P	--	P	-	P	P	P	P	P	P
486D	JCT 486A	JCT 486J	1.70	P	--	P	-	P	P	P	P	P	P
486D	JCT 486J	END UNIT 64	0.90	P	--	P	-	P	P	P	P	P	P
486N	JCT 486D	END RD	0.40	P	--	P	-	P	P	P	P	P	P
486M	JCT 486D	JCT 486S	0.25	P	--	P	-	P	P	P	P	P	P
486S	JCT 486M	END RD	0.10	P	--	P	-	P	P	P	P	P	P

101	JCT 514	JCT 486	0.27	P	--	P	-	P	P	P	P	P	P
486	JCT 101	JCT 5525	1.55	P	--	P	-	P	P	P	P	P	P
486	JCT 5525	JCT 5588	3.85	P	--	P	-	P	P	P	P	P	P
486Q	JCT 486	END RD	0.45	P	--	P	-	P	P	P	P	P	P
5588	JCT 486	END UNIT 41	3.30	P	--	P	-	P	P	P	P	P	P
486	JCT 5588	JCT 486Q	2.30	P	--	P	-	P	P	P	P	P	P
486A	JCT 486	END UNIT 38F	1.30	P	--	P	-	P	P	P	P	P	P
75222	JCT 486A	UNIT 253C	0.10	P	--	P	-	P	P	P	P	P	P
486F	J CT 486	END UNIT 108A	1.56	P	--	P	-	P	P	P	P	P	P
5525	JCT 486	JCT 75175	2.10	P	--	P	-	P	P	P	P	P	P
5525D	JCT 5525	END RD	0.30	P	--	P	-	P	P	P	P	P	P
75175	JCT 5525	M.P. 1.49	1.49	P	--	P	-	P	P	P	P	P	P
5526	J CT 75175	M.P. 1.00	1.00	P	--	P	-	P	P	P	P	P	P

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

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications									
	From	To		T101	T103	T108	T113	T201	T301	T310	T507	T508	T619
519	JCT 100	JCT 514	1.10	P	--	P	-	P	P	P	P	P	P
514	JCT 519	JCT 101	8.50	P	--	P	-	P	P	P	P	P	P
101	JCT 486A	JCT 5528	1.40	P	--	P	-	P	P	P	P	P	P
5528	JCT 101	END RD	3.30	P	--	P	-	P	P	P	P	P	P
5528N	JCT 5528	END UNIT 65B	0.30	P	--	P	-	P	P	P	P	P	P
101	JCT 486	JCT 486A	2.18	P	--	P	-	P	P	P	P	P	P
486A	JCT 101	JCT 486D	0.74	P	--	P	-	P	P	P	P	P	P
486D	JCT 486A	JCT 486J	1.70	P	--	P	-	P	P	P	P	P	P
486D	JCT 486J	END UNIT 64	0.90	P	--	P	-	P	P	P	P	P	P
486N	JCT 486D	END RD	0.40	P	--	P	-	P	P	P	P	P	P
486M	JCT 486D	JCT 486S	0.25	P	--	P	-	P	P	P	P	P	P
486S	JCT 486M	END RD	0.10	P	--	P	-	P	P	P	P	P	P
101	JCT 514	JCT 486	0.27	P	--	P	-	P	P	P	P	P	P
486	JCT 101	JCT 5525	1.55	P	--	P	-	P	P	P	P	P	P
486	JCT 5525	JCT 5588	3.85	P	--	P	-	P	P	P	P	P	P
486Q	JCT 486	END RD	0.45	P	--	P	-	P	P	P	P	P	P
5588	JCT 486	END UNIT 41	3.30	P	--	P	-	P	P	P	P	P	P
486	JCT 5588	JCT 486Q	2.30	P	--	P	-	P	P	P	P	P	P
486A	JCT 486	END UNIT 38F	1.30	P	--	P	-	P	P	P	P	P	P
75222	JCT 486A	UNIT 253C	0.10	P	--	P	-	P	P	P	P	P	P
486F	J CT 486	END UNIT 108A	1.56	P	--	P	-	P	P	P	P	P	P
5525	JCT 486	JCT 75175	2.10	P	--	P	-	P	P	P	P	P	P
5525D	JCT 5525	END RD	0.30	P	--	P	-	P	P	P	P	P	P
75175	JCT 5525	M.P. 1.49	1.49	P	--	P	-	P	P	P	P	P	P
5526	J CT 75175	M.P. 1.00	1.00	P	--	P	-	P	P	P	P	P	P

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

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-113 SURFACING REPAIR

DESCRIPTION

1.1 Surfacing repair is patching potholes or small areas of broken asphalt or imported aggregate surfaces and asphalt dikes. It includes preparing the area to be patched and furnishing and placing all necessary materials, including base, and other work necessary to patch the surfacing, including paved shoulders. Sections requiring repair work shall be limited in area not to exceed NA square feet for paved surfaces or 200 square feet for aggregate surfaces and not more than 10 areas per mile per year.

MATERIAL

2.1 Materials used for repair of aggregate surfacing shall conform to these specifications:

2.2 Materials used for asphalt patching shall conform to or exceed the requirements of these specifications:

REQUIREMENTS

3.1 Aggregate Surfacing Repair. Aggregate material shall be placed in accordance with the applicable specification used in paragraph 2.1 above. Work under this specification shall be performed in a timely manner to reduce further deterioration of the surface.

3.2 Asphalt Surfacing Repair.

A. Potholes (deep patch). Remove the surface course and base course as deep as necessary to reach firm support; extend horizontally at least six (6) inches into good asphalt surfacing surrounding the cracked area. Make the cut square or rectangular with faces straight and vertical. Prime the bottom and faces using MC70, MC250, MC800, or emulsified asphalt (penetration type). Backfill the hole with asphalt mix and compact. Use 2-inch layers if the hole is more than four (4) inches deep. Compact each layer thoroughly with mechanical tampers or rollers. Compaction shall not be done with equipment wheels without prior approval. The patch when completed and compacted shall be flush with surrounding surface.

B. Skin Patches. Minor depressions, light raveling, or surface checking at scattered locations shall be treated by applying a skin patch. Carefully broom the surface of all loose material and apply a tack coat of MC70, MC250, or emulsified asphalt (penetration type) at the rate of 1/10-gallon per square yard. Place asphalt mix, distribute uniformly, and feather edges with asphalt rakes so the patch when compacted shall be flush with the adjoining surface. Roll thoroughly with a portable roller.

3.3 Asphalt Dikes. Asphalt material in the damaged length of dike shall be removed. Clean and repair asphalt foundation as necessary. Level exposed ends of existing dike. Prime all surfaces with bituminous material. Asphalt mix shall be placed and compacted to conform with the shape of the original dike.

3.4 All asphalt material removed from potholes, patches, and dikes shall be disposed of in designated area.

SPECIFICATION T-201 SHOULDER MAINTENANCE

DESCRIPTION

1.1 Shoulder maintenance consists of keeping that portion of roadway adjacent to a paved and/or aggregate surface in a reasonably smooth condition and flush with the pavement and/or aggregate in order to provide lateral support to the surface. It may require blading, furnishing, and placing additional material, application of bituminous material, and any other work incidental to the maintenance of the shoulder.

MATERIALS

2.1 Materials selected for shoulder maintenance shall be similar to the material used in the previous construction or maintenance.

REQUIREMENTS

3.1 Shoulder Blading. Replace material as necessary. Blade and shape the entire width of the shoulder to drain the paved or aggregate surface. The shoulder material shall be moistened if necessary to ensure reasonable compaction and graded flush with the pavement or aggregate edge. The entire shoulder shall be fully compacted.

3.2 Asphalt Stabilized Shoulders. Where shoulder has been previously stabilized with bituminous treatment, reapplication of bituminous material shall be made when 50 percent of the shoulder surface material is no longer held in place by bitumen. Prior to treatment, it may be necessary to replace earth or aggregate material lost or moved since last application.

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.

4.2

SPECIFICATION T-507 CUTTING ROADSIDE VEGETATION

DESCRIPTION

1.1 This work consists of cutting and disposing of all vegetative growth, including trees from within the roadway that reduce sight distance and 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 within the roadway 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 shall not be removed. Vegetation 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.

SPECIFICATION T-619 MISCELLANEOUS STRUCTURES

DESCRIPTION

1.1 Maintenance of miscellaneous structures include the maintenance of retaining walls, guard rails, cattleguards, fences, gates, and any other similar structures that have been previously installed to insure the safe and efficient operation of the road.

MATERIALS

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

REQUIREMENTS

3.1 Guard Rails. Anchors shall be tightened.

3.2 Cattleguards. Tie-in fences shall be sound and secured to the wings. Loose rails shall be welded or bolted back in place. Material deposited into the cattleguard well during operations shall be removed. Drainage into and out of cattleguards shall be maintained.

3.3 Fences. Wire fences shall be tightened if loose. Broken strands of wire or wood railings shall be replaced.

3.4 Gates. Gates shall be properly signed, kept in good repair and made to swing easily. Hinges or latches shall be repaired if not operating properly. Hinges shall be oiled.

K-F.3.1.2# - RECONDITIONING OF EXISTING ROADS. (10/04) Existing roads listed below and shown on the Contract Area Map will be included in the annual Operating schedule pursuant to G.3.1. Such roads shall be reconditioned by Contractor prior to use in accordance with road logs which are attached hereto and made a part thereof. For the roads listed below, the Contractor shall perform the following maintenance work as required:

A. Remove log or earth barricades.

B. Fill and level waterbars.

C. Clear trees and brush, remove down timber and debris from ditches and roadway. Remove bank slough that interferes with ditches and roadway and deposit on fill slopes or at locations staked on the ground.

D. General road blading and ditch maintenance pursuant to **K-F.3.1#**.

E. Construct drain dips as per attached drawing on Roads N/A. Locations are staked on the ground.

Notwithstanding C.3, down timber required to be moved under item C above shall become Included Timber subject to the requirements of C.2 when (a) it meets Utilization Standards in A.2 and (b) is designated by agreement. Other material and brush or debris removed from the ditches or road surface shall be scattered outside cleared right of way or piled at designated sites for later disposal by the Forest Service as indicated below for each road. Once reconditioned, such roads shall be maintained pursuant to K-F.3.1#.; however, such maintenance shall only be to the standard to which the road is reconditioned.

Road Number	Approximate Length	TERMINI	Disposal Option
519	1.10	JCT RD 100 – JCT RD 514	Scatter
514	8.50	JCT RD 519 – JCT RD 101	Scatter
101	3.85	JCT RD 514 – JCT RD 5528	Scatter
5528	3.30	JCT RD 101 – END RD	Scatter
5528N	0.30	JCT RD 5528 – END UNIT 65B	Scatter
486A	0.74	JCT RD 101 – JCT RD 486D	Scatter
486D	2.60	JCT RD 486A – END UNIT 64	Scatter
486N	0.40	JCT RD 486D – END RD	Scatter
486M	0.25	JCT RD 486D – JCT RD 486S	Scatter
486S	0.10	JCT RD 486M – END RD	Scatter
486	7.70	JCT RD 100 – JCT MP 486Q	Scatter
486Q	0.45	JCT RD 486 – END RD	Scatter
5588	3.30	JCT RD 486 – END UNIT 41	Scatter

486A	1.30	JCT RD 486 – END UNIT 38F	Scatter
75222	0.10	JCT RD 486A – END UNIT 253C	Scatter
486F	1.56	JCT RD 486 – END UNIT 108A	Scatter
5525	2.10	JCT RD 486 – JCT RD 75175	Scatter
5525D	0.30	JCT RD 5525 – END RD	Scatter

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 contract unless otherwise agreed.

Dust Abatement Specifications

Road Number	Road Name	Termini	Abatement Treatment	References or Attached
519	Fan Creek	Jct. 100 to Jct. 514	CaCl or MgCl	SPS-638
514	Upper Yakus	Jct. 519 to Jct. 101	CaCl or MgCl	SPS-638
101	Smith Creek	Jct. 514 to Jct. 486A	CaCl or MgCl	SPS-638
486	Walde Ridge	Jct. 101 to Jct. 5588	CaCl or MgCl	SPS-638
5525	Walde Higgins	Jct. 486 to Jct. 75175	CaCl or MgCl	SPS-638

K-F.3.1.6# - SNOW REMOVAL. (02/02) Snow removal shall be done in a manner to preserve and protect the roads to insure safe and efficient transportation and to prevent unacceptable erosion damage to roads, streams, and adjacent lands.

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

1. Removal of snow from entire road surface width including turnouts.
 2. Removal of snow slides, minor earth slides, fallen timber and boulders that obstruct normal road surface width including turnouts.
 3. Maintain drainage so that the drainage system will function efficiently.
- B. Performance. All items of snow removal shall be done currently as necessary to insure safe, efficient transportation. Work shall be done in accordance with the following minimum standards of performance.
1. Removal of material. 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 selected surfacing material be bladed off the roadway surface.
 3. Ditches and culverts shall be kept functional during and following roadway use.
 4. Snow berms shall not be left on the road surface. Berms left on the shoulder of road shall be removed and/or drainage holes shall be opened and maintained. Drainage holes shall be spaced as required to obtain satisfactory surface drainage without discharge on erodible fills.
 5. Dozers and skidders shall not be used to plow snow on system roads without written approval of Forest Service. Upon approval, dozers and skidders must be equipped with shoes or runners to keep the plow blade a minimum of **4 inches** above the road surface unless specifically removed from the requirements in writing.
 6. Snow must not be removed to the road surface. A minimum **2 inch** depth must be left to protect the roadway.
 7. Contractor's damage from, or as a result of, snow removal shall be restored in a timely manner.

K-F.3.2# – ROAD MAINTENANCE DEPOSIT SCHEDULE. (9/04) 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 and for deferred maintenance is: **\$1.50/ ton** for deferred road maintenance and surface replacement.

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
<u>N/A</u>		

K-F.4.1# - CLOSURE TO USE BY OTHERS. (2/05)

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 **YEARLONG** 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
N/A		

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 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
486	Jct. 5588	Scarify, waterbar, Seed & fertilize.	NA	Yes
486	Jct. 486-A	Scarify, waterbar, Seed & fertilize.	NA	Yes
486-A	Jct. 486-D	Scarify, waterbar, Seed & fertilize.	NA	Yes
486-A	Jct. 101	Scarify, waterbar, Seed & fertilize.	NA	Yes
486-D	Jct. 486-J	Scarify, waterbar, Seed & fertilize.	NA	Yes
486-F	Jct. 486	Scarify, waterbar, Seed & fertilize.	NA	Yes
75175	Jct. 5525	Scarify, waterbar, Seed & fertilize.	NA	Yes
5525-D	Jct. 5525	Scarify, waterbar, Seed & fertilize.	NA	Yes
5528	Jct. 101	Scarify, waterbar, Seed & fertilize.	NA	Yes
5588	Jct. 486	Scarify, waterbar, Seed & fertilize.	NA	Yes

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 undesignated 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.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.

**Attachment G.3.3
10/01**

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.

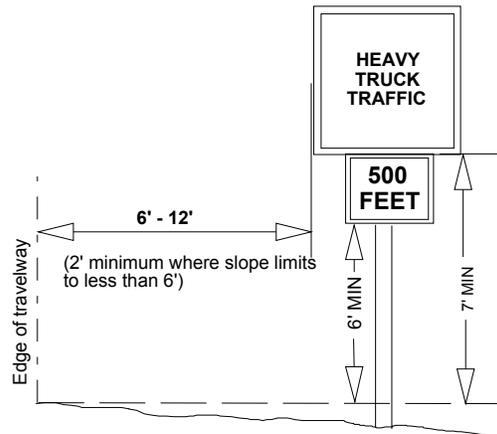


Figure 1: Sign Placement Dimensions

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.

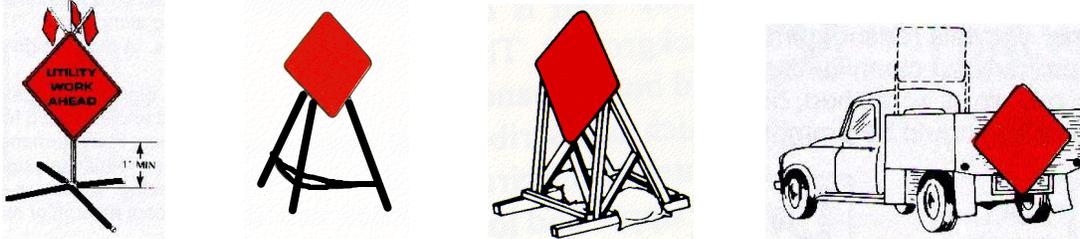


Figure 3: Examples of Temporary/Portable Supports

SIGNS

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



FG20-1-48*



FG20-2-48



FG20-3-42*



FG20-3a-42



FW22-3-30



FW20-1-30*



W21-3-30*



FW21-4a-30



FW11-7-24



W22-1-36*



FW8-6-24



FW11-9a-24



W7-3a-24*



W13-1-18**



W20-7aP-24*

* Specify Distance

** Specify Speed



BM-L-O



BM-R-O

Barricade Markers (See MUTCD for length and stripe siz

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, piling 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 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, piling 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 off 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.

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 Units	Conduct of Logging
All Units	Trees shall be felled, insofar as safety permits, to angle in the direction of skidding.
All Tractor Units	Tractor skid roads will be located and approved in advance of felling.
All Tractor Units	Logs shall be tractor skidded with the leading end free of the ground.
All Skyline Units	Except for lateral yarding, logs shall be yarded with the leading end

	free of the ground.
All Skyline Units	The skyline logging system shall provide for lateral yarding distance up to 100 feet. The carriage must maintain a fixed position on the skyline while lateral yarding. During the lateral yarding phase, logs shall be yarded along a path which minimizes damage to residual trees.
All Skyline Units	Skyline corridors shall be located on the ground and approved in advance of felling.
All Skyline Units	When setting where it is not possible to suspend the leading end of the log during inhaul, an intermediate support will be required. The support must be sufficient to suspend the leading end of the turn as the carriage traverses the skyline.
All Skyline Units	Skyline corridors shall have only those trees cut that are necessary to allow the safe free passage of the carriage and turn of logs. Width of skyline corridors shall be kept to a practicable minimum consistent with the related silvicultural prescription.
Unit 90	A tractor swing is required. The tractor must be capable of keeping the leading edge of the logs suspended above the ground. The location of the swing tractor road must be located on the ground and approved in advance of use.

K-G.4.1# - SPECIAL FELLING REQUIREMENTS. (10/04) Unless otherwise agreed in writing, the following special requirements shall be met in felling timber designated for cutting:

Cutting Unit	Item or Area to be protected	Protection Measure
All units, except units 64, 65C and 90.	Leave tree clumps of 3 or more trees.	Cut trees shall be directionally felled away from leave tree clumps to avoid slash buildup in or around the clumps.

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. (2/02) 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 closure by **Contractor** after operations. Provision **K-F.4.1# - Closure to Use by Others** contains a listing of the roads requiring the 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. Scarification of traveled ways on Specified Roads, shall be to a minimum depth of 1.0 inches and a maximum depth of 3.0 inches with the objective of preparing the site for seeding.

Seed and fertilizer (where applicable) shall be spread evenly at the rate of 35 pounds of seed and 100 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 May 1 to June 1 or September 1 to October 15 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
Mountain Brome	12.9 (37%)
Annual Rye Grass	8.8 (25%)
Perennial Ryegrass	5.4 (15%)
Sheep Fescue	4.8 (14%)
Hard Fescue	3.1 (9%)
TOTAL	35 lbs./acre

Certified, blue-tagged seed shall be used where a name variety or cultivar is specified. Blue tags which are removed to mix the seed shall be provided to the Forest Service.

All seed purchased will be certified to be free of the noxious weed seeds from weeds listed on the current "All States Noxious Weeds List."

Test results from a certified seed analyst and seed analysis labels attached to the bags will be provided to the Forest Service. Lab testing for noxious weeds will be conducted prior to seed mixing. Only after a finding and documentation in writing of no weeds on the current "All States 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
16-16-16	100

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 one (1) inch 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.

Slash Treatment Plan

Unless otherwise agreed in writing, Contractor shall perform the following work described below and shown on the Hazard Reduction & Site Preparation Map. Forest Service and Contractor shall jointly develop a schedule for completion of slash treatment on the various portions of the contract area.

Clean System Roads: ALL UNITS

Contractor shall dispose of all logging slash 1 inch large end diameter and 3 feet in length which is created within the clearing limits of system roads. Slash will be piled for later burning within the right-of-way clearing unless an alternate method of slash disposal is agreed to in writing. Piles will be reasonably compact and free of soil to facilitate burning. Piles will be of size and location, which will not impair road use. Piles will be a minimum of twice their diameter from any residual timber.

Slash Throwback – All units, except 64 and 90

Contractor shall move all logging slash that falls outside of unit back inside unit boundary 8 feet.

Leave Limbs and Tops – Units 38C, 108B, 109, 255 and 256

All included timber shall have tops and limbs cut from the stem prior to skidding. These tops and limbs will be left in the cutting unit where the timber is felled.

Yard Limbs and Tops– Units 35 (skyline portion), 41, 64, 65A, 65C and 90

Contractor shall leave limbs and tops attached to Included Timber and yard them to

landings within units as shown on the Hazard Reduction and Site Preparation Map. Tops and limbs which are lost on the way to the landing site due to normal felling, skidding and/or yarding operations are not required to be yarded.

Hand Fireline Construction: – All or Portions of Units 35, 38C, 38E, 38F, 41, 65A, 65B, 65D, 73A, 73B, 74, 108A, 108B, 109, 251, 253A, 253B, 255, 256 and 296

Fireline shall be constructed by hand around the perimeter or portions of the perimeter as designated on the Hazard Reduction & Site Preparation Map. An 8 foot wide fuelbreak shall be cleared of all vegetative debris larger than 1 inch in diameter and 3 feet long. All vegetative material removed from the fuelbreak shall be scattered within the unit and not windrowed or otherwise concentrated adjacent to the fuelbreak. Large fuels, such as chunks of logs, shall be placed parallel to the slope so they will not roll down the slope during burning operations. On the exterior edge of the fuelbreak, a fireline will be constructed with a continuous mineral soil line not less than 2 feet in width to completely expose mineral soil. Firelines installed along the bottom of a unit on slopes over 35% will be 'V' shaped, at least 12 inches deep, with dirt thrown over the duff and debris just outside the mineral soil line. The total width of the fireline and fuelbreak will not exceed 10 feet. Cross ditches will be properly constructed and installed at intervals designated by the Forest Service to insure adequate water diversion. Any fuels outside of the mineral soil fireline which extend over it and within 8 feet of the ground shall be removed and scattered within the cutting unit away from the fuelbreak.

Machine Fireline Construction – Portions of Units 35, 38E and 296

Fireline shall be constructed by machine around the perimeter, portions of the perimeter of the cutting units or at locations as shown on the Hazard Reduction & Site Preparation Map. A fuelbreak shall be cleared of all vegetative debris larger than 1 inches in diameter 3 feet long for a minimum width of 8 feet. All vegetative material removed from the fuelbreak shall be scattered within the unit and not windrowed or otherwise concentrated adjacent to the fuelbreak. On the exterior edge of the fuelbreak a fireline will be constructed so that a continuous mineral soil line not less than 2 feet and greater than 4 feet shall be cleared completely to expose mineral soil. The total width of the fireline and fuelbreak will not exceed 10 feet. Slash shall not be buried or covered with dirt during the construction of the fireline. Cross ditches will be properly constructed and installed at intervals designated by the Forest Service to insure adequate water diversion.

Fuel Break Construction – Portions of Units 73A, 74, 108B, 255 and 256.

Fuelbreaks shall be constructed by hand or machine around the perimeter, portions of the perimeter of the cutting units or at locations as shown on the Hazard Reduction & Site Preparation Map. A fuelbreak shall be cleared of all vegetative debris larger than 1 inch large end diameter and 3 feet long for a minimum width of 8 feet. Large fuels, such as chunks of logs, shall be placed in line up and down the slope so they will not roll down the slope during burning operations. All vegetative material removed from the fuelbreak shall be scattered within the unit and not windrowed or otherwise concentrated adjacent to the fuelbreak.

Hand Slashing - All or portions of Units 38C, 41, 108A, 108B, 251, 253A, 255, and 256.

Purchaser shall fell all live and dead (coniferous and deciduous) vegetation not meeting utilization standards and over 4 feet in height, unless otherwise designated to be left standing. Stump height shall not exceed 6 inches from the ground surface as measured on the uphill side. Trees shall be completely severed from the stump.

Material to be slashed within 50 feet of the boundary of a unit shall be felled toward the center of the unit. Any material which falls outside of the unit shall be returned to a minimum of 8 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.

Leave Tree Protection: Activity Code 4466 – Units 65B and 65C

Purchaser shall remove all logging slash created by the Purchaser operations from around the base of all White Pine, Ponderosa Pine and Larch leave trees for a distance of 15 feet on the sides, 20 feet above and 20 feet below the bole of the leave trees. The fuel break shall be cleared of all vegetative material larger than 1 inches in diameter on the large end and 3 feet long or longer in length. Large fuels, such as chunks of logs, will be placed in line up and down the slope so they will not roll down slope during burning operations. The slash will not be piled or windrowed but scattered so as not to concentrate the slash around the perimeter of the fuel break.

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.
- D. Special precautions to be taken before burning.
- E. 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.8.0.4 - SCALING CEDAR PRODUCTS. (10/04) A cedar product log shall be a western red cedar log, or portion thereof, not meeting minimum sawlog specifications as shown in **A.2**.

A product log or piece must meet the following specifications:

Net Useable End		Minimum Net	
Minimum Length	Area in % of Gross	Minimum Diameter	Volume
10' 3"	20	8.0" (44 square inches)	4.0 cubic feet

A minimum shell or soundwood thickness of 4.5 inches must be present in logs or portions of logs in order to be suitable for cedar products. Useable end area must contain sound material in units of at least 4.5 inches by 4.0 inches in end area.

Logs purposely cut in shorter lengths shall be measured and paid for.

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

K-G.8.2.2 - PRESENTATION FOR WEIGHT SCALING. (10/04) To facilitate the requirement of **G.8.2** that loads be presented so that they may be weighed in an economical and safe manner, and to aid in the accountability requirements of **G.8.4**, 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 as a single unit with the gross and tare weights stamped and recorded by an automatic recording device on the scales. In addition to the gross weight and the tare weight of the load, Contractor shall record the following information on each weight slip:

- a. Contract name
- b. Load Removal Receipt number
- c. Date and time weighed

C. Maintain load accountability from the Contract 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 Receipt number and contract designation. Contractor shall, within **24** hours, load out such lost products and present them for weighing or make other arrangements acceptable to Forest Service.

D. Clearly and legibly paint the last three digits of the Load Removal Receipt in large numbers in **BLACK** colored paint on the back end of at least three (3) logs of every load transported from the Contract Area.

K-G.8.2.3 - VOLUME DETERMINATION. (10/04) Volume determination shall be based on Weight Measurement unless otherwise agreed. Products shall be weighed on certified scales at locations agreed to by Contractor and Forest Service. The weight ticket, showing contract name, truck ticket number, date and time weighed, and the gross and tare weights, shall be attached to the Truck Ticket Scaler Receipt/Permit and placed in the location(s) as designated by the Forest Service. Upon request, Contractor shall furnish Forest Service a copy of the scales certification.

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

If load removal receipts or weigh tickets 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. (10/04)

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

A. Requirements Applicable to Contractor 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. Requirements Applicable to Woods Receipt Ticket Book

a. 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. Forest Service will issue to Contractor or designated representative(s) serially numbered Woods Receipt ticket books for use only on this contract. Woods Receipt ticket books whether used or unused shall be accountable property of Forest Service and shall be returned to issuing District Ranger in accordance with instructions contained on cover of each book.

The Woods Receipt tickets for the 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.

b. Contractor shall require:

1. All receipts 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, contract name, and destination where products will be weighed. Receipts shall be attached in accordance with instructions on inside cover of Woods Receipt ticket book.
2. Before products are hauled, truck driver will sign legal signature in ink on Woods Receipt stub.
3. Contractor shall assure that all used Scaler Receipts are returned to the issuing Contracting Officer or as otherwise agreed.

C. Requirements Applicable to Weight Slips

a. Contractor shall assure that:

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

K-G.8.4.9 - ROUTE OF HAUL. (10/04) Within 60 days of date Forest Service executes and returns contract and as part of the annual Operating schedule, Contractor shall furnish Forest Service 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

Forest Service written approval of the haul route(s) and weight scales is prerequisite to commencement of Contractor's Operations. The designated weight scales must be certified to be acceptable by Forest Service. The Contractor may be required to furnish Forest Service a copy of certification upon request.

Upon advance written agreement, other haul routes may be approved. All products removed from Contract Area shall be transported over the 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.

Contractor shall require truck drivers to stop, if requested by the Forest Service, for accountability checks when products are in transit from Contract Area to the designated weighing location.

Locations for accountability checks shall be agreed to by Contractor and Forest Service in advance of haul. Such locations shall be established only in areas where it is safe to stop trucks. Forest Service will 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. See attached Appendix A for work location, detailed and standard specifications.

Project A – Landing Slash Cleanup and Disposal: All landings: See attached details in Appendix A and Contract Area Map for project description, specifications and designation.

Project B (B1-B7.10) – Hand Application Weed Spraying: Weed Spraying portions of timber harvest units 41 and 74 and weed spraying individual weed infestation areas, ranging from 1 to 86 acres in size, within North Lochsa Face project area. See attached details in Appendix A and Contract Area Map for project description, specifications and designation.

Project C (C1-C4) – Roadside Weed Spraying: Roadside Weed Spraying of Where's Walde Contract Haul roads and open roads within the North Lochsa Face project area. See attached details in Appendix A and Contract Area Map for project description, specifications and designation.

Project D (D1-D4) – Landing and Tractor Skid Trail Subsoiling; Units 38A, 38B, 38D, 253A and 253C: See attached details in Appendix A and Contract Area Map for project description, specifications and designation.

Project E (E1-E6) - Machine Piling and Site Preparation: Units 38A, 38B, 38D, 38G, 253A (tractor portion) and 253C.

Project F (F1-F6) –Roadway Storage: See attached details in Appendix A and Contract Area Map for project description, specifications and designation.

Project G (G1-G13) –Roadway Decommissioning: See attached details in Appendix A and Contract Area Map for project description, specifications and designation.

K-G.9.2.9 - REQUIREMENT FOR FOREST PRACTICES ACT NOTIFICATION.

(10/01) To meet the requirements of the State of Idaho Forest Practices Act, as it relates to the Clean Water Act, the Contractor shall, at time of execution of this contract, complete the notification forms prescribed by the Idaho Department of Lands and submit them to the Contracting Officer for acceptance. The original will be retained by the Forest Service with a copy provided to the Contractor. The Contracting Officer will mail the remaining copies to:

Idaho Department of State Lands
3780 Industrial Avenue South
Coeur d'Alene, ID 83815-8918

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 5 A.B.C. or higher rating.

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. Stove pipes 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.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 N/A 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.