

K-C.1.1# - TIMBER SUBJECT TO AGREEMENT (09/2004)

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

Species	Product
All Species	Grn Bio Cv

that shall be Included Timber upon written agreement.

K-C.3# - RESERVE TREES (09/2004)

Notwithstanding the designations for cutting under C.3.1, C.3.2, C.3.3, or C.3.4, live or dead Genetic reserve trees or groups of reserve trees within such cutting units or clearings shall be left uncut. Reserve trees are identified by orange paint above and below stump height and shall be protected in accordance with K-G.3.2#. Units with reserve trees are shown on Contract Area Map.

K-C.3.5.7# - INDIVIDUAL TREE DESIGNATION (OPTION 1) (06/2008)

All live trees as described in the table attached which meet the minimum tree diameter stated in A.2 are designated for cutting. Additional timber to be cut, if any, will be designated for cutting in accordance with C.3.7.

Leave trees, Marked with orange paint, or identified by, see attached table, are not to be cut, unless designated by the Forest Service.

K-D.4.7# - ABNORMAL DELAY (05/2005)

Unless otherwise agreed, felled timber meeting Utilization Standards shall be removed by Contractor pursuant to C.2 and shall be presented for Scaling within the time period indicated in the following removal schedule. The number of days shown are consecutive calendar days.

- Failure to remove and present such timber for Scaling within the required time limits will be considered abnormal delay, subject to D.4.7.

**See attached removal schedule.**

DESCRIPTION PURSUANT TO K-C.3.5.7# - INDIVIDUAL TREE DESIGNATION (OPTION 1)  
(06/2008)

End Results - The treatments will result in desired species at various stocking levels in patterns that would have occurred historically.

**1. Definitions**

Variable Density Thinning - Retaining leave trees that are the largest, best quality, and most healthy trees within a stand at various stocking levels in patterns that would have occurred historically.

DSH - Diameter Stump Height - Diameter of a tree measured outside bark at 1" above the ground on the uphill side of the tree.

DBH - Diameter Breast Height - Diameter of a tree measured outside bark at 4.5 feet above the ground on the uphill side of the tree.

**2. Subdivisions #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 16**

Tree Selection

1. The objective is to reduce LP and increase the percentage of PP.
2. Leave all live Coniferous species greater than or equal to 26.0" DSH regardless of stocking levels, damage, insects, or disease. Residual stocking may exceed the target basal area per acre range with trees larger than 26.0" DSH.
3. Leave ponderosa pine trees with old growth characteristics such as reddish-orange bark and wide plates about equal to fissure widths or larger.
4. Thin PP to 60-80 square feet of basal area. Target basal area includes all trees >7.0" DBH.
5. After leaving all Coniferous species greater than or equal to 26" DSH, make up the remainder of the desired residual stocking by retaining the old trees, and then the best younger available leave trees.
6. Remove all LP meeting minimum specification in A.2 to 26.0" DSH.
7. Species preference takes priority over preferred tree characteristics (except for old trees). Ponderosa pine (PP), sugar pine (SP) and incense cedar (IC) are preferred species for retention in order of preference. White fir (WF) and lodgepole pine (LP) are targeted for removal.
8. Leave intermediate and suppressed trees if they cannot be removed without damaging the leave trees.
9. All PP, SP and WP snags and down wood greater than 10.0" in diameter and larger will be retained unless determined to be a hazard during Contractor's operations. Large snags 26.0" DSH and greater may be felled for safety, but must be left on site for down woody material.

**3. Subdivisions #13, 14, 15, 17**

1. These stands are a mix of PP and LP. The objective is to release the PP understory by removing the LP overstory.
2. Remove all LP meeting minimum specifications in A.2 to 26.0" DSH.
3. Where PP is available for stocking, thin PP to 60-80 square feet of basal area. Target basal area includes all trees >7.0" DBH.
4. Young PP that meet the criteria of 4.5 feet tall or greater at the terminal bud and of good form will be protected as leave trees through operations, when feasible.
5. When no PP or LP understory exists, LP greater than 6.0" DSH and less than 9.0" DSH will be left in 1/10 acre to 1/2 acre clumps, or as individuals over 10% of the unit area to meet irregular spatial arrangement objectives of clumps and variable densities and to retain both vertical and horizontal structure.

**4. Subdivisions (#p3ul)**

The objective is to retain the meadow complex by removing encroaching LP.

1. Remove all Live LP and WF meeting minimum specifications in A.2 up to 26.0" DSH.
2. Retain all ponderosa pine.
3. Retain when applicable 3-5 greater than 10.0" DBH snags per acre.

REMOVAL SCHEDULE PURSUANT TO K-D.4.7# - ABNORMAL DELAY (05/2005)

<u>Included Timber</u>	<u>Time Limits</u>
ALL.	60 days after felling is started.
All timber decked during construction clearing.	N/A days after felling on each Specified Road constructed by Contractor is initiated.
Timber decked during road construction.	N/A days after Forest Service authorizes Contractor to use roads pursuant to F.2.

K-E.2.2 - CHANGES IN STEWARDSHIP CREDITS (06/2008)

The Contracting Officer may at any time, by written order, make changes within the general scope of this contract in any one or more of the following:

- (1) Specifications for Stewardship Projects listed in K-G.9#.
- (2) Quantities of Stewardship Projects listed in A.4.3.
- (3) Prices for Stewardship Projects listed in A.4.3.
- (4) Place of performance of the Stewardship Projects as shown on the Contract Area Map.

In addition, by written agreement, new Stewardship Projects may be added to K-G.9# and A.4.3 as long as they are within the general scope of this contract. Contract Area may be expanded to add new stewardship projects.

If a written change order causes an increase in the time required for performing any part of the work under this contract, the Contracting Officer shall make an adjustment in the Contract Termination Date and shall modify the contract accordingly.

The Contractor must assert their right to equitable adjustments under this provision within 30 days from receipt of the written order. However, if the Contracting Officer decides that the facts justify it, the Contracting Officer may receive and act upon a proposal submitted before contract closure.

If the Contractor's proposal includes the cost of property made obsolete or excess by the change, the Contracting Officer shall have the right to prescribe the manner of the disposition of the property.

Failure to agree to an adjustment under this provision shall be considered a dispute under J.2. However, nothing in this provision shall excuse the Contractor from proceeding with the contract as changed.

In addition, by written modification of the contract, new Stewardship Projects may be added to K-G.9# and A.4.3, with or without expanding the Contract Area, as long as they are within the general scope of this contract.

K-E.4 - PAYMENTS NOT RECEIVED (08/2012)

(a) Payments are due and payable on the date of issue indicated on the bill for collection. When a payment for timber cut and other charges is not received at the location designated by Forest Service by the date specified in the bill for collection, Contracting Officer will suspend all or any part of 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.1.2# - USE OF ROADS BY CONTRACTOR (09/2004)

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:

Code	Use Limitations
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:

**See Restricted Road List Table.**

TABLE PURSUANT TO K-F.1.2# - USE OF ROADS BY PURCHASER (09/2004)

**Restricted Road List**

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
7645000	7645000	M.P. 0.34	M.P. 0.83	R	Haul restricted from March 1 to July 31.
7645030	7645030	M.P. 0.05	M.P. 0.16	R	Haul restricted from March 1 to July 31.

**Title and Date of Governing Road Rules Document:**

Commercial Road Rules  
 Fremont-Winema National Forests  
Commercial Road Rules

June 15, 2006  
Effective Date

K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/2004)

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

**See Contract Road Maintenance Requirements Summary Table.**

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 TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/04)

**Contract Road Maintenance Requirements Summary**

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications					
	From	To		T803	T838	T839	T842	T851	T854
76008 50 Seg 1	Silverlake Hwy	7600853	1.05	P	P		P		P
76008 50 Seg 2	N. Bndy Unit 17	7649040	0.20	P	P		P		P
76008 51	7600850	7600893	0.50	P		P			P
76008 53	7600850	7600890	0.80	P		P			P
76008 90	Silverlake Hwy	7600918	2.34	P	P		P		P
76008 91	7600890	7600851	0.97	P		P			P
76008 92	7600890	M.P. 0.15	0.15	P		P			P
76008 93	7600890	7600851	0.44	P		P			P
76008 94	7600893	End of road	0.23	P		P			P
76008 96	7600890	7600894	0.46	P		P			P
76008 97	7600890	7600910	0.69	P		P			P
76008 98	7600890	End of road	0.32	P		P			P
76008 99	7600890	7600850	0.45	P		P			P
76009 10	Silverlake Hwy	S. Bndy Unit 02	2.46	P	P		P		P
76009 11	7600910	7600890	0.58	P		P			P
76009 12	7600910	7600911	0.17	P		P			P
76009 13	7600910	End of road	1.07	P		P			P
76009 14	7600913	End of road	0.13	P		P			P
76009 15	7600910	7600897	0.76	P		P			P
76009 16	7600910	7600913	0.24	P		P			P
76009 17	7600910	End of road	0.17	P		P			P
76009 18	7600910	7600890	0.70	P		P			P
76009 40	Silverlake Hwy	7600913	0.04	P		P		P	P

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 TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/04)

**Contract Road Maintenance Requirements Summary**

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications					
	From	To		T803	T838	T839	T842	T851	T854
76009 71	Silverlake Hwy	M.P. 0.25	0.25	P		P			P
76450 00	Silverlake Hwy	7649040	2.22	P	P				P
76450 30	7645000	7600850	1.11	P		P			P
76450 80	7645000	7600850	0.67	P		P			P
76450 86	7645030	End of road	0.22	P		P			P
76451 00	7645000	End of road	0.28	P		P			P
76490 00	Silverlake Hwy	M.P. 0.25	0.31	P	P				P
76490 40	7600850	7645000	0.77	P	P				P
76490 44	7600890	W. Bndy Unit 06	0.30	P		P			P

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

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 TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/04)

**Contract Road Maintenance Requirements Summary**

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications						
	From	To		T803	T838	T839	T854			
76008 50 Seg 1	Silverlake Hwy	76008 53	1.05	P	P		P			
76008 50 Seg 2	N. Bndy Unit 17	76490 40	0.20	P	P		P			
76008 51	7600850	76008 93	0.50	P		P	P			
76008 53	7600850	76008 90	0.80	P		P	P			
76008 90	Silverlake Hwy	76009 18	2.34	P	P		P			
76008 91	7600890	76008 51	0.97	P		P	P			
76008 92	7600890	M.P. 0.15	0.15	P		P	P			
76008 93	7600890	76008 51	0.44	P		P	P			
76008 94	7600893	End of road	0.23	P		P	P			
76008 96	7600890	76008 94	0.46	P		P	P			
76008 97	7600890	76009 10	0.69	P		P	P			
76008 98	7600890	End of road	0.32	P		P	P			
76008 99	7600890	76008 50	0.45	P		P	P			
76009 10	Silverlake Hwy	S. Bndy Unit 02	2.46	P	P		P			
76009 11	7600910	76008 90	0.58	P		P	P			
76009 12	7600910	76009 11	0.17	P		P	P			
76009 13	7600910	End of road	1.07	P		P	P			
76009 14	7600913	End of road	0.13	P		P	P			
76009 15	7600910	76008 97	0.76	P		P	P			
76009 16	7600910	76009 13	0.24	P		P	P			

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 TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/04)

**Contract Road Maintenance Requirements Summary**

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications						
	From	To		T803	T838	T839	T854			
76009 17	7600910	End of road	0.17	P		P	P			
76009 18	7600910	76008 90	0.70	P		P	P			
76009 40	Silverlake Hwy	76009 13	0.04	P		P	P			
76009 71	Silverlake Hwy	M.P. 0.25	0.25	P		P	P			
76450 00	Silverlake Hwy	76490 40	2.22	P	P		P			
76450 30	7645000	76008 50	1.11	P		P	P			
76450 80	7645000	76008 50	0.67	P		P	P			
76450 86	7645030	End of road	0.22	P		P	P			
76451 00	7645000	End of road	0.28	P		P	P			
76490 00	Silverlake Hwy	M.P. 0.25	0.31	P	P		P			
76490 40	7600850	76450 00	0.77	P	P		P			
76490 44	7600890	W. Bndy Unit 06	0.30	P		P	P			

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

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 TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/04)

**Contract Road Maintenance Requirements Summary**

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications					
	From	To		T838	T839	T854			
76008 50 Seg 1	Silverlake Hwy	7600853	1.05	P		P			
76008 50 Seg 2	N. Bndy Unit 17	7649040	0.20	P		P			
76008 51	7600850	7600893	0.50		P	P			
76008 53	7600850	7600890	0.80		P	P			
76008 90	Silverlake Hwy	7600918	2.34	P		P			
76008 91	7600890	7600851	0.97		P	P			
76008 92	7600890	M.P. 0.15	0.15		P	P			
76008 93	7600890	7600851	0.44		P	P			
76008 94	7600893	End of road	0.23		P	P			
76008 96	7600890	7600894	0.46		P	P			
76008 97	7600890	7600910	0.69		P	P			
76008 98	7600890	End of road	0.32		P	P			
76008 99	7600890	7600850	0.45		P	P			
76009 10	Silverlake Hwy	S. Bndy Unit 02	2.46	P		P			
76009 11	7600910	7600890	0.58		P	P			
76009 12	7600910	7600911	0.17		P	P			
76009 13	7600910	End of road	1.07		P	P			
76009 14	7600913	End of road	0.13		P	P			
76009 15	7600910	7600897	0.76		P	P			
76009 16	7600910	7600913	0.24		P	P			
76009 17	7600910	End of road	0.17		P	P			
76009 18	7600910	7600890	0.70		P	P			
76009 40	Silverlake Hwy	7600913	0.04		P	P			

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 TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/04)

**Contract Road Maintenance Requirements Summary**

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications					
	From	To		T838	T839	T854			
76009 71	Silverlake Hwy	M.P. 0.25	0.25		P	P			
76450 00	Silverlake Hwy	7649040	2.22	P		P			
76450 30	7645000	7600850	1.11		P	P			
76450 80	7645000	7600850	0.67		P	P			
76450 86	7645030	End of road	0.22		P	P			
76451 00	7645000	End of road	0.28		P	P			
76490 00	Silverlake Hwy	M.P. 0.25	0.31	P		P			
76490 40	7600850	7645000	0.77	P		P			
76490 44	7600890	W. Bndy Unit 06	0.30		P	P			

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

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION TABLE PURSUANT TO  
 K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/04)

Road No.	Termini	Special Project Specification	Travel Way		Brush And Log Out	Surfacing	Dust Abatement		Seasonal Maintenance	Snow Removal	Post Haul	
			Width	Slope			Product	Rate			Block	Treat
7600850 Seg 1	Silver-lake Hwy 7600853	812.03-02F	EX	AI	4 ft. R and L OPT					TS		P
7600850 Seg 2	N. Bndy Unit 17 7649040	812.03-02F	EX	AI	4 ft. R and L OPT					TS		P
7600851	7600850	812.03-02F	EX	AI					W	TS		P
7600853	7600850	812.03-02F	EX	AI					W	TS		P
7600890	Silver-lake Hwy 7600890	812.03-02F	EX	AI	4 ft. R and L OPT					TS		P
7600891	7600890	812.03-02F	EX	AI					W	TS		P
7600892	7600890	812.03-02F	EX	AI					W	TS		P
7600893	7600890	812.03-02F	EX	AI					W	TS		P
7600894	7600893	812.03-02F	EX	AI					W	TS		P
7600896	7600890	812.03-02F	EX	AI					W	TS		P
7600897	7600890	812.03-02F	EX	AI					W	TS		P
7600898	7600890	812.03-02F	EX	AI					W	TS		P
7600899	7600890	812.03-02F	EX	AI					W	TS		P
7600910	Silver-lake Hwy 7600890	812.03-02F	EX	AI	4 ft. R and L OPT					TS		P

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/04)

Road No.	1	2	3		4	5	6		7	8	9
			Special Project Specification	Termini			Travel Way	Brush And Log Out			
			Width	X Slope			Product	Rate			Block Treat
7600911	7600910	7600890	EX	AI					W	TS	P
7600912	7600910	7600911	EX	AI					W	TS	P
7600913	7600910	End of road	EX	AI					W	TS	P
7600914	7600913	End of road	EX	AI					W	TS	P
7600915	7600910	7600897	EX	AI					W	TS	P
7600916	7600910	7600913	EX	AI					W	TS	P
7600917	7600910	End of road	EX	AI					W	TS	P
7600918	7600910	7600890	EX	AI					W	TS	P
7600940	Silver-lake Hwy	7600913	EX	AI					W	TS	P
7600971	Silver-lake Hwy	M.P. 0.25	EX	AI					W	TS	P
7645000	Silver-lake Hwy	7649040	EX	AI						TS	P
7645030	7645000	7600850	EX	AI					W	TS	P
7645080	7645000	7600850	EX	AI					W	TS	P
7645086	7645030	End of road	EX	AI					W	TS	P
7645100	7645000	End of road	EX	AI					W	TS	P
7649000	Silver-lake Hwy	M.P. 0.25	EX	AI						TS	P
7649040	7600850	7645000	EX	AI						TS	P



ROAD MAINTENANCE REQUIREMENTS SPECIFICATION CODES TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/2004)

Column No.	Heading	Entry	Explanation
	Any	Blank	Except as otherwise described, no entry indicates Contractor is not authorized or required to perform the work item(s).
	Any	RC	This work requirement applies only when haul of project related construction materials occurs.
2	Special Project Specification	Number	Entry indicates Special Project Specification which applies.
3	Travel Way	EX  Numbers  IS, C, OS, F, or AI  A or B	<p>Contractor shall maintain the traveled way to the width existing upon entry, or at the completion of Specified Road work.</p> <p>Contractor shall maintain the traveled way to the standard width indicated by the entry, plus curve widening, in accordance with Section T-811. If required, the road template shall be shaped to this width and to the designated cross slope before haul and during recurring maintenance.</p> <p>Cross slopes are designated as: IS (Inslope), C (Crown), OS (Outslope), F (Flat), AI (As Is).</p> <p>If compaction is required.</p>
4	Brush and Log Out	Numeric & R and or L  As Staked	<p>Contractor shall remove brush for specified width on either or both the right (R) side or left (L) side of road.</p> <p>Limits of brushing are as staked or marked in the field.</p>

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION CODES TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/2004)

Column No.	Heading	Entry	Explanation
		OPT	Contractor may use hand or mechanical means of brushing.
		H	Only hand brushing may be used.
5	Surfacing	Aggregate Grading	Contractor shall place surfacing on roads listed according to the grading indicated.
6	Dust abatement	OPT	Product selection is Contractor's choice from those listed in Section T-812.
		Product Abbr.	Unless otherwise agreed, Contractor is restricted to product listed corresponding to the abbreviation shown in Section T-812; (i.e., LigS = Lignon Sulfonate) Application rates are estimated amounts.
		EX	Contractor shall abate dust on the existing width
		Numbers	Contractor shall abate dust to the width indicated by entry.
7	Seasonal Maintenance	W	Waterbars and/or crossditching shall be required prior to expected seasonal precipitation.
		B	Entrance barriers shall be installed by Purchaser prior to nonuse periods.
8	Snow Removal	TS	Snowplowing authorized for Contractor's Operations without recreation access being provided per Section T-803 requirements.

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION CODES TABLE PURSUANT TO  
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (09/2004)

Column No.	Heading	Entry	Explanation
		<p>JU</p> <p>Blank</p>	<p>Snowplowing authorized, but must provide for recreation joint use per Section T-803 requirements.</p> <p>Snowplowing is not authorized. Forest Service may authorize plowing by permit when not in conflict with other uses.</p>
9	Post Haul	P	P denotes that work is Contractor's Responsibility to perform.

K-G.2.4# - SITE SPECIFIC SPECIAL PROTECTION MEASURES (09/2004)

Special protection measures needed to protect known areas identified on Sale Area Map or on the ground include:

Cultural Resource Protection Measures: n/a

Wildlife and Botanical Protection Measures: All operations and haul prohibited from March 1 to July 31 in area shown on CAM. Protection of Wildlife Areas shown on CAM may be skid through with approval from Forest Service.

Cave Resource Protection Measures: n/a

K-G.3.1.5# - PROJECT OPERATION SCHEDULE (05/2005)

Unless otherwise agreed to between Contractor and Forest Service, Contractor's Operations shall be performed in accordance with the following schedule.

See attached schedule.

SCHEDULE PURSUANT TO K-G.3.1.5# - PROJECT OPERATION SCHEDULE (05/2005)

<u>Subdivision</u>	<u>Operation Conditions</u>	<u>Purpose</u>
Riparian On Map	All operations are prohibited within 440 yards of riparian from May 1 through June 30	To avoid disturbance to Deer fawning and Elk calving
Raptors	No operations within 440 yards of nest(s) as shown on Contract Area Map	To protect bird

K-G.3.2# - PROTECTION OF RESERVE TREES (09/2004)

Contractor's damage or destruction of reserve trees described in K-C.3# will cause serious and substantial silvicultural or other damage to the National Forest. It will be difficult if not impossible to determine the amount of such damage. Therefore, Contractor shall pay as fixed, agreed, and liquidated damages \$ 300 for each Genetic reserve tree and \$ n/a for each n/a reserve tree damaged or destroyed by Contractor's Operations, in addition to amounts payable under D.4.5 and D.4.6.

Damage, as used herein, includes any injury to the living crown, bole, or roots of reserve trees. If areas are marked on the ground around such reserve trees, operation of heavy equipment or skidding of products within the area shall be considered to be damage to the tree.

K-G.4.0.5 - ALTERNATE REMOVAL OF INCLUDED TIMBER (05/2005)

Contractor and Forest Service may agree to alternate removal requirements of Included Timber contained in A.2. Alternate removal requirements are to be set forth in an agreement signed by both Contractor and Contracting Officer. The terms of the agreement binds both parties and becomes part of the stewardship contract.

The development and execution of the agreement is based upon the determination by the Contracting Officer that removal of Included Timber is economically impractical if Contractor has no ready market for such logs in the tributary area. A tributary area is defined as the area in which the Contractor and competitors regularly deliver saw logs, or 200 miles from the Contract Area, whichever distance is greater.

The agreement for alternate removal requirements shall be executed prior to removing any timber from the Subdivisions included in the agreement. Alternate removal requirements shall apply only to whole units and not to portions of units. All material meeting alternate removal specifications shall be cut and removed to locations designated in the agreement.

Volumes of material with alternate removal requirements will be determined from the National Cruise report for the project. Contractor will be charged for the following:

- a) stumpage value at current contract rates of the alternatively removed timber;
- b) plus the cost of other work required by the Forest Service to dispose of alternatively removed material;
- c) plus the difference between the appraised transportation cost of the Sawtimber and/or Nonsawtimber material involved and the appraised transportation cost of the alternative;
- d) minus any work required to be completed by the Contractor associated with alternate removal requirements.

Charges will be debited to the Contractor's Integrated Resource Account.

Upon acceptance of the alternate removal requirements, the Subdivision will be removed from the Contract Area under G.3.6.

Title to material included in the alternate removal agreement shall remain with the Forest Service.

K-G.4.1# - SPECIFIC REQUIREMENTS (05/2005)

Notwithstanding G.4.1, G.4.1.1, G.5 and G.6.1, felling objectives shall be accomplished by the type of felling methods and equipment listed herein. Methods or equipment other than those specified may be approved. For Subdivisions shown in the following table, Contractor shall submit a cutting plan for Forest Service acceptance, prior to the start of felling operations.

See attached Table.

TABLE PURSUANT TO K-G.4.1# - SPECIFIC REQUIREMENTS (05/2005)

FELLING METHODS

SUBDIVISIONS

If included in your Technical Proposal and accepted by the Forest Service, mechanized felling equipment will operate in a manner which will minimize detrimental to less than 20% soil disturbance and minimize damage to residual trees and reproduction.

All but P3U1

If included in your Technical Proposal and accepted by the Forest Service, mechanized felling equipment will operate in a manner which will minimize detrimental to less than 10% soil disturbance and minimize damage to residual trees and reproduction.

P3U1

FELLING EQUIPMENT

SUBDIVISIONS

As accepted by the Forest Service

All

K-G.4.1.8# - TREATMENT OF STUMPS (OPTION 2A) (05/2005)

Unless otherwise agreed to in writing, in areas shown on Contract Area Map, Contractor shall treat the stumps of all live conifir trees cut by Contractor that have a stump diameter larger than 18 inches. Treatment should be done as soon after tree felling as practical, preferably within 1 or 2 hours, but no later than 24 hours. Treatment shall consist of removing sawdust and other loose debris from the cut surface of the stump including exposed wood surfaces on all sides, and apply powder or liquid borax according to the following instructions:

POWDER APPLICATION - Apply enough borax to lightly cover stump surface including exposed wood surfaces on all sides (approximately 1 pound borax per 50 square feet of exposed wood surface). Apply the material to all exposed wood surfaces. Stumps should be level and have no splinters for most effective use. Best method of application is to sprinkle the material salt shaker style on the freshly cut stump surface. Care should be used during application to minimize off-site application of this material. A powder dye red shall be added to the borax as an aid to insure complete coverage.

LIQUID APPLICATION - A 10 percent aqueous solution can be used for treatment. Apply the solution by brush, or spray, to the stump until the surface is thoroughly wet (approximately 1 gallon per 40 square feet of exposed wood surface). Apply the material to all exposed wood surfaces. A liquid dye shall be added to the borax solution as an aid to insure complete coverage.

Contractor shall only use material registered by the Environmental Protection Agency (EPA) for annosus root disease control and follow all applicable label instructions.

K-G.4.2# - YARDING/SKIDDING REQUIREMENTS (05/2005)

Contractor shall submit for Forest Service approval a Yarding/Skidding Plan prior to the start of felling operations. Requirements other than those specified in the following table may be approved. When appropriate, such approval shall include adjustments in Current Contract Rates and revision of the Contract Area Map. In no such case shall the adjustments result in Current Contract Rates less than Base Rates.

Location of all skid roads and trails, tractor roads, skyline corridors, mechanized harvester trails, forwarder roads, and other log skidding facilities, shall be approved prior to their use or construction.

**See attached table for requirements.**

TABLE PURSUANT TO K-G.4.2# - YARDING/SKIDDING REQUIREMENTS (05/2005)

<u>YARDING/SKIDDING REQUIREMENTS</u>	<u>SUBDIVISIONS</u>
Ground based equipment is required	All
If included in your Technical Proposal and accepted by the Forest Service, mechanized felling equipment will operate in a manner which will minimize detrimental to less than 20% soil disturbance and minimize damage to residual trees and reproduction. Crossings of ephemeral streams as shown on Contract Area Map will be at right angles and minimized as much as possible.	All but P3U1
If included in your Technical Proposal and accepted by the Forest Service, mechanized felling equipment will operate in a manner which will minimize detrimental to less than 10% soil disturbance and minimize damage to residual trees and reproduction. Crossings of ephemeral streams as shown on Contract Area Map will be at right angles and minimized as much as possible.	P3U1
Landings will be located so as to not be visible from the 76 road (Silver Lake HWY) and 7645 road, when possible.	1,2,3,4,5,10,13,14,P3U1,15,16
No landings inside subdivision if possible.	P3U1

K-G.6.0# - EROSION CONTROL AND SOIL TREATMENT BY CONTRACTOR (04/2014)

Erosion prevention and control work required by G.6, shall be completed within 15 calendar days after yarding/skidding operations related to each landing are substantially completed or after Forest Service designation on the ground of work where such designation is required hereunder. Said time limit shall be exclusive of full days lost in Contractor's Operations due to causes beyond Contractor's control. Such on the ground designation 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. After September 15, and as long thereafter as operations continue, the work shall be done as promptly as practicable. Damage resulting from Contractor's Operations due to failure to perform required work shall be repaired by Contractor.

On slopes greater than n/a percent, erosion control measures will be done with methods other than mechanized equipment, unless otherwise agreed.

Where soil has been disturbed or displaced on Contract Area by Contractor's Operations and where measures described in G.6 will not result in satisfactory erosion control or where subsoiling is shown on Contract Area Map, the following shall be performed. If applicable, timing of the work shall be coordinated with required scarification or subsoiling.

(a) Where staked or otherwise marked on the ground by Forest Service, seed, fertilizer, and mulch will be applied as indicated in the attached seeding, fertilizing, and mulching schedule. All applications shall be current and done during the period from n/a to n/a, unless otherwise agreed to. Applications shall be done only during favorable conditions. If Contractor and Forest Service agree, seed can be applied and covered within 10 days of ground disturbance, and may be done outside the required periods.

(b) Where shown on Contract Area Map, landings, Temporary Roads and/or skidtrails/roads shall be scarified to a depth of 20 inches to provide a seedbed for grass seed, fertilizer, and mulch. Seed, fertilizer, and mulch shall be spread evenly at the rates shown in the table. When the seed, fertilizer, and mulch are applied in separate operations, the second or third operations shall be within 10 days of the first or second.

(c) Where shown on Contract Area Map, landings, Temporary Roads, and skid trails/roads used by Contractor shall be subsoiled to a minimum depth of 20 inches, except that Forest Service may agree to lesser depths. Each subsoiler shank shall be equipped with a shoe and wings which has a total width of at least 18 inches. The design of the shank and wings will be such that the treated, compacted soil is slightly lifted and well-fractured rather than plowed, mixed, or displaced. The distance between subsoiler shank passes shall not exceed 36 inches. Treated areas shall span the total width of compaction. Subsoiling shall be kept reasonably current and shall be done during Normal Operating Season unless otherwise agreed.

(d) When agreed to, Contractor may use alternate methods of erosion control.

Seed shall meet current Forest Service requirements, with the additional requirement that no seed containing any noxious weed seed in excess of established state limitations as listed in the current "State Noxious Weed Requirements Recognized in the Administration of the Federal Seed Act" publication will be used (commonly referred to as the "all states" noxious weed seed list). Seed shall be furnished separately or in mixture in standard containers clearly marked with: (1) seed name; (2) lot number; (3) net weight; (4) percentages of purity and of germination (in case of legumes, percentage of germination to include hard seed); (5) percentage of weed seed content; and (6) certification that no noxious weed seeds in excess of established state standards are present. The contractor shall furnish the Government duplicate signed copies of a certificate, signed by a Registered Seed Technologist or Seed Analyst (certified through either the Association of Official Seed Analysis or the Society of Commercial Seed Technologists), certifying that each lot of seed has been tested in accordance with the Association of Official Seed Analysts Standards within 12 months prior to date of application. This certificate shall include (1) name and address of laboratory, (2) date of test, (3) lot number for each kind of seed, (4) name of seed, (5) percentage of

Contract Name: WAAKO Stewardship

germination, (6) percentage of purity, (7) percentage of weed seed content, and (8) certification that no noxious weed seeds in excess of established state limitations are present in any kind of seed.

Legume seed shall be inoculated with approved cultures in accordance with the instructions of the manufacturer.

No seed may be applied without prior written approval by the government.

(e) Contractor may be required to seed areas disturbed by harvest activities to prevent the spread of noxious weeds, or the establishment of new areas.

See attached application schedule.

APPLICATION SCHEDULE PURSUANT TO K-G.6.0# - EROSION CONTROL AND SOIL TREATMENT BY CONTRACTOR (04/2014)

SUBDIVISION OR UNIT NUMBER	AREAS A) SKID TRAILS B) FIRELINES C) TEMP. ROADS D) LANDINGS E) OTHER	SEED		FERTILIZER		MULCH	
		APPLICATION		APPLICATION		APPLICATION	
		SPECIES <u>1/</u> MIXTURE	LBS/AC	TYPE <u>2/</u>	LBS/AC	TYPE <u>3/</u>	LBS/AC
N/A							
N/A							

The Contractor will be required to pay a co-op deposit of \$.02/Ton for the cultivation and harvest of replacement seed of native species for use on future contracts.

1/ For projects in Oregon, the seed shall meet the State certification specifications. Seed must be packaged in containers carrying official certification labels sewn in, glued to, or printed upon the container, with the following information:

1. Variety (if certified as to variety) and kind.
2. Quantity of seed (pounds or bushels).
3. Class of certified seed (blue tags for certified seed).
4. Inspection or lot number traceable to the certifying agency's records.

For projects in Washington, the seed shall be labeled as "Prohibited and Restricted Noxious Weed Free for the State of Washington." The Contractor shall furnish a copy of the seed analysis.

For state of California lands in Region 6, seed must be certified by the state of California, or by an independent agency or company that is approved by the state of California for "prohibited and restricted noxious weed free for the state of California."

For mixtures of seed, each ingredient in excess of 5 percent must be listed with its percentage by weight and its germination percentage.

Legumes must be inoculated with nitrogen fixing bacteria before planting. The label must show the expiration date of the inoculant.

All seed treated with a fungicide or pesticide must be labeled that it is "treated" giving the name of the chemical used, and an appropriate warning or a caution statement.

2/ Fertilizer shall be a standard commercial fertilizer with guaranteed analysis of contents clearly marked on containers.

3/ Mulch shall meet the appropriate State's certification specifications, with evidence of its certification traceable to the certifying agency's records.

K-G.7 - SLASH DISPOSAL (06/2008)

As used in the following Subsections, the term "slash" is vegetative debris including, but not limited to, cull logs, blasted or pushed-out stumps, chunks, broken tops, limbs, branches, rotten wood, damaged brush, damaged or destroyed reproduction, saplings or poles, resulting from Contractor's Operations, including construction of roads or other improvements under this contract. Slash resulting from the construction of Specified Roads shall be disposed of as provided for in Section 201 of the Standard and Special Specifications and as shown in Drawings.

Any burning of slash or refuse by Contractor is subject to K-H.2.0.1.

Forest Service may enter into a written agreement with Contractor for the Contractor to remove slash from landings, subject to D.4.1. Brush disposal deposits paid by the Contractor for the Forest Service to burn landing piles will be credited to the Contractor's integrated resource account in the amount shown in the brush disposal plan, less the amount needed by the Forest Service for final cleanup of the landings following removal of the landing slash piles by the Contractor. The credit will be made following the final removal of all Included Timber, and slash piles, from the Contract Area.

K-G.7.4.1# - SLASH TREATMENT REQUIREMENTS (OPTION 1) (06/2008)

Contractor shall pile, burn, yard, construct firelines or otherwise treat slash defined in K-G.7, within designated areas. Work required of Contractor shall be in accordance with the following slash plan and specifications, and the Contract Area Map.

See following slash plan and specifications.

SPECIFICATIONS PURSUANT TO K-G.7.4.1# - SLASH TREATMENT REQUIREMENTS (OPTION 1)  
(06/2008)

Unless otherwise agreed, required slash work shall be completed within 30 days of removal of approximately three-quarters of the volume in the unit.

PLAN

- A. Contractor shall machine pile all landing and decking area slash in all subdivisions.
- B. Contractor shall construct a fire line around each slash pile.
- C. Contractor shall whole tree yard all trees in subdivisions.
- D. Contractor must remove slash from all roads.

Specifications

The slash treatment method for each Subdivision is to be accomplished by the Contractor in accordance with specifications listed herein.

- A. Landing and Decking Area Slash
  - 1. Machine pile all slash that is on the landing or any slash pushed up along the edge or off the landing.
  - 2. Unless otherwise agreed, decks and piles shall not be closer than Ten (10) feet from the edge of decked material on the landing or the drip line of any residual tree. Piles will be a minimum of six (6) feet in height and twelve (12) feet in diameter where practicable, and as compact as possible. Piles shall be reasonable free from dirt and rocks. Rollout of slash is required where excess dirt or rocks are in the pile.
- B. Roadway Slash
  - All slash from the Contractor's operations will be removed from the road surfaces, ditchline, culverts, and other drainage structures. Slash is to be scattered outside the clearing limits of roadways or beyond the top of cutbanks and the bottom of fill slopes, unless otherwise agreed.
- C. Whole Tree Yarding
  - All trees shall be whole tree yarded to the landing. All bucking, limbing, long-butting, etc. must be done on the landing and decking areas.

K-G.8.4 - USE OF PAINT BY CONTRACTOR (OPTION 1) (06/2006)

Notwithstanding G.8.4.2, use of paint by the Contractor within the Contract Area in the same color(s) used by the Forest Service in the preparation and administration of the contract will be by written approval of the Forest Service.

K-G.8.4.0 - ACCOUNTABILITY (04/2014)

Notwithstanding G.8.4, when Weight scaled contracts offer products at different rates in A.4.2, each product must be completely removed from a landing or decking area before another product can be removed, unless otherwise agreed to in writing by the Contracting Officer.

K-G.8.5.1 - WEIGHT OF LOST LOADS (04/2014)

Contractor shall present all loads for weighing and shall furnish a weight ticket for each load pursuant to a weighing services agreement. Any load for which a weight ticket is not provided, or the weight ticket is incomplete or unreadable, or does not include the Forest Service load receipt number, shall be considered a lost sample load with a net weight equal to the load with the heaviest net weight presented during the billing period, as established by the Forest Service.

K-G.9# - STEWARDSHIP PROJECTS (09/2004)

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

**Stewardship Projects**

TABLE PURSUANT TO K-G.9# - STEWARDSHIP PROJECTS (09/2004)

MANDATORY PROJECTS

Project Number 001 - Cut, skid and deck all green lodgepole trees that are 4.0"-6.99" DBH material. See attached requirements and specifications.

Project Number 002 - Cut lodgepole one foot in height and those up to 4.0" DBH and hand pile slash. See attached requirements and specifications.

Project Number 003 - Thinning to variable spacing 4.0"-7.99" lodgepole, 4.0"- 8.99" ponderosa. See attached requirements and specifications.

OPTIONAL PROJECTS

Project Number 004 - Thinning to variable spacing 4.0"-7.99" lodgepole, 4.0"-8.99" ponderosa. See attached requirements and specifications.

SPECIFICATIONS PURSUANT TO K-G.9# - STEWARDSHIP PROJECTS

Project 001 - **Mandatory** Cut, skid and deck all green lodgepole trees that are 4.0"-6.99" DBH material.

End Result - Restore meadow conditions by cutting and removing small diameter lodgepole pine while protecting the soil resource.

Project Location - **Unit #P3U1**

30 acres - Contract Area Map shows individual project location.

Definitions -

Slash - Material felled, cut or otherwise downed resulting from work performed under this project.

DBH - Diameter breast height measured on the uphill side of the tree at 4.5 feet from the ground.

Technical Specifications - This project is cutting and removing of pre-commercial sized lodgepole pine using a chainsaw or machine or other method. The contractor shall furnish all personnel, supervision, equipment, materials/supplies.

Cut trees shall be completely severed. Cutting shall be below the lowest live limb unless prevented by natural obstacles.

Stump shall be cut flat and height shall not exceed 6 inches, unless natural obstacles obstruct cutting.

Project 002 - **Mandatory** Cut lodgepole one foot in height and those up to 4.0" DBH and hand pile slash.

Project Location - **Unit #P3U1**

30 acres- Contract Area Map shows individual project location.

Construction and Location of Hand piles - Hand pile all created thinning slash in piles.

a) All hand slash will be piled with pieces parallel, tightly arranged and any pieces extending more than 2 feet will be, trimmed with the excess pieces of slash placed in the hand pile.

b) Hand slash piles shall be constructed so that the base is wider than the top.

c) Minimum size of slash required to be piled is diameters of 1" DBH small end and a minimum of 2 feet in length.

d) Maximum pile size shall be 8 feet in diameter by 8 feet in height, and minimum pile size shall be 5 feet in diameter and 4 feet in height.

## SPECIFICATIONS PURSUANT TO K-G.9# - STEWARDSHIP PROJECTS

e) Piles shall not be located on logs, stumps, roadways, ditches, channel bottoms, or streams. If a pile must be located on or within 1 foot of any log, a 4 foot section of the log on both sides of the pile, nearest the pile, shall be cut and placed in the pile or be moved at least 5 feet from the pile.

f) All piles shall be no closer than 10 feet from genetic trees, geological markers, fences, bearing trees, Ponderosa pine 8.0" DBH and larger, other slash piles, and 5 feet from unit boundary and stream channels. The contractor will cover all hand piles with and will provide plastic covering for the handpiles. Plastic material shall be polyethylene 4 mil or heavier. The plastic covering shall cover a minimum of 5 feet x 6 feet or cover 3/4 of the pile, whichever is greater and shall be installed when 3/4 of the pile is completed and the rest of the slash piled on top of the plastic.

Project 003 - Mandatory Thinning to variable spacing 4.0"-7.99" DBH lodgepole, 4.0"-8.99" DBH ponderosa.

End Result - The end result of this thinning is to reach the prescribed density for the total stand, and improve forest health. This project will occur on acres where the contractor is also harvesting and removing sawtimber under A.2. K-G.4.1# and K-G.4.2# specifications and requirements apply to this project.

Project Location - Units # 1, 3, 5 and 13

369 acres - Contract Area Map shows individual project locations.

Technical Specifications -

a. Cut trees are 4.0" DBH through 6.99" DBH for lodgepole pine, and 4.0 inches through 8.99" for ponderosa pine.

b. Spacing will be 20 feet with a 25% variance to leave the best tree (15-25 feet) described as being the largest, tallest, with best vigor, and free of damage. A tree of preferred species may be selected over a larger or taller of less preferred species. Cut all trees less than 7.0" DBH for a 35 foot radius around ponderosa pine trees >21.0" DBH.

c. Cut all trees 4.0" DBH through 6.99" DBH for lodgepole pine and 4.0" DBH through 8.99" DBH for ponderosa pine that are leaning greater than 45 degrees.

d. Cut all trees 4.0" DBH through 6.99" DBH for lodgepole pine and 4.0" DBH through 8.99" for ponderosa pine that have a dwarf mistletoe.

## SPECIFICATIONS PURSUANT TO K-G.9# - STEWARDSHIP PROJECTS

- e. Cut all trees 4.0" DBH through 6.99" DBH within 5 feet of the road edge.
- f. Leave all trees which have orange bands painted around the circumference of the bole.
- g. When selecting leave trees, only select lodgepole if there are no desirable or acceptable sugar pine or ponderosa pine that are 2 feet in height through 6.99" DBH within the allowed spacing variation.
- h. Species Preference: Sugar pine and ponderosa pine are the preferred species and are considered equal, then lodgepole pine, then white fir.

Project 004 - Optional Thinning to variable spacing 4.0"-7.99" DBH lodgepole, 4.0"-8.99" DBH ponderosa.

End Result - The end result of this thinning is to reach the prescribed density for the total stand, and improve forest health. This project will occur on acres where the contractor is also harvesting and removing sawtimber material under A.2. K-G.4.1# and K-G.4.2# specifications and requirements apply to this project.

Project Location - Units # 2, 4, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17  
1,296 acres - Contract Area Map shows individual project locations.

Technical Specifications -

- a. Cut trees are 4.0" DBH through 6.99" DBH for lodgepole pine, and 4.0" through 8.99" DBH for ponderosa pine.
- b. Spacing will be 20 feet with a 25% variance to leave the best tree (15-25 feet) described as being the: largest, tallest, with best vigor, and free of damage. A tree of preferred species may be selected over a larger or taller of less preferred species. Cut all trees 6.99" DBH and less for a 35 foot radius around ponderosa pine trees >21.0" DBH.
- c. Cut all trees 4.0" DBH through 6.99" DBH for lodgepole pine and 4.0" DBH through 8.99" DBH for ponderosa pine that are leaning greater than 45 degrees.
- d. Cut all trees 4.0" DBH through 6.99" DBH for lodgepole pine and 4.0" DBH through 8.99" for ponderosa pine that have a dwarf mistletoe.
- e. Cut all trees 4.0" DBH through 6.99" DBH within 5 feet of the road edge.
- f. Leave all trees which have orange bands painted around the circumference of the bole.

## SPECIFICATIONS PURSUANT TO K-G.9# - STEWARDSHIP PROJECTS

g. When selecting leave trees, only select lodgepole if there are no desirable or acceptable sugar pine or ponderosa pine that are 2 feet in height through 6.99" DBH within the allowed spacing variation.

h. Species Preference: Sugar pine and ponderosa pine are the preferred species and are considered equal, then lodgepole pine, then white fir.

## 6. REQUIREMENTS FOR INDIVIDUAL UNITS

Project#	Unit #	Acres	Treatment	Comments
001	P3u1	30	Cut, Skid, Deck	Mandatory
002	P3u1	30	Fuel Reduction and Slash Treatment	Mandatory
003	1, 3, 5 and 13	369	Cut, Skid, Deck	Mandatory
004	2, 4, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17	1,296	Cut, Skid, Deck	Optional

SEASONAL RESTRICTION -activities within 440 yards of riparian habitat have a seasonal restriction, no activity can occur May 1 - June 30 to minimize disturbance to Mule Deer fawning and Elk calving season.

K-H.1 - PLANS (05/2005)

The plan shall state how Contractor's representative or alternates will be contacted in a fire emergency, both during periods of operation and at other times such as evenings or weekends. Contractor shall certify compliance with specific fire precautionary measures included as Subsections under K-H.2 - Specific Fire Precautions, before beginning operations during Fire Precautionary Period (closed season) and shall update such certification when operations change.

If helicopter yarding is required, the plan shall include a schedule of rates mutually agreed to for computing Contractor costs incurred toward meeting Contractor's obligations under A.14, or for paying for helicopters controlled by Contractor and used under Forest Service direction for suppressing Operations Fires or other fires on Contract Area, excluding Negligent Fires.

K-H.2 - SPECIFIC FIRE PRECAUTIONS (05/2005)

When the industrial fire precaution level is I or higher, unless waiver is granted under K-H.2.2, specific required fire precautionary measures are as follows:

## A. Fire Security.

Contractor shall designate in writing a person or persons who shall perform fire security services listed below on Contract Area and vicinity. The designated person will be capable of operating Contractor's communications and fire fighting equipment specified in the contract, excluding helicopters, and of directing the activities of Contractor's personnel on Forest fires. Such person must report any fire detected to Forest Service within 15 minutes of detection. In lieu of having the designated person perform the required supervisory duties, Contractor may provide another person meeting the qualifications stated above to direct the activities of Contractor's personnel and equipment during all fire fighting activities.

Services described shall be for at least 1 hour from the time Contractor's Operations are shut down. For the purposes of this provision, personnel servicing equipment, and their vehicles, who are not engaged in cutting or welding metal are excluded.

Fire security services shall consist of moving throughout the operation area or areas constantly looking, reporting, and taking suppression action on any fires detected. Where possible, the designated person shall observe inaccessible portions of helicopter operating areas from vantage points within or adjacent to Contract Area.

Contractor shall furnish fire security services based on the predicted industrial precaution level, obtained by Contractor from the appropriate Ranger District Headquarters. If predictions made after 6:00 p.m. local time, are significantly different than originally estimated, Forest Service will inform Contractor when changes in fire security services are indicated.

## B. Fire Extinguisher and Equipment (on Trucks, Tractors, Power Saws, etc.).

(a) Each yarder or loader equipped with an internal combustion engine or other spark emitting source shall be equipped with a readily accessible fire extinguisher, with an Underwriter's Laboratory (UL) Rating of at least 5 B,C.

(b) All power-driven equipment operated by Contractor on National Forest land, except portable fire pumps, shall be equipped with one fire extinguisher having a UL rating of at least 5 B,C and one "D" handled or long handled round point shovel, size O or larger. In addition, each motor patrol, truck and passenger-carrying vehicle shall be equipped with a double-bit axe or Pulaski, 3-1/2 pounds or larger.

(c) Equipment required in (a) and (b) shall be kept in a serviceable condition and shall be readily available.

(d) Each gasoline power saw operator shall be equipped with a pressurized chemical fire extinguisher of not less than 8-ounce capacity by weight, and one long handled round point shovel, size O or larger, except at a landing where a suitable fire extinguisher and shovel are immediately available. The extinguisher will be kept in possession of the saw operator at all times. The shovel shall be accessible to the operator within 1 minute.

(e) Each helicopter shall be equipped with one fire extinguisher having a UL rating of at least 5 B,C mounted inside the aircraft within reach of the pilot's operating position.

(f) One refill for each type or one extra extinguisher sufficient to replace each size extinguisher required on equipment shall be safely stored in the fire tool box or other agreed upon place on Contract Area that is protected and readily available.

(g) At each area where helicopters are being serviced or supplied, a carbon dioxide fire extinguisher with a UL rating of at least 20 B,C will be provided on the site and placed where it is available for immediate use.

#### C. Spark arresters and mufflers.

Each internal combustion engine shall be equipped with a spark arrester qualified and rated under USDA Forest Service Standard 5100-1a as shown in the National Wildfire Coordination Group Spark Arrester Guide, unless it is:

(a) Equipped with a turbine-driven exhaust supercharger such as the turbocharger. There shall be no exhaust bypass.

(b) A multi-position engine, such as on power saws which must meet the performance levels set forth in the Society of Automotive Engineers (SAE) "multi-positioned small engine exhaust fire ignition standard, SAE recommended practice J335B" as now or hereafter amended.

(c) A passenger carrying vehicle or light truck, or medium truck up to 40,000 GVW, used on roads and equipped with a factory designed muffler complete with baffles and an exhaust system in good working condition.

(d) A heavy duty truck, such as a dump or log truck, or other vehicle used for commercial hauling, used only on roads and equipped with a factory designed muffler and with a vertical stack exhaust system extending above the cab.

Exhaust equipment described in this Subsection, including spark arresters and mufflers, shall be properly installed and constantly maintained in serviceable condition.

#### D. Fire Tools.

Contractor shall furnish serviceable fire fighting tools in a readily accessible fire tool box or compartment of sound construction with a hinged lid and hasp so arranged that the box can be secured or sealed. The box shall be red and marked "Fire Tools" in letters at least 1 inch high. It shall contain a minimum of:

(a) Two axes or Pulaskis with a 32 inch handle.

(b) Three adze eye hoes. One Pulaski may be substituted for one adze eye hoe.

(c) Three long handled, round point shovels, size 0 or larger.

#### E. Tank Truck.

Contractor shall provide a tank truck or trailer, containing not less than 300 gallons of water, during yarding, skidding, loading, land clearing, right-of-way clearing, mechanical falling, and mechanical treatment of slash. Such tank truck or trailer shall be maintained in a serviceable condition and located within 10 minutes, round trip, from each operating side during Fire Precautionary Period (closed season), except as provided under H.2.1.

The tank truck or trailer shall be equipped with a pump capable of discharging 20 gallons of water per minute, using a 1/4 inch nozzle tip, through a 50 foot length of poly or rubber lined hose. In addition, 500 feet of serviceable hard rubber poly or rubber lined or FJRL hose of not less than 1 inch outside diameter, fitted with a nozzle capable of discharging a straight stream of 1/4 inch diameter and a spray pattern shall be immediately available for use. The tank, pump, nozzle and at least 250 feet, of the total 500 feet of hose, shall be connected and ready for use at all times. Synthetic hose may be used by

agreement.

If a trailer is used, it shall be equipped with a hitch to facilitate prompt movement. A serviceable tow vehicle shall be immediately available for attachment to the trailer and must meet the time requirements stated above. Such truck or trailer shall be equipped to operate for a minimum of 8 hours.

Where designated on Contract Area Map, Contractor shall provide a tank trailer or water source and pumping equipment, including accessories, which can be lifted and transported by the yarding system. The component parts shall meet all specifications above. The tank trailer or water supply and pumping accessories shall be deliverable to a fire, in area of operations, within 15 minutes of detection.

In lieu of the above tank trailer or water supply for helicopter operations, Contractor may provide a suitable helicopter water bucket with a 300 gallon capacity. When Contractor provides a water bucket, a water source shall be provided within 5 minutes round trip flight time from operating side.

#### F. Communications.

During Contractor's Operations, excluding powersaw falling and bucking, Contractor shall provide adequate two-way communication facilities to report a fire to Forest Service within 15 minutes of detection. Citizen Band radios (CB's) are not considered adequate two-way communications because FCC Regulations prohibit commercial use.

#### G. Smoking and Open Fire Restrictions.

Smoking and fires shall be permitted only at the option of Contractor. Contractor shall not permit open fires on Contract Area without advance permission in writing from Forest Service.

#### H. Blasting.

Blasting shall be permitted only for road construction purposes unless advance permission is obtained from Forest Service.

Whenever the Industrial Fire Precaution Level is II or greater, a fire security person equipped with a long handled round point No. 0 or larger shovel and a 5 gallon backpack pump can filled with water, will stay at location of blast for 1 hour after blasting is done. Blasting may be suspended by Forest Service, in areas of high rate of spread and resistance to control.

Fuses shall not be used for blasting. Explosive cords shall not be used without permission of Forest Service, which may specify conditions under which such explosives may be used and precautions to be taken.

#### I. Compliance with State Fire Laws.

Listing of specific fire precautionary measures in the foregoing Subsections is not intended to relieve Contractor in any way from compliance with State fire laws covering fire prevention and suppression equipment, applicable to Contractor's Operations.

#### J. Aircraft Communications.

Every aircraft used in conjunction with Contractor's Operations shall be equipped with an operable radio system. The radio system shall be capable of transmitting and receiving on VHF frequency 122.85 Megahertz (MHz) with a minimum output of 5 watts at the transmitter. The system shall be located and installed so that the pilot can operate it while flying. A shielded all-weather broad-band antenna shall be part of the system. Radio and antenna shall be properly installed and maintained.

Upon discovery or notification of a fire on Contract Area, all aircraft pilots controlled by Contractor

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shall monitor VHF frequency 122.85 MHz when within 5 miles of a fire and broadcast their intentions.

K. Logging Block Equipment.

Contractor shall provide a serviceable 5 gallon backpack pump full of water, one axe, and one long handled round point shovel, size 0 or larger, at each haulback block through which a running line passes.

The area below such blocks must be kept clear of all flammable debris under 4 inches in diameter for a distance of 6 feet in all directions. Material larger than 4 inches that poses a fire risk, such as punky logs, must also be removed.

Contractor shall avoid line-rub on rocks or woody material which may result in sparks or sufficient heat to cause ignition of fire.

K-H.2.0.1 - BURNING BY CONTRACTOR (06/2006)

Notwithstanding the Fire Precautionary Period limitation of H.2, Contractor is required to obtain written permission from Forest Service prior to any burning on the National Forest Lands.

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K-H.2.2 - EMERGENCY FIRE PRECAUTIONS (05/2005)

Contractor shall restrict operations in accordance with the Industrial Fire Precaution Levels attached. Forest Service may change the Industrial Fire Precaution Levels to other values upon revision of the National Fire Danger Rating System and may change the specific Industrial Fire Precaution Levels when such changes are necessary for the protection of the National Forest. When sent to Contractor, the revised Industrial Fire Precaution Levels will supersede the attached levels.

INDUSTRIAL FIRE PRECAUTIONS SCHEDULE

LEVEL INDUSTRIAL FIRE PRECAUTION

I. Closed Season - Fire precaution requirements are in effect. A Fire Watch/Fire Security is required at this and all higher levels unless otherwise waived.

II. Partial Hootowl - The following may operate only between the hours of 8 p.m. and 1 p.m. local time:

power saws, except at loading sites;  
cable yarding;  
blasting;  
welding or cutting of metal.

III. Partial shutdown - The following are prohibited:

cable yarding - except that gravity operated logging systems employing non-motorized carriages may be operated between the hours of 8 p.m. and 1 p.m. local time when all blocks and moving lines are 10 feet or more above the ground, excluding the line between the carriage and the choker.

power saws - except at loading sites and on tractor/skidder operations between the hours of 8 p.m. and 1 p.m. local time.

In addition, the following are permitted between the hours of 8 p.m. and 1 p.m. local time:

tractor, skidder, feller-buncher, forwarder, or shovel logging operations where tractors, skidders or other equipment with a blade capable of constructing fireline are immediately available to quickly reach and effectively attack a fire start;  
mechanized loading and hauling;  
blasting;  
welding or cutting of metal;  
any other spark-emitting operation not specifically mentioned.

IV. General shutdown - All operations are prohibited.

The following definitions shall apply to these Industrial Fire Precaution Levels:

Cable yarding systems: A yarding system employing cables and winches in a fixed position.

Closed Season (Fire Precautionary Period): That time period each year when a fire hazard exists and as described in A.12.

Hauling: Where hauling involves transit through more than one shutdown zone/regulated use area, the precaution level at the woods site shall govern the level of haul restrictions, unless prohibited by other than the Industrial Fire Precaution Level system.

Loading sites/woods site: A place where any product or material (including but not limited to logs,

firewood, slash, soil, rock, poles, posts, etc.) is placed in or upon a truck or other vehicle.

Advance written waiver of the above precautions may be issued by the Contracting Officer or Forest Service Representative.

Such waiver, or substitute precautions under H.2.1, shall prescribe measures to be taken by Contractor to reduce the risk of ignition, and/or the spread of fire. The Contracting Officer or Forest Service Representative shall consider site specific weather factors, fuel conditions, and specific operations that result in less risk of fire ignition and/or spread than contemplated when precaution level was predicted. Consideration shall also be given to measures that reduce the precaution levels above. Contractor shall assure that all conditions of such waivers or substitute precautions are met.

Contractor shall obtain the predicted Industrial Fire Precaution Level from the appropriate Ranger District headquarters. If predictions made after 6:00 p.m., local time, are significantly different than originally estimated, Forest Service will inform Contractor when changes in restrictions or industrial precautions are indicated.

K-H.3.1 - ADDITIONAL AREA OF FIRE RESPONSIBILITY (05/2005)

The area within 200 feet slope distance of the center line of any road constructed or reconstructed under this contract on National Forest lands outside of Contract Area shall be considered as a part of Contract Area in connection with responsibilities under H.3 and H.4 until the road has been accepted in writing by Forest Service.

K-I.1.0 - DISCLAIMER OF EXPRESSED OR IMPLIED WARRANTY (05/2005)

Contractor and Forest Service hereby agree, acknowledge, and accept that there is no expressed or implied warranty provided by the Forest Service that guarantees the Contractor will be allowed to complete the removal of products sold under the terms of the contract. Upon execution of the contract, Contractor hereby acknowledges the acceptance of the risk that this contract is subject to interruption or termination as a result of litigation associated with the environmental analysis process used by the Forest Service in the planning of this project. If such interruption or termination occurs due to litigation, Contractor agrees to accept as full compensation for such interruption remedies pursuant to I.3.3, or for termination remedies pursuant to I.3.4.

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K-I.2.1.2 - MARKET-RELATED CONTRACT TERM ADDITION (11/2008)

The term of this contract may be adjusted when a drastic reduction in wood product prices has occurred in accordance with 36 CFR 223.52. The Producer Price Index used to determine when a drastic reduction in price has occurred is stated in 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.3.1# - CONTRACT CHANGES (OPTION 1) (05/2005)

Contract changes involving volumes and/or values will use a weight ratio of 3.2847 to convert net CCF cruise volumes to Tons.

K-I.6.8# (Option 1) - USE OF TIMBER (09/2004)

(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 Section, 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 Section, Forest Service will not be liable for any Claim submitted by Contractor relating to the termination.