

Contract Name: Cord Stewardship

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.3.5.7# - 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 above and below stump height , 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)

The following definition is established for Diameter Stump Height (DSH):

Diameter stump height (DSH) is the diameter measured at 3 inches above ground level on the high side of the tree. Minimum stump height of 3 inches is required.

Subdivision	Description
Individual Tree Marked Subdivisions 46, 86 Designated ITM on Contract Area Map	Cut trees marked with green paint above and below stump height.
Leave Tree Marked Subdivisions 2, 6, 29, 32, 42, 45, 53 Designated LTM on Contract Area Map	Cut trees 9" to 26" DSH.

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

Subdivision	Description
<p>Designation by Prescription Subdivisions</p> <p>1, 4, 10, 12, 13, 15, 16, 18, 20, 23, 27, 28, 30, 31, 34, 36, 37, 39, 44</p> <p>Designated DXP on Contract Area Map</p>	<p>Retain 10-15% of subdivision in unthinned patches. Unthinned patches would be irregular in shape and range in size from 1/8 to 1/2 acre.</p> <p>Create openings from 1/10 to 2 acres in size by cutting all but Category A trees on 5-10% of subdivision.</p> <p>Both unthinned patches and openings should be dispersed across the subdivision.</p> <p>Category A: The following trees shall be left and are expressly not designated for cutting and/or removal:</p> <ol style="list-style-type: none"> 1. All trees 26 inches in DSH or larger. 2. Western white pine, whitebark pine, sugar pine. 3. Dead trees, unless designated with green paint. <p>Category B: Of the remaining trees, leave trees will be the healthiest trees with the fullest crown. Leave trees will be selected in order of priority as follows.</p> <ol style="list-style-type: none"> 1. Ponderosa pine with reddish-orange bark, wide plates, and deep wide fissures 2. Ponderosa pine 3. Incense-cedar <p>Thin remaining stand to 50 sq. ft. BA (acceptable range 40-60 BA). Young ponderosa pine should be retained in clusters of 2-5 or more as available.</p> <p>Remove all trees meeting A.2 specifications, other than category A trees, within 60 feet of: at least 5 live aspen trees at least 5 feet tall within 30 feet of each other and; at least 5 mountain mahogany plants at least 3 feet tall within 30 feet of each other.</p>

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

Subdivision	Description
<p>Designation by Prescription Subdivisions</p> <p>17, 21, 33, 38, 40, 41, 43</p> <p>Designated DXP on Contract Area Map</p>	<p>Category A: The following trees shall be left and are expressly not designated for cutting and/or removal:</p> <ol style="list-style-type: none"> 1. All trees 26 inches in DSH or larger. 2. Western white pine, whitebark pine, sugar pine. 3. Dead trees, unless designated with green paint. <p>Category B: Of the remaining trees, leave trees will be the healthiest trees with the fullest crown. Leave trees will be selected in order of priority as follows.</p> <ol style="list-style-type: none"> 1. Ponderosa pine with reddish-orange bark, wide plates, and deep wide fissures 2. Ponderosa pine 3. Incense-cedar <p>Thin remaining stand to 40 sq. ft. BA (acceptable range 30-50 BA). Young ponderosa pine should be retained in clusters of 2-5 or more as available.</p> <p>Remove all trees meeting A.2 specifications, other than category A trees, within 60 feet of: at least 5 live aspen trees at least 5 feet tall within 30 feet of each other and; at least 5 mountain mahogany plants at least 3 feet tall within 30 feet of each other.</p>
<p>Designation by Prescription Subdivisions</p> <p>96</p> <p>Designated DXP on Contract Area Map</p>	<p>Category A: The following trees shall be left and are expressly not designated for cutting and/or removal:</p> <ol style="list-style-type: none"> 1. All trees 26 inches in DSH or larger. 2. Western white pine, whitebark pine, sugar pine. 3. Dead trees, unless designated with green paint <p>Remove all remaining trees, within 150 feet of at least 5 live aspen trees at least 5 feet tall within 30 feet of each other.</p>

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

Subdivision	Description
<p>Designation by Prescription Subdivisions</p> <p>7, 8, 9, 25</p> <p>Designated DXP on Contract Area Map</p>	<p>Category A: The following trees shall be left and are expressly not designated for cutting and/or removal:</p> <ol style="list-style-type: none"> 1. All trees 26 inches in DSH or larger. 2. Western white pine, whitebark pine, sugar pine. 3. Dead trees, unless designated with green paint. <p>Category B: Of the remaining trees, leave trees will be the healthiest trees with the fullest crown. Leave trees will be selected in order of priority as follows.</p> <ol style="list-style-type: none"> 1. Ponderosa pine with reddish-orange bark, wide plates, and deep wide fissures 2. Ponderosa pine 3. Incense-cedar 4. Juniper spp. (non old growth juniper) <p>Cut all white fir and lodgepole pine less than 26 inches DSH. Thin remaining stand to an average range of 30-50 sq. ft. BA. It is acceptable if removal of white fir and lodgepole pine results in openings and basal area less than 30 sq. ft. Please bring it to contract administrator if openings become larger than 2 acres.</p> <p>Remove all trees meeting A.2 specifications, other than category A trees, within 60 feet of: at least 5 live aspen trees at least 5 feet tall within 30 feet of each other and; at least 5 mountain mahogany plants at least 3 feet tall within 30 feet of each other.</p>

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

Subdivision	Description
<p>Designation by Prescription Subdivisions</p> <p>3, 5, 35</p> <p>Designated DXP on Contract Area Map</p>	<p>Category A: The following trees shall be left and are expressly not designated for cutting and/or removal:</p> <ol style="list-style-type: none"> 1. All trees 26 inches in DSH or larger. 2. Western white pine, whitebark pine, sugar pine. 3. Dead trees, unless designated with green paint. <p>Category B: Of the remaining trees, leave trees will be the healthiest trees with the fullest crown. Leave trees will be selected in order of priority as follows.</p> <ol style="list-style-type: none"> 1. Ponderosa pine with reddish-orange bark, wide plates, and deep wide fissures 2. Ponderosa pine 3. Incense-cedar <p>Thin remaining stand to 40 sq. ft. BA (acceptable range 30-50 BA). Young ponderosa pine should be retained in clusters of 2-5 or more as available.</p> <p>Remove all trees meeting A.2 specifications, other than category A trees, within 60 feet of: at least 5 live aspen trees at least 5 feet tall within 30 feet of each other and; at least 5 mountain mahogany plants at least 3 feet tall within 30 feet of each other.</p>

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

Subdivision	Description
<p>Designation by Prescription Subdivisions</p> <p>11, 14, 19, 24, 26</p> <p>Designated DXP on Contract Area Map</p>	<p>Retain 5-10% of subdivision in unthinned patches. Unthinned patches would be irregular in shape and range in size from 1/8 to 1/2 acre. Unthinned patches should be dispersed throughout the unit.</p> <p>Category A: The following trees shall be left and are expressly not designated for cutting and/or removal:</p> <ol style="list-style-type: none"> 1. All trees 26 inches in DSH or larger. 2. Western white pine, whitebark pine, sugar pine. 3. Dead trees, unless designated with green paint. <p>Category B: Of the remaining trees, leave trees will be the healthiest trees with the fullest crown. Leave trees will be selected in order of priority as follows.</p> <ol style="list-style-type: none"> 1. Ponderosa pine with reddish-orange bark, wide plates, and deep wide fissures 2. Ponderosa pine 3. Incense-cedar 4. Juniper spp. (non old growth juniper) <p>Cut all white fir and lodgepole pine less than 26 inches DSH. Thin remaining stand to an average range of 30-50 sq. ft. BA. It is acceptable if removal of white fir and lodgepole pine results in openings and basal area less than 30 sq. ft. Please bring it to contract administrator if openings become larger than 2 acres.</p> <p>Remove all trees meeting A.2 specifications, other than category A trees, within 60 feet of: at least 5 live aspen trees at least 5 feet tall within 30 feet of each other and; at least 5 mountain mahogany plants at least 3 feet tall within 30 feet of each other.</p>

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

INCLUDED TIMBER

TIME LIMITS

ALL

30 days after felling is started.

Contract Name: Cord Stewardship

K-E.2.1.5 - DEPOSITS WHEN PAYMENT GUARANTEED (05/2010)

To the extent payment guarantee is provided under E.3, requirements for advance cash deposits under E.2.1.2 shall be waived for the value of Included Timber removed except for:

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

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

K-E.2.2 - 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.

Contract Name: Cord Stewardship

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 CONTRACTOR (09/2004)

Restricted Road List

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
3462175		3462347	MP 0.25	R	Haul prohibited from March 1 thru August 31.
3462347		MP 0.97	MP 1.36	R	Haul prohibited from March 1 thru August 31.
3462374		3462347	MP 0.17	R	Haul prohibited from March 1 thru August 31.
3462498		MP 0.08	MP 0.38	R	Haul prohibited from March 1 thru August 31.
ALL ROADS UNDER FS JURISDICTION					Haul restricted to 15 mph for dust abatement.

Contract Name: Cord Stewardship

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.

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

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications					
	From	To		T803	T811	T838	T839	T854	
3462	3462-028	Cty Rd 70	3.61	P				P	
3462028	3462	3462-029	2.30	P		P		P	
3462029	3462028	Pvt	1.90	P		P		P	
3462042	3462-043	3462-043	0.63	P			P	P	
3462043	3462-028	Sub 19	0.80	P			P	P	
3462045	3462-046	Sub 43	0.20	P			P	P	
3462046	3462-048	Sub 43	1.10	P			P	P	
3462047	3462-046	3462-029	0.30	P			P	P	
3462048	3462-029	Sub 41	0.20	P			P	P	
3462061	3462-347	3462-422	0.60	P		P		P	
3462062	3462-049	3462-410	0.25	P			P	P	
3462064	3462-029	Sub 41	0.20	P			P	P	
3462172	3462-175	3462-028	0.50	P			P	P	
3462175	3462-455	3462-347	1.25	P			P	P	
3462176	3462-347	3462-175	0.25	P		P		P	
3462177	3462-175	3462-175	0.26	P		P		P	
3462178	3462-347	3462-455	0.42	P			P	P	
3462179	3462-347	3462-175	0.73	P		P		P	
3462181	3462-347	3462-183	0.31	P			P	P	
3462183	3462-347	3462-189	1.25	P		P		P	
3462186	3462-174	Sub 8	0.60	P			P	P	
3462187	3462-186	Sub 11	0.50	P			P	P	
3462188	3462-175	End	0.16	P			P	P	
3462189	3462-175	3462-183	0.44	P			P	P	
3462190	3462-347	3462-179	0.75	P			P	P	
3462196	3462-029	Sub 41	0.80	P			P	P	
3462226	3462-357	Sub 12	0.06	P		P		P	
3462262	3462-438	Pvt	1.20	P			P	P	
3462263	3462	3462-262	0.64	P		P		P	
3462264	3462	3462-263	0.47	P			P	P	
3462265	3462	Pvt	0.79	P			P	P	
3462347	3462	3462-430	5.60	P	P			P	
3462352	3462	3462-356	0.61	P			P	P	
3462353	3462	3462-352	0.86	P			P	P	
3462357	3462-347	Pvt	3.61	P		P		P	
3462358	3462-357	Sub 15	0.48	P			P	P	
3462359	3462-357	Sub 13	0.10	P			P	P	

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

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications					
	From	To		T803	T811	T838	T839	T854	
3462360	3462-471	Sub 20	0.10	P		P		P	
3462362	3462-360	3462-471	0.30	P			P	P	
3462363	Sub 23	3462-357	0.25	P		P		P	
3462365	3462-357	3462-363	0.15	P			P	P	
3462366	3462-357	3462-380	0.30	P			P	P	
3462367	3462-370	3462-500	0.50	P			P	P	
3462368	3462-357	End	0.40	P			P	P	
3462370	3462-357	3462-347	1.15	P		P		P	
3462371	3462-370	End	0.10	P			P	P	
3462373	3462-357	3462-500	0.80	P			P	P	
3462374	3462-347	End	0.17	P			P	P	
3462376	3462-380	3462-347	1.32	P		P		P	
3462377	3462-376	3462-376	0.17	P			P	P	
3462380	3462-357	3462-381	2.00	P		P		P	
3462381	3462-380	Pvt	0.50	P		P		P	
3462387	3462-380	Pvt	0.60	P		P		P	
3462388	3462-357	Pvt	3.30	P		P		P	
3462393	3462-388	Sub 42	0.50	P		P		P	
3462394	3462-393	Sub 42	0.10	P			P	P	
3462395	3462-388	End	0.15	P			P	P	
3462396	3462-388	Sub 44	0.10	P			P	P	
3462398	3462-357	3462-357	0.29	P			P	P	
3462399	3462-357	Sub 36	0.40	P			P	P	
3462401	3462-388	Sub 45	0.50	P			P	P	
3462402	3462-417	3462-403	0.50	P		P		P	
3462403	3462-376	3462-402	0.50	P			P	P	
3462404	3462-376	3462-403	0.36	P			P	P	
3462409	3462-347	3462-347	0.62	P			P	P	
3462410	3462-347	3462-422	0.54	P		P		P	
3462412	3462-061	End	0.25	P			P	P	
3462416	3462-402	3462-402	0.42	P			P	P	
3462417	3462-402	Sub 28	0.20	P			P	P	
3462421	3462-347	Sub 27	0.25	P			P	P	
3462422	3462-451	3462-423	0.10	P			P	P	
3462423	3462-422	Sub 27	0.10	P			P	P	
3462424	3462-347	3462-451	0.47	P			P	P	
3462425	3462-429	Sub 26	0.60	P		P		P	

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

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications					
	From	To		T803	T811	T838	T839	T854	
3462426	3462-429	Sub 26	0.50	P			P	P	
3462429	3462-422	3462-430	0.50	P		P		P	
3462430	3462-347	Sub 26	0.50	P		P		P	
3462433	3462-265	End	0.23	P			P	P	
3462438	3462-262	End	0.77	P		P		P	
3462454	3462-347	3462-175	0.76	P			P	P	
3462455	3462-175	3462-454	0.59	P		P		P	
3462456	3462-175	3462-186	0.10	P			P	P	
3462459	3462-186	End	0.20	P			P	P	
3462460	3462-043	3462-043	0.20	P			P	P	
3462461	3462-043	End	0.40	P			P	P	
3462471	3462-357	3462-363	0.36	P			P	P	
3462478	3462-347	3462-409	0.15	P			P	P	
3462486	3462-388	End	0.10	P		P		P	
3462487	3462-388	Pvt	0.44	P		P		P	
3462491	3462-627	Sub 31	0.10	P		P		P	
3462492	3462-179	3462-190	0.08	P			P	P	
3462493	3462-190	End	0.27	P			P	P	
3462494	3462-493	End	0.10	P			P	P	
3462496	3462-175	3462-178	0.30	P		P		P	
3462498	3462-028	3462-175	0.66	P			P	P	
3462499	3462-370	3462-373	0.21	P			P	P	
3462500	3462-357	3462-373	0.50	P		P		P	
3462501	3462-357	3462-370	0.36	P			P	P	
3462503	3462-355	3462-353	0.37	P			P	P	
3462504	3462-353	Pvt	0.10	P			P	P	
3462557	3462-186	End	0.20	P			P	P	
3462627	3462-380	Sub 31	0.20	P			P	P	
3462628	3462-177	End	0.10	P			P	P	

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

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

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications					
	From	To		T803	T811	T812	T838	T839	T854
3462	3462-028	Cty Rd 70	3.61	P	P	P			P
3462028	3462	3462-029	2.30	P		P	P		P
3462029	34620-028	Pvt	1.90	P		P	P		P
3462042	3462-043	3462-043	0.63	P		P		P	P
3462043	3462-028	Sub 19	0.80	P		P		P	P
3462045	3462-046	Sub 43	0.20	P		P		P	P
3462046	3462-048	Sub 43	1.10	P		P		P	P
3462047	3462-046	3462-029	0.30	P		P		P	P
3462048	3462-029	Sub 41	0.20	P		P		P	P
3462061	3462-347	3462-422	0.60	P		P			P
3462062	3462-049	3462-410	0.25	P		P		P	P
3462064	3462-029	Sub 41	0.20	P		P		P	P
3462172	3462-175	3462-028	0.50	P		P		P	P
3462175	3462-455	3462-347	1.25	P		P		P	P
3462176	3462-347	3462-175	0.25	P		P			P
3462177	3462-175	3462-175	0.26	P		P			P
3462178	3462-347	3462-455	0.42	P		P		P	P
3462179	3462-347	3462-175	0.73	P		P			P
3462181	3462-347	3462-183	0.31	P		P		P	P
3462183	3462-347	3462-189	1.25	P		P			P
3462186	3462-174	Sub 8	0.60	P		P		P	P
3462187	3462-186	Sub 11	0.50	P		P		P	P
3462188	3462-175	End	0.16	P		P		P	P
3462189	3462-175	3462-183	0.44	P		P		P	P
3462190	3462-347	3462-179	0.75	P		P		P	P
3462196	3462-029	Sub 41	0.80	P		P		P	P
3462226	3462-357	Sub 12	0.06	P		P			P
3462262	3462-438	Pvt	1.20	P		P		P	P
3462263	3462	3462-262	0.64	P		P			P
3462264	3462	3462-263	0.47	P		P		P	P
3462265	3462	Pvt	0.79	P		P		P	P
3462347	3462	3462-430	5.60	P	P	P			P
3462352	3462	3462-356	0.61	P		P		P	P
3462353	3462	3462-352	0.86	P		P		P	P
3462357	3462-347	Pvt	3.31	P		P			P
3462358	3462-357	Sub 15	0.48	P		P		P	P

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

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications					
	From	To		T803	T811	T812	T838	T839	T854
3462359	3462-028	Sub 13	0.10	P		P		P	P
3462360	3462-471	Sub 20	0.10	P		P			P
3462362	3462-360	3462-471	0.30	P		P		P	P
3462363	Sub 23	3462-357	0.25	P		P			P
3462365	3462-357	3462-363	0.15	P		P		P	P
3462366	3462-357	3462-380	0.30	P		P		P	P
3462367	3462-370	3462-500	0.50	P		P		P	P
3462368	3462-357	End	0.40	P		P		P	P
3462370	3462-357	3462-347	1.15	P		P			P
3462371	3462-370	End	0.10	P		P		P	P
3462373	3462-357	3462-500	0.80	P		P		P	P
3462374	3462-347	End	0.17	P		P		P	P
3462376	3462-380	3462-347	1.32	P		P			P
3462377	3462-376	3462-376	0.17	P		P		P	P
3462380	3462-357	3462-381	2.00	P		P			P
3462381	3462-380	Pvt	0.50	P		P			P
3462387	3462-380	Pvt	0.60	P		P			P
3462388	3462-357	Pvt	3.30	P		P			P
3462393	3462-388	Sub 42	0.50	P		P			P
3462394	3462-393	Sub 42	0.10	P		P		P	P
3462395	3462-388	End	0.15	P		P		P	P
3462396	3462-388	Sub 44	0.10	P		P		P	P
3462398	3462-357	3462-357	0.29	P		P		P	P
3462399	3462-357	Sub 36	0.40	P		P		P	P
3462401	3462-388	Sub 45	0.50	P		P		P	P
3462402	3462-417	3462-403	0.50	P		P			P
3462403	3462-376	3462-402	0.50	P		P		P	P
3462404	3462-376	3462-403	0.36	P		P		P	P
3462409	3462-347	3462-347	0.62	P		P		P	P
3462410	3462-347	3462-422	0.54	P		P			P
3462412	3462-061	End	0.25	P		P			P
3462416	3462-402	3462-402	0.42	P		P		P	P
3462417	3462-402	Sub 28	0.20	P		P		P	P
3462421	3462-347	Sub 27	0.25	P		P		P	P
3462422	3462-451	3462-423	0.10	P		P		P	P
3462423	3462-422	Sub 27	0.10	P		P		P	P
3462424	3462-347	3462-451	0.47	P				P	P

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

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications					
	From	To		T803	T811	T812	T838	T839	T854
3462425	3462-429	Sub 26	0.60	P					P
3462426	3462-429	Sub 26	0.50	P				P	P
3462429	3462-422	3462-430	0.50	P					P
3462430	3462-347	Sub 26	0.50	P					P
3462433	3462-265	End	0.23	P				P	P
3462438	3462-262	End	0.77	P					P
3462454	3462-347	3462-175	0.76	P				P	P
3462455	3462-175	3462-454	0.59	P					P
3462456	3462-175	3462-186	0.10	P				P	P
3462459	3462-186	End	0.20	P				P	P
3462460	3462-043	3462-043	0.20	P				P	P
3462461	3462-043	End	0.40	P				P	P
3462471	3462-357	3462-363	0.36	P				P	P
3462478	3462-347	3462-409	0.15	P				P	P
3462486	3462-388	End	0.10	P					P
3462487	3462-388	Pvt	0.44	P					P
3462491	3462-627	Sub 31	0.10	P					P
3462492	3462-179	3462-190	0.08	P				P	P
3462493	3462-190	End	0.27	P				P	P
3462494	3462-493	End	0.10	P				P	P
3462496	3462-175	3462-178	0.30	P					P
3462498	3462-028	3462-175	0.66	P				P	P
3462499	3462-370	3462-373	0.21	P				P	P
3462500	3462-357	3462-373	0.50	P					P
3462501	3462-357	3462-370	0.36	P				P	P
3462503	3462-355	3462-353	0.37	P				P	P
3462504	3462-353	Pvt	0.10	P				P	P
3462557	3462-186	End	0.20	P				P	P
3462627	3462-380	Sub 31	0.20	P				P	P
3462628	3462-177	End	0.10	P				P	P

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

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

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications					
	From	To		T803	T811	T813	T838	T839	T854
3462	3462-028	Cty Rd 70	3.61	P			P		P
3462028	3462	3462-029	2.30	P			P		P
3462029	3462-028	PVT	1.90	P			P		P
3462042	3462-043	3462-043	0.63	P				P	P
3462043	3462-028	Sub 19	0.80	P				P	P
3462045	3462-046	Sub 43	0.20	P				P	P
3462046	3462-048	Sub 43	1.10	P				P	P
3462047	3462-046	3462-029	0.30	P				P	P
3462048	3462-029	Sub 41	0.20	P				P	P
3462061	3462-347	3462-422	0.60	P			P		P
3462062	3462-049	3462-410	0.25	P				P	P
3462064	3462-029	Sub 41	0.20	P				P	P
3462172	3462-175	3462-028	0.50	P				P	P
3462175	3462-455	3462-347	1.25	P				P	P
3462176	3462-347	3462-175	0.25	P			P		P
3462177	3462-175	3462-175	0.26	P			P		P
3462178	3462-347	3462-455	0.42	P				P	P
3462179	3462-347	3462-175	0.73	P			P		P
3462181	3462-347	3462-183	0.31	P				P	P
3462183	3462-347	3462-189	1.25	P			P		P
3462186	3462-174	Sub 08	0.60	P				P	P
3462187	3462-186	Sub 11	0.50	P				P	P
3462188	3462-175	End	0.16	P				P	P
3462189	3462-175	3462-183	0.44	P				P	P
3462190	3462-347	3462-179	0.75	P				P	P
3462196	3462-029	Sub 41	0.80	P				P	P
3462226	3462-357	Sub 12	0.06	P			P		P
3462262	3462-438	Pvt	1.20	P				P	P
3462263	3462	3462-262	0.64	P			P		P
3462264	3462	3462-263	0.47	P				P	P
3462265	3462	Pvt.	0.79	P				P	P
3462347	3462	3462-430	5.60	P	P	D			P
3462352	3462	3462-356	0.61	P				P	P
3462353	3462	3462-352	0.86	P				P	P
3462357	3462-347	Pvt	3.31	P			P		P
3462358	3462-357	Sub 15	0.48	P				P	P

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

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications					
	From	To		T803	T811	T813	T838	T839	T854
3462359	3462-357	Sub 15	0.10	P				P	P
3462360	3462-471	Sub 20	0.10	P			P		P
3462362	3462-360	3462-471	0.30	P				P	P
3462363	Sub 23	3462-357	0.25	P			P		P
3462365	3462-357	3462-363	0.15	P				P	P
3462366	3462-357	3462-380	0.30	P				P	P
3462367	3462-370	3462-500	0.50	P				P	P
3462368	3462-357	End	0.40	P				P	P
3462370	3462-357	3462-347	1.15	P			P		P
3462371	3462-370	End	0.10	P				P	P
3462373	3462-357	3462-500	0.80	P				P	P
3462374	3462-347	End	0.17	P				P	P
3462376	3462-380	3462-347	1.32	P			P		P
3462377	3462-376	3462-376	0.17	P				P	P
3462380	3462-357	3462-381	2.00	P			P		P
3462381	3462-380	Pvt	0.50	P			P		P
3462387	3462-380	Pvt	0.60	P			P		P
3462388	3462-357	Pvt	3.30	P			P		P
3462393	3462-388	Sub 42	0.50	P			P		P
3462394	3462-393	Sub 42	0.10	P				P	P
3462395	3462-388	End	0.15	P				P	P
3462396	3462-388	Sub 44	0.10	P				P	P
3462398	3462-357	3462-357	0.29	P				P	P
3462399	3462-357	Sub 36	0.40	P				P	P
3462401	3462-388	Sub 45	0.50	P				P	P
3462402	3462-417	3462-403	0.50	P			P		P
3462403	3462-376	3462-402	0.50	P				P	P
3462404	3462-376	3462-403	0.36	P				P	P
3462409	3462-347	3462-347	0.62	P				P	P
3462410	3462-347	3462-422	0.54	P			P		P
3462412	3462-061	End	0.25	P				P	P
3462416	3462-402	3462-402	0.42	P				P	P
3462417	3462-402	Sub 28	0.20	P				P	P
3462421	3462-347	Sub 27	0.25	P				P	P
3462422	3462-451	3462-423	0.10	P				P	P
3462423	3462-422	Sub 27	0.10	P				P	P
3462424	3462-347	3462-451	0.47	P			P		P

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

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications					
	From	To		T803	T811	T813	T838	T839	T854
3462425	3462-429	Sub 26	0.60	P				P	P
3462426	3462-429	Sub 26	0.50	P				P	P
3462429	3462-422	3462-430	0.50	P			P		P
3462430	3462-347	Sub 26	0.50	P			P		P
3462433	3462-265	End	0.23	P				P	P
3462438	3462-262	End	0.77	P			P		P
3462454	3462-347	3462-175	0.76	P				P	P
3462455	3462-175	3462-454	0.59	P			P		P
3462456	3462-175	3462-186	0.10	P				P	P
3462459	3462-186	End	0.20	P				P	P
3462460	3462-043	3462-043	0.20	P				P	P
3462461	3462-043	End	0.40	P				P	P
3462471	3462-357	3462-363	0.36	P				P	P
3462478	3462-347	3462-409	0.15	P				P	P
3462486	3462-388	End	0.10	P			P		P
3462487	3462-388	Pvt	0.44	P			P		P
3462491	3462-627	Sub 31	0.10	P			P		P
3462492	3462-179	3462-190	0.08	P				P	P
3462493	3462-190	End	0.27	P				P	P
3462494	3462-493	End	0.10	P				P	P
3462496	3462-175	3462-178	0.30	P			P		P
3462498	3462-028	3462-175	0.66	P				P	P
3462499	3462-370	3462-373	0.21	P				P	P
3462500	3462-357	3462-373	0.50	P			P		P
3462501	3462-357	3462-370	0.36	P				P	P
3462503	3462-355	3462-353	0.37	P				P	P
3462504	3462-353	Pvt	0.10	P				P	P
3462557	3462-186	End	0.20	P				P	P
3462627	3462-380	Sub 31	0.20	P				P	P
3462628	3462-177	End	0.10	P				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 (09/2004)

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width	Slope			Product	Rate			Block	Treat
3462 3462-028 to Cty Rd 70	/	/	/	/	/	/	/	/	P	/	P
3462028 3462 to 3462-029	/	/	/	/	/	/	/	/	P	/	P
3462029 3462 to 3462-029	/	/	/	/	/	/	/	/	P	/	P
3462042 3462-028 to PVT	/	/	/	/	/	/	/	W	P	/	P
3462043 3462-028 to Sub 19	/	/	/	/	/	/	/	W	P	/	P
3462045 3462-046 to Sub 43	/	/	/	/	/	/	/	W	P	/	P
3462046 3462-048 to Sub 43	/	/	/	/	/	/	/	W	P	/	P
3462047 3462-046 to 3462- 029	/	/	/	/	/	/	/	W	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width Slope	X Comp			Product	Applic Rate			Block	Treat
3462048 3462-029 to Sub 41	/	/	/	/	/	/	/	W	P	/	P
3462061 3462-347 to 3462- 422	/	/	/	/	/	/	/	/	P	/	P
3462062 3462-049 3462-410	/	/	/	/	/	/	/	W	P	/	P
3462064 3462-029 to Sub 41	/	/	/	/	/	/	/	W	P	/	P
3462172 3462-175 to 3462- 028	/	/	/	/	/	/	/	W	P	/	P
3462175 3462-455 to 3462- 347	/	/	/	/	/	/	/	W	P	/	P
3462176 3462-347 to 3462- 175	/	/	/	/	/	/	/	/	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width	X Slope			Comp	Product			Applic Rate	Width
3462177 3462-175 to 3462- 175	/	/	/	/	/	/	/	/	P	/	P
3462178 3462-347 to 3462- 455	/	/	/	/	/	/	/	W	P	/	P
3462179 3462-347 to 3462- 175	/	/	/	/	/	/	/	/	P	/	P
3462181 3462-347 to 3462- 183	/	/	/	/	/	/	/	W	P	/	P
3462183 3462-347 to 3462- 189	/	/	/	/	/	/	/	/	P	/	P
3462186 3462-174 to Sub 08	/	/	/	OPT	/	/	/	W	P	/	P
3462187 3462-186 to Sub 11	/	/	/	OPT	/	/	/	W	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width	X Slope			Comp	Product			Applic Rate	Width
3462188 3462-175 to End	/	/	/	/	/	/	/	W	P	/	P
3462190 3462-347 to 3462- 179	/	/	/	/	/	/	/	W	P	/	P
3462196 3462-029 to Sub 41	/	/	/	/	/	/	/	W	P	/	P
3462226 3462-357 to Sub 12	/	/	/	/	/	/	/	/	P	/	P
3462262 3462-438 to Pvt	/	/	/	/	/	/	/	W	P	/	P
3462263 3462 to 3462-262	/	/	/	/	/	/	/	/	P	/	P
3462264 3462 to 3462-263	/	/	/	/	/	/	/	W	P	/	P
3462265 3462 to Pvt	/	/	/	/	/	/	/	W	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width	X Slope			Comp	Product			Applic Rate	Width
3462347 3462 to 3462-430	/	/	/	/	D	/	/	/	P	/	P
3462352 3462 to 3462-356	/	/	/	/	/	/	/	W	P	/	P
3462353 3462 to 3462-352	/	/	/	/	/	/	/	W	P	/	P
3462357 3462-347 to Pvt	/	/	/	/	/	/	/	/	P	/	P
3462358 3462-357 to Sub 15	/	/	/	OPT	/	/	/	W	P	/	P
3462359 3462-357 to Sub 13	/	/	/	/	/	/	/	W	P	/	P
3462360 3462-471 to Sub 20	/	/	/	OPT	/	/	/	/	P	/	P
3462362 3462-369 to 3462- 471	/	/	/	/	/	/	/	W	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement			7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width	X Slope			Comp	Product	Applic Rate			Width	Block
3462363 Sub 23 to 3462-357	/	/	/	/	OPT	/	/	/	/	P	/	P
3462365 3462-357 to 3462- 363	/	/	/	/	OPT	/	/	/	W	P	/	P
3462366 3462-357 to 3462- 380	/	/	/	/	OPT	/	/	/	W	P	/	P
3462367 3462-370 to 3462- 500	/	/	/	/	/	/	/	/	W	P	/	P
3462368 3462-357 to End	/	/	/	/	OPT	/	/	/	W	P	/	P
3462370 3462-357 to 3462- 347	/	/	/	/	OPT	/	/	/	/	P	/	P
3462371 3462-370 to End	/	/	/	/	/	/	/	/	W	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul		
		Width	X Slope			Comp	Product			Applic Rate	Width	Block
3462373 3462-357 to 3462- 500	/	/	/	/	OPT	/	/	/	W	P	/	P
3462374 3462-347 to End	/	/	/	/	/	/	/	/	W	P	/	P
3462376 3462-380 to 3462- 347	/	/	/	/	/	/	/	/	/	P	/	P
3462377 3462-376 to 3462- 376	/	/	/	/	/	/	/	/	W	P	/	P
3462380 3462-357 to 3462- 381	/	/	/	/	/	/	/	/	/	P	/	P
3462381 3462-380 to Pvt	/	/	/	/	/	/	/	/	/	P	/	P
3462387 3462-380 to Pvt	/	/	/	/	/	/	/	/	/	P	/	P
3462388 3462-357 to Pvt	/	/	/	/	/	/	/	/	/	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width	X Slope			Product	Applic Rate			Block	Treat
3462393 3462-388 to Sub 42	/	/	/	/	/	/	/	/	P	/	P
3462394 3462-393 to Sub 42	/	/	/	/	/	/	/	W	P	/	P
3462395 3462-388 to End	/	/	/	/	/	/	/	W	P	/	P
3462396 3462-388 to Sub 44	/	/	/	OPT	/	/	/	W	P	/	P
3462398 3462-357 to 3462- 357	/	/	/	/	/	/	/	W	P	/	P
3462399 3462-357 Sub 36	/	/	/	/	/	/	/	W	P	/	P
3462401 3462-388 to Sub 45	/	/	/	/	/	/	/	W	P	/	P
3462402 3462-417 to 3462- 403	/	/	/	/	/	/	/	/	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width	X Slope			Comp	Product			Applic Rate	Width
3462403 3462-376 to 3462- 402	/	/	/	/	/	/	/	W	P	/	P
3462404 3462-376 to 3462- 403	/	/	/	/	/	/	/	W	P	/	P
3462409 3462-347 to 3462- 347	/	/	/	/	/	/	/	W	P	/	P
3462410 3462-347 to 3462- 422	/	/	/	/	/	/	/	/	P	/	P
3462412 3462-061 to End	/	/	/	/	/	/	/	W	P	/	P
3462416 3462-402 to 3462- 402	/	/	/	/	/	/	/	W	P	/	P
3462417 3462-402 to Sub 28	/	/	/	OPT	/	/	/	W	P	/	P

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

1	2	3		4	5	6		7	8	9		
		Special Project Specification	Travel Way			Brushing And Log Out	Surfacing			Dust Abatement	Seasonal Maintenance	Snow Removal
Road No. and Termini		Width	X Slope	Comp		Product	Applic Rate	Width		Block	Treat	
3462421 3462-347 to Sub 27	/	/	/	/	/	/	/	/	W	P	/	P
3462422 3462-451 to 3462-423	/	/	/	/	/	/	/	/	W	P	/	P
3462423 3462-422 to Sub 27	/	/	/	/	/	/	/	/	W	P	/	P
3462424 3462-347 to 3462-451	/	/	/	/	/	/	/	/	W	P	/	P
3462425 3462-429 to Sub 26	/	/	/	/	/	/	/	/	/	P	/	P
3462426 3462-429 to Sub 26	/	/	/	/	/	/	/	/	W	P	/	P
3462429 3462-422 to 3462-430	/	/	/	/	/	/	/	/	/	P	/	P
3462430 3462-347 to Sub 26	/	/	/	/	/	/	/	/	/	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul		
		Width	X Slope			Comp	Product			Applic Rate	Width	Block
3462433 3462-265 to End	/	/	/	/	/	/	/	/	W	P	/	P
3462438 3462-262 to End	/	/	/	/	/	/	/	/	/	P	/	P
3462454 3462-347 to 3462- 175	/	/	/	/	/	/	/	/	W	P	/	P
3462455 3462-175 to 3462- 454	/	/	/	/	/	/	/	/	/	P	/	P
3462456 3462-175 to 3462- 186	/	/	/	/	/	/	/	/	W	P	/	P
3462459 3462-186 to End	/	/	/	/	/	/	/	/	W	P	/	P
3462460 3462-043 to 3462- 043	/	/	/	/	/	/	/	/	W	P	/	P
3462461 3462-043 to End	/	/	/	/	/	/	/	/	W	P	/	P

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

1	2	3		4	5	6			7	8	9	
		Special Project Specification	Travel Way			Brushing And Log Out	Surfacing	Dust Abatement			Seasonal Maintenance	Snow Removal
Width Slope	X		Comp	Product	Applic Rate			Width	Block	Treat		
3462471 3462-357 to 3462-363	/	/	/	/	OPT	/	/	/	W	P	/	P
3462478 3462-347 to 3462-409	/	/	/	/	/	/	/	/	W	P	/	P
3462486 3462-388 to End	/	/	/	/	/	/	/	/	/	P	/	P
3462487 3462-388 to Pvt	/	/	/	/	OPT	/	/	/	/	P	/	P
3462491 3462-627 to Sub 31	/	/	/	/	/	/	/	/	/	P	/	P
3462492 3462-179 to 3462-190	/	/	/	/	/	/	/	/	W	P	/	P
3462493 3462-190 to End	/	/	/	/	/	/	/	/	W	P	/	P
3462494 3462-493 to End	/	/	/	/	/	/	/	/	W	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width	Slope			Comp	Product			Applic Rate	Width
3462496 3462-175 to 3462- 178	/	/	/	/	/	/	/	/	P	/	P
3462498 3462-028 to 3462- 175	/	/	/	/	/	/	/	W	P	/	P
3462499 3462-370 to 3462- 373	/	/	/	/	/	/	/	W	P	/	P
3462500 3462-357 to 3462- 373	/	/	/	OPT	/	/	/	/	P	/	P
3462501 3462-357 to 3462- 370	/	/	/	/	/	/	/	W	P	/	P
3462503 3462-355 to 3462- 353	/	/	/	/	/	/	/	W	P	/	P
3462504 3462-353 to Pvt	/	/	/	/	/	/	/	W	P	/	P

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

1 Road No. and Termini	2 Special Project Specifi- cation	3 Travel Way		4 Brushing And Log Out	5 Surfacing	6 Dust Abatement		7 Seasonal Mainte- nance	8 Snow Removal	9 Post Haul	
		Width	X Slope			Product	Applic Rate			Block	Treat
3462557 3462-186 to End	/	/	/	/	/	/	/	W	P	/	P
3462627 3462-380 to Sub 31	/	/	/	/	/	/	/	W	P	/	P
3462628 3462-177 to End	/	/	/	/	/	/	/	W	P	/	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 sale related construction materials occurs.
2	Special Project Specification	Number	Entry indicates Special Project Specification which applies.
3	Travel Way	EX	Contractor shall maintain the traveled way to the width existing upon entry, or at the completion of Specified Road work.
		Numbers	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.
		IS, C, OS, F, or AI	Cross slopes are designated as: IS (Inslope), C (Crown), OS (Outslope), F (Flat), AI (As Is).
		A or B	If compaction is required.
4	Brush and Log Out	Numeric & R and or L	Contractor shall remove brush for specified width on either or both the right (R) side or left (L) side of road.
		As Staked	Limits of brushing are as staked or marked in the field.
		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.

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

Column No.	Heading	Entry	Explanation
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 Contractor prior to nonuse periods.
8	Snow Removal	TS	Snowplowing authorized for Contractor's Operations without recreation access being provided per Section T-803 requirements.
		JU	Snowplowing authorized, but must provide for recreation joint use per Section T-803 requirements.
		Blank	Snowplowing is not authorized. Forest Service may authorize plowing by permit when not in conflict with other uses.
9	Post Haul	P	PR denotes that work is Contractor's Responsibility to perform.

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

ROAD MAINTENANCE SPECIFICATIONS - Contractor shall maintain roads in accordance with the following Contract Road Maintenance Requirements:

<u>SPEC #</u>	<u>SUBJECT DESCRIPTION</u>	<u>DATE</u>
T-803	Snow Removal	05/07/2007
T-811	Blading	10/07/2007
T-812	Dust Abatement	05/07/2007
T-813	Surfacing	10/07/2007
T-838	Maintenance for High Clearance Vehicle Use	05/07/2007
T-839	Maintenance for Project Use	05/07/2007
T-854	Treatment and Disposal of Danger Trees	04/09/2010
T-891-02F	Water Supply and Watering	03/2008

NO DRAWINGS ACCOMPANY THESE SPECIFICATIONS

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

T-803 - SNOW REMOVAL (05/07)

803.01 Description

This Section provides for removal of snow from roads to facilitate logging operations and safe use.

803.02 Maintenance Requirements

- (1) Erect signs required by the Sign Plan in the SUPPLEMENTAL SPECIFICATIONS.
- (2) Perform work in a manner to preserve and protect roads and appurtenances, and prevent erosion damage to roads, streams, and other Forest values.
- (3) Do not undercut banks. Do not blade gravel or other surfacing material off the road.
- (4) Keep roadbed drainage ditches, drain dips, and culverts functional when needed during operations and upon completion of operations.
- (5) Control snow removal to identify the usable traveled way having roadbed support. Reshape over-width plowing as necessary to define the usable width.
- (6) Space, construct, and maintain drainage holes in the dike of snow or berm caused by snow removal operations. Place drain holes to obtain surface drainage without discharging on erodible fills.
- (7) Close roads to wheeled vehicles at times and in the manner specified in K(T)-F(T).1.2# or the Road Rules document.
- (8) Upon seasonal completion of Contractor's Operations, effectively block the road by a snow barricade, unless otherwise approved by the Contracting Officer.
- (9) Remove snow for either public access or project use as established in the SUPPLEMENTAL SPECIFICATIONS and meet the following requirements:
 - (a) Removal for Public Access (Method JU) - Remove snow from all of the traveled way, including turnouts, for safe and efficient use for both timber transportation and the public. Remove intruding windfalls, debris, or slough and slide material for the full width of the traveled way and deposit out of drainage's at locations designated by the Contracting Officer.
 - (b) Removal for Project Use (Method TS) - Remove snow from all or part of the traveled way, including sufficient turnouts

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

for safe and efficient use for timber transportation and to protect the road. Remove intruding windfalls, debris or slough and slide material and dispose of only as necessary to provide passage for timber transportation. Removed materials may be deposited off the traveled way or outside the traveled way at locations designated by the Contracting Officer.

- (10) When directed by the Contracting Officer, replace in kind, within sixty (60) days after the start of Normal Operating Season, any surfacing material which has been bladed off the road, unless otherwise agreed. Contracting Officer will notify Contractor in writing as to the cubic yard equivalent of bladed off material by the start of the normal operating season.

803.03 Equipment

Contractor may use any type of equipment to remove snow, providing:

- a. Type or use of equipment is not restricted in K(T)-F(T).1.2# or Road Rules document.
- b. Equipment is of the size and type commonly used to remove snow and will not cause damage to the road.
- c. The use of plows or dozers to remove snow requires written approval by the Contracting Officer. Equip plows or dozers with shoes or runners to keep the dozer blade a minimum of 2 inches above the road surface unless otherwise approved by the Contracting Officer.

803.04 Ice Control

Ice control may be performed by Contractor when approved by the Contracting Officer in writing. Such approval will include ice control materials, application rates, and any specific requirements of use.

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

T-811 - BLADING (10/07)

811.01 Description

This work consists of surface blading the traveled way to a condition that facilitates traffic and provides proper drainage. Blading includes shaping the crown or slope of travel way, berms, and drainage dips in accordance with this specification. Compaction is required when shown on the ROAD LISTING.

811.02 Maintenance Requirements

- A. Timing - Perform surface blading during the contract period as often as needed to provide conditions stated for the maintenance level of the road.
- B. General
1. Blade and shape the existing traveled way and shoulders, including turnouts, to produce a surface which is uniform, consistent to grade, and crowned or cross-sloped as indicated by the character of the existing surface, unless otherwise shown in the ROAD LISTING, to at least $\frac{1}{8}$ inch per 1 foot of width, but not more than $\frac{3}{4}$ inch per 1 foot of width. Thoroughly loosen surfacing material to no less than 2 inches depth or the depth of potholes or corrugations. Scarification to facilitate cutting to the full depth of potholes or corrugations may be elected, but will be considered incidental to blading. Do not scarify to a depth that will cause contamination of the surfacing.
 2. Apply water during blading when sufficient moisture is not present to prevent segregation. Supply, haul, and apply water in accordance with Section T-891.
 3. Shape existing native rock or aggregate surfaced drainage dips to divert surface runoff to existing outlet devices, ditches, or discharge locations.
 4. Establish a blading pattern which provides a uniform driving surface, retains the surfacing on the roadbed, and provides a thorough mixing of the materials within the completed surface width. Upon final blading, no disturbed rock shall protrude more than 2 inches above the adjacent surface unless otherwise provided in the contract. Remove and place outside the roadbed, material not meeting this dimension so as not to obstruct drainage ways or structures. This material may be scattered off the roadbed if there is free drainage.
 5. Where DESIGNATED ON THE GROUND, included in the ROAD LISTING, SHOWN ON THE DRAWINGS or as ordered by the Contracting Officer invasive species of concern prevention practices shall be followed as listed below.

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

Invasive Species of Concern Prevention Practices

Conduct road blading, brushing and ditch cleaning in areas with high concentrations of invasive plants in consultation with District or Forest-level invasive plant specialists, incorporate invasive plant prevention practices as appropriate (Pacific Northwest Region Invasive Plant Program Preventing and Managing Invasive Plants Record of Decision, 2005, Pg 18).

C. Routine Blading

1. Conform to the dimensions SHOWN ON THE DRAWINGS or designated in the SUPPLEMENTAL SPECIFICATIONS upon completion of blading.
2. Shape roadbed width in excess of the dimensions shown only as needed to provide drainage away from the traveled way. Do not remove established grasses and other vegetation from the excess width except as incidental to providing drainage or unless otherwise provided in the contract.

D. Compaction

Roads requiring compaction will be included in the ROAD LISTING. Unless Compaction Method B is designated in the ROAD LISTING, all traveled ways requiring compaction may be compacted by Method A. Compaction shall commence immediately following blading. Compaction methods are:

Compaction Method A: Breaking track while operating equipment on the traveled way.

Compaction Method B: 7-10 ton pneumatic, steel, or equivalent vibratory roller, operated to cover the full width two (2) times.

E. Undercutting - Undercutting roadway back slope is not permitted.

F. Intersections

1. At intersections, blade the roadbeds of side roads which are not closed or restricted from vehicular use to ensure smooth transitions.
2. Signing, cross ditching in the road surface (traveled way), earth berms, or other devices placed to discourage or eliminate use by passenger cars, are field evidence of road

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

closure or restriction. Roads listed for work under Sections T-835, T-836, T-838 or T-839 are considered restricted.

3. Side roads listed for work under this Section are not restricted.
- G. Cleaning of Structures - Do not allow materials resulting from work under this Section to remain on or in structures, such as bridges, culverts, cattle guards, or drainage dips.
- H. Berms - Maintain existing berms to the condition of adjacent segments. Do not create new berms.
- I. Smooth Blading - Smooth blading may be used as an interim measure to remove loose surfacing material from the wheel paths, and store removed materials in a recoverable windrow, until blade processing as described in this section is feasible. Watering will not be required for smooth blading. Accomplish smooth blading without distorting the existing cross-slope or crown of the traveled way.

Move and store loose surfacing materials on the high side of super-elevated curves and sections with uniform inslope or outslope. In crowned sections, store the material on either or both sides as elected. Windrow and place stored materials to provide not less than 12 feet of smooth traveled way on one-lane segments, or 20 feet of smooth traveled way on two-lane segments, or segments with turnouts. Cut holes through windrows, which may collect water on the road, for drainage at least every 500 feet.

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

T-812 - DUST ABATEMENT (05/09)

812.01 Description

This work consists of applying dust palliatives on roads shown in the Road Listing.

812.02 Materials

The dust palliative materials are shown in the Road Listing, unless shown as Optional for Contractor's election. If Optional is shown then the Contractor may use any of the products listed below. Dust palliative materials shall meet the following requirements:

- A. Water (H2O) will be obtained from sources SHOWN ON THE DRAWINGS or listed in the SUPPLEMENTAL SPECIFICATIONS to Section T-891 Water Supply, unless otherwise approved by the Contracting Officer.
- B. Lignin Sulfonate (LIG S) Provide certification that the material meets the requirements of Subsection 725.20 of the "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-03)" and the Forest Service Supplemental Specification 725.20.
- C. Magnesium Chloride (MG CL2) Provide certification that that the material meets the requirements of Subsection 725.02 of the "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP03)" and the Forest Service Supplemental Specification 725.02.
- D. Calcium Chloride Brine (CA CL2B). Provide certification that the material meets the requirements of Subsection 725.02 of the "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP03)" and the Forest Service Supplemental Specification 725.02.
- E. Calcium Chloride Flake (CA CL2F). Provide certification that the material meets the requirements of Subsection 725.02 of the "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP03)" and the Forest Service Supplemental Specification 725.02.
- F. Bituminous dust palliatives. Manufacture materials specifically for dust abatement purposes which conform to the requirements of Section T-892 for each listed road in the Road Listing.

812.03 Methods

As shown in the SUPPLEMENTAL SPECIFICATIONS, Contractor may utilize a variety of methods to decrease or eliminate the need for dust abatement.

812.04 Equipment

- A. Design, equip, and operate application equipment for spreading dust palliatives so that the material is uniformly applied at the rate and traveled way widths shown in the Road Listing.
- B. For bituminous palliatives provide equipment that heats and applies the bituminous material. Provide a bituminous

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

distributor that is self-powered and mounted on pneumatic tires and equipped with a pump and circulating spray bar, a tachometer, pressure gauges, accurate volume measuring devices such as visual volume dial or gauge calibrated to the tank, and a thermometer. Provide equipment which is a standard commercial type of proven performance.

- C. Accomplish dilution of dust palliatives within the application vehicle with the water source protected from contamination. Circulate the resulting mixture at least five (5) minutes to ensure uniform mixing prior to application.

812.05 Maintenance Requirements

- A. Limit water applications to abatement for hauling vehicles and provide at a frequency and rate which controls dust such that vehicle tail lights and turn signals remain visible. Vary rates of application as needed but remain low enough to avoid forming rivulets. Accomplish the abatement by sufficient frequency of application without saturating and softening the traveled way. Compacted or glazed road surface or wheel tracks may be loosened as needed for water penetration.
- B. Apply all other dust palliatives at the rates and times agreeable to the Contracting Officer. The Road Listing shows the expected average application rate and may be varied to meet field conditions. Lignin Sulfonate, Magnesium Chloride, and Calcium Chloride Brine are listed as gallons per square foot of the undiluted product at fifty (50), thirty-three (33), and thirty-eight (38) percent respectively. Calcium Chloride Flake is listed in pounds per square foot at seventy-seven (77) percent concentration.
- C. Apply bituminous dust palliatives only when the surface to be treated contains sufficient moisture to obtain uniform distribution of the dust palliative unless noted differently in the SUPPLEMENTAL SPECIFICATIONS.
- D. Prior to initial application, when needed, the road will be bladed and shaped under Section T-811, Blading.
- E. Required subsequent applications may be applied to the existing road surface without blading.
- F. Dust palliatives will not be applied in a manner that spatters or mars adjacent structures or trees, or placed on or across cattleguards or bridges. Discharge dust abatement material only on roads approved by the Contracting Officer.

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

T-813 - SURFACING (10/07)

813.01 Description

This work consists of placing surface aggregate as DESIGNATED ON THE GROUND, or as ordered by the Contracting Officer. It includes preparing the area, furnishing, hauling, and placing all necessary materials and other work necessary to blend with the adjacent road cross section.

813.02 Materials

- A. Materials will be Government-furnished when stated in the supplemental specifications.
- B. Materials furnished by the Contractor shall conform to the gradation and quality requirements of Section 703 of the "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects FP-03 U.S. Customary Units" and FS supplements to the FP-03.
- C. All materials transported onto National Forest System land shall be free of invasive species of concern. Written documentation of methods used to determine the invasive species of concern free status of any and all materials furnished by the Contractor shall be submitted to the Contracting Officer before transport of any materials onto National Forest System land.

The Contracting Officer shall have 5 days, excluding weekends and Federal holidays, to review the methods and inspect the materials after the required written documentation is provided by the Contractor. After satisfactory review and inspection or after such 5 day period, the Contractor may transport the material onto National Forest System land.

Material or methods appropriate for establishing invasive species of concern free status for the particular invasive species of concern are listed below.

Invasive Species of Concern and Acceptable Methods specific to this project:

Invasive Species of Concern	Acceptable Methods
REFER TO:	Fremont-Winema National Forests Invasive Species Prevention Practices December 2005

813.03 Maintenance Requirements

- A. Thoroughly loosen the area to be surfaced to a minimum depth of 1 inch prior to placement of aggregate.

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

B. Mixing and Placing

When scheduled coincidentally with work under Section T-811, and included in the SUPPLEMENTAL SPECIFICATIONS, mix surfacing and existing aggregate with water until a uniform mixture is obtained prior to final shaping and compaction.

Otherwise, spread the material on the prepared area in layers no more than 4 inches in depth. When more than one (1) layer is required, shape and compact each layer before the succeeding layer is placed. Upon completion, the surfacing shall reasonably conform to the adjacent cross section and provide smooth transitions in the road profile.

C. Compaction Methods

Compaction Method A: Breaking track while operating equipment on the traveled way.

Compaction Method B: 7-10 ton pneumatic, steel, or equivalent vibratory roller, operated to cover the full width two (2) times.

Either Method A or B may be used unless Method B is designated in the ROAD LISTING.

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

T-838 - MAINTENANCE FOR HIGH CLEARANCE VEHICLE USE (05/07)

838.01 Description

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

838.02 Maintenance Requirements

A. Traveled Way

Contractor may smooth or fill existing cross ditches and water bars and as approved by the Contracting Officer modify existing road junctions to enable vehicle access. The Contractor may perform the following work prior to beginning haul and resumption of haul after an extended stoppage:

1. Remove brush, fallen trees, rocks, and other debris from traveled way, including turnouts, turnarounds, and other locations that interfere with needed maintenance as follows:
 - a. No object extending over 4 inches above the road surface shall remain within the 12 feet usable traveled way. Center the usable width on the roadbed or position away from the fill slope.
 - b. Cut and remove standing or down trees, logs, brush, and limbs from within the area described in 1(a). Remove encroaching limbs to a height of 14 feet above the traveled way surface. Scatter material not meeting utilization standards outside and below the roadbed on the fill side. Limb and remove timber that meets utilization standards or deck at locations approved by the Contracting Officer.
 - c. Place all removed materials away from drainages.
 - d. During use, maintain drainage structures including dips, ditches and culverts in a usable condition.
2. Clean and recondition drainage facilities in accordance with Section T-831 and T-834.

B. Slough and Slides

1. Slough and slides may be left in place, provided surface drainage is provided and at least 12 feet of width is available for vehicle passage.
2. Contractor may reposition or ramp over slides and slough when the traveled way width is less than 12 feet providing the

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

material is capable of supporting vehicles. Limit out slope to no more than six percent.

3. Reposition slough or slide materials, which are not capable of supporting a vehicle, on the roadbed to provide the 12 feet width. When directed by the Contracting Officer, slough or slide material will be removed under Section T-832.

C. Slumps and Washouts

1. Drain the roadbed immediately upgrade of slumps and longitudinal cracks to prevent water from entering slump area.
2. Slumps and longitudinal cracks at the edge of the roadbed shall not be considered a part of the usable width. Usable width may be reduced to 10 feet in the area of the slump.
3. Unless the Contracting Officer approves material being placed on slumps, ramp the slumps on both ends into undisturbed roadbed to provide at least 10 feet usable width. Use removed materials to guide vehicles to the ramp location or to aid in draining the area.
4. Washouts may be filled with suitable material.

D. Post haul

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

1. Shape the traveled way and disturbed roadbed to provide functional drainage.
2. Reinstall removed cross ditches and water bars and provide any additional drainage structures necessary to offset changes caused through use and maintenance.
3. Leave roads useable for high clearance vehicles. Remove or reshape Contractor modifications at road junctions to leave the entrance as it was before use, or as agreed at the time of improvement.

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

T-839 - MAINTENANCE FOR PROJECT USE (05/07)

839.01 Description

Work consists of providing minimum access required for Contractor's Operations and associated Forest Service contract administration and preventing unacceptable resource or road damage.

839.02 Maintenance Requirements

- A. Contractor is authorized to perform the following maintenance to provide vehicle passage and drainage:
1. Removing log, earth, and rock barriers and/or improving existing road junctions to enable vehicle access as mutually agreed.
 2. Smoothing or filling existing cross ditches and water bars.
 3. Installing Contractor-furnished culverts or other temporary drainage structures for shallow stream crossings as approved by the Contracting Officer.
 4. Removing brush, fallen trees, rocks, and other materials from the traveled way and other locations that interfere with needed maintenance:
 - a. Place all removed materials away from drainages.
 - b. Limb and remove timber which meets utilization standards or deck at locations approved by the Contracting Officer. Scatter other woody materials, including limbs, off of and below the roadbed without creating concentrations.
 5. Clean and recondition drainage structures in accordance with Section T-831 and Section T-834.
 6. Reposition or ramp over slough and slides to provide adequate width of traveled way material.
 7. Provide traveled way drainage above slumps and seal cracks in slump area. Ramp the slumps on both ends into undisturbed roadbed to provide usable width unless otherwise ordered by the Contracting Officer.
- B. During use, the traveled way shall not channel water along the road. Prior to seasonal periods of anticipated rains and runoff, perform the following work:
1. Shape the traveled way and roadbed to drain.

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

2. Reinstall removed cross ditches and water bars and provide any additional drainage structures necessary to offset changes through use and maintenance.
3. Perform work outlined in 839.02 A (5), (6), and (7).
4. During periods of non use, replace original barrier or provide and maintain standard MUTCD, Type 3, barricades unless alternate type barriers are approved by the Contracting Officer.

839.03 Post Haul Requirements

- A. Upon completion of project use perform such work as needed to reasonably conform to the character of the existing road prior to Contractor's maintenance for project use, unless otherwise provided in the SUPPLEMENTAL SPECIFICATIONS or the Road Listing. Work shall be in addition to requirements of 839.02 B and in accordance with 839.03 B and C.
- B. Roads designated in the Road Listing to be blocked shall conform to the requirements of Section T-835. Unless otherwise approved by the Contracting Officer, remove Contractor-installed temporary structures from National Forest System land. Associated commercially-obtained materials shall remain the property of the Contractor.
- C. Remove or reshape Contractor improvements at road junctions, as approved by the Contracting Officer at the time of improvement.

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

T-854 - TREATMENT AND DISPOSAL OF DANGER TREES (04/10)

854.01 Description

This work consists of felling and disposal of designated live or dead danger trees sufficiently tall to reach roads used by the Contractor. Any removal of logs is subject to prior agreement between the Contracting Officer and the Contractor.

854.02 Requirements

A. Designation of danger trees.

Danger trees to be felled will be designated in advance by the Contracting Officer. Trees to be removed will be Marked.

B. Falling, bucking and treatment for disposal.

Use controlled felling to ensure the direction of fall and prevent damage to property, structures, roadway, residual trees, and traffic. Stump heights, measured on the side adjacent to the highest ground, must not exceed 12 inches or 1/3 of the stump diameter, whichever is greater. Higher stump heights are permitted when necessary for safety.

Felled snags and trees, which are not Marked for removal, will be left in a stable condition such that they will not roll or slide. Position logs away from standing trees so they will not roll, are not on top of one another, and are located out of roadway and drainage structures.

Fell, limb and remove trees, which are Marked for removal, that equal or exceed the utilization standards as listed in the Stewardship Contract or SUPPLEMENTAL SPECIFICATIONS. Dispose of merchantable timber designated for removal in accordance with C(T).3.2 Construction Clearing, of the Stewardship Contract, or as described in SUPPLEMENTAL SPECIFICATIONS.

C. Slash treatment.

Within the roadway, remove limbs, chunks, and debris in excess of 12 inches in length and 3 inches in diameter, and concentrations that may plug ditches or culverts, and water courses.

Dispose of slash by scattering outside the roadway limits without damaging trees, or improvements.

Large accumulations of slash may be ordered hauled under T-832.

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

T-891-02F - WATER SUPPLY AND WATERING (03/08)
SUPPLEMENTAL PROJECT SPECIFICATION

891.01 Description

This work consists of providing facilities to furnish an adequate water supply, hauling and applying water.

891.02 Materials

If the Contractor elects to provide water from other than designated sources, the Contractor is responsible to obtain the right to use the water, including any cost for royalties involved. Suitable and adequate water sources designated available for Contractor's use under this contract are as follows:

NAME	LOCATION	USE RESTRICTIONS
	NO FS WATERSOURCES	Availability and use of water sources is governed by the "Fremont-Winema National Forests Water Use and Drought Plan" (2006)

ADDITIONAL RESTRICTIONS

Pumping, damming or other activities that dewater any streams will not be allowed.

Maintain the following discharge rates on all streams:

- A. Do not reduce flows to less than 50% of the flow occurring at the time of withdrawal; in no case will flows be reduced to less than 1.0 CFS (about 7.5 gallons/second).
- B. The designated water sources may require some work prior to their use. Such work may include cleaning ponded areas, installing temporary weirs or sandbags, pipe repair, pump installation, or other items appropriate to the Contractor's operations. Flowing streams may be temporarily sandbagged or a weir placed to pond water, provided a minimum flow of 1.0 cu. ft/sec is maintained. Obtain approval on improvements for sandbags or weirs prior to placement.

891.03 Equipment

- A. The Contractor shall utilize (1) one of the following methods of screening on draft hoses used to withdraw water from any live flowing stream.
 - (1) Perforated Plate:
Screen openings shall not exceed 3/32 or 0.0938-inches (2.38-mm).

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

(2) Profile Bar Screen:

The narrowest dimension in the screen openings shall not exceed 0.0689-inches (1.75-mm) in the narrowest direction.

(3) Woven Wire Screen:

Screen openings shall not exceed 3/32 or 0.0938-inches (2.38-mm) in the narrow direction.

All methods shall be cleaned frequently with wire brushing, flushing, or any other acceptable method.

- B. An air gap or positive anti-siphon device shall be Provided between the water source and the vehicle being loaded if the vehicle has been used for other than water haul, if the source is a domestic Potable water spply, or the water is used for tank mixing with any other materials.
- C. Positive control of water application is required. Equipment shall provide uniform application of water without ponding or washing.

891.04 Records and Reports

- A. For each water source utilized, maintain a record of water use.
- B. Each month, submit a report to the Forest Service documenting water use for each source. The report shall include the following information:

Timber Sale Name and Contract Number
Reporting Period
Water Source
Total Gallons Withdrawn

Contract Name: Cord Stewardship

K-F.3.2# - ROAD MAINTENANCE DEPOSIT SCHEDULE (09/2004)

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: \$ \$.09 per Ton.

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
N/A		

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: All contract activities will avoid known and/or identified sites. A known site exists in the Contract Area, location information will be provided to the Contractor.

Wildlife and Botanical Protection Measures: Avoidance of nests and/or habitat during restricted operating period as indicated on the Contract Area Map and K-G.3.1.5#.

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 (5/2005)

Area	Operation Conditions	Purpose
Protection of Wildlife Area	No operations permitted from March 1 through August 31 within ¼ mile of nesting Goshawk unless agreed to by the Forest Service. This area is identified on the Contract Area Map.	To avoid disturbance to nesting Goshawk.

Contract Name: Cord Stewardship

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	SUBDIVISION(S)
Trees will be directionally felled away from designated streamcourses, springs and meadows. No ground based logging equipment may be operated in meadows and scab flats.	ALL
Cutting lanes shall be established and average no less than 40 feet apart.	ALL
FELLING EQUIPMENT	SUBDIVISION(S)
Mechanical felling equipment will be limited to feller-buncher with an unloaded PSI (pounds per square inch) rating no greater than 7.5 and boom with reach of at least 20 feet.	ALL
Felling equipment is restricted to designated cutting lanes and skid trails unless one of the following conditions exist: (1) The ground is frozen to a minimum depth of 4 inches. (2) The ground is covered with at least 18 inches of compacted snow. (3) Soil moisture levels are less than 15 percent. (4) Dry period of the year (July 15 through October 31).	ALL

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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 pine and white fir trees cut by Contractor that have a stump diameter larger than 18 inches, and also treat pine stumps in subdivisions 40, 42, and 44 that have a stump diameter larger than 12 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 iron oxide 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)

YARDING/SKIDDING REQUIREMENTS	SUBDIVISION(S)
Tractor logging equipment is required.	ALL
Skid trails will be 14 feet or less in width.	ALL
Skidding equipment is restricted to designated skid trails/roads.	ALL
An average skid trail spacing of at least 100 feet is expected except when using existing trails or when logging over firm snow of 18 inches or greater, or ground frozen a minimum of 4 inches. Firm snow is defined as snow that compacts to create a mat over the soil during skidding or mechanical cutting operations. The objective of these requirements is to prevent tires and/or tracks from breaking through the snow pack or frozen ground to the unprotected soil beneath, resulting in detrimental compaction, puddling or displacement. If these detrimental impacts are observed (except for occasional isolated situations) dispersed skidding shall cease, regardless of snow or ice depth.	ALL
No skidding or logging equipment is permitted within riparian buffers, except that Forest Service may approve designated crossings.	ALL
In so far as practicable, all logs shall be skidded with at least one end suspended.	ALL

Contract Name: Cord Stewardship

K-G.6.0# - EROSION CONTROL AND SOIL TREATMENT BY CONTRACTOR (07/2008)

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 see attached description 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 N/A 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: Cord 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.

See attached application schedule.

DESCRIPTION PURSUANT TO K-G.6.0# - EROSION CONTROL AND SOIL TREATMENT BY
CONTRACTOR (07/2008)

All landings and temporary roads shall be scarified to a depth of **8 inches** to promote natural re-vegetation.

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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)

Contractor's slash disposal responsibilities shall be accomplished on each contract subdivision pursuant to G.3.1 and G.7 and in accordance with the following specifications.

Any changes in the specifications must be approved in writing by the Forest Service Representative. Approval of substitute measures and any changes in Current Contract Rates will be handled under K-G.7.

I. SPECIFICATIONS

A. Piles

1. Location of Piles: The Forest Service and the Contractor will agree on the location of all slash piling sites prior to their use.
2. Construction and Size of Piles: All piles shall be as compact as possible and contain no soil. Piles shall be located at least 20 feet from the dripline of all standing green trees and at least 25 feet from adjacent piles.
3. Fireline Construction: A fireline to mineral soil will be constructed around each pile. The minimum width to mineral soil is three feet. The maximum width will be the length of a dozer blade.

B. Leave Tops Attached Yarding

All trees will be yarded with tops attached to the landing. All bucking, limbing, long-butting, etc. must be done on the landing and decking areas. Trees longer than 70 feet may be bucked prior to skidding, however, the top shall be attached.

C. Landing and Decking Area Slash

Pile all slash that is at least three inches diameter on the large end and at least three feet long, and over ten feet long regardless of diameter that is on the cleared landing, and any slash pushed up along the edge or off the landing during skidding and decking operations.

D. Scheduling Slash Disposal Activities

Slash work shall be kept current with product removal. Slash not treated prior to end of Contractor's operations each year should be treated prior to start of logging the next year, and will be included in the revised schedule.

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

E. Inspection

Acceptance of all slash disposal work will be determined by an inspection of each area, and will be based on adherence to the General and Specific Specifications. Nonconformance with any one of the slash disposal specifications will classify the area as unsatisfactorily treated and rework will be required to bring the area up to standard.

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K-G.8.1.5 - THIRD PARTY SCALING SERVICES (09/2004)

Notwithstanding the requirement for Forest Service or parties under contract to Forest Service to provide Scaling services under G.8.1, Scaling designated in A.10 shall be conducted by a third party Scaling organization approved by Forest Service. Scaling shall be done in accordance with A.9 and Contractor shall bear costs for Scaling service.

In the event third party Scaling service is suspended for causes such as strikes, termination of third party's approval to Scale National Forest logs by Forest Service, or Contractor's failure to pay third party Scaling costs, hauling operations shall be suspended until agreed alternate Scaling services are provided or service by third party is resumed.

When an approved alternate Scaling location pursuant to G.8.1.1 does not have an approved third party scaling organization as a commonly used Scaling services provider, Forest Service or parties under contract to Forest Service shall provide Scaling services at the approved alternate location. In such an event, the cost of waived third party Scaling listed in A.10 shall be charged to Integrated Resource Account.

If Forest Service and Contractor agree in writing that another party under contract to Forest Service will perform Scaling, the contract will be modified to include K-G.8.1.6 and Integrated Resource Account will be charged for such Scaling.

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.9# - STEWARDSHIP PROJECTS (09/2004)

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

Stewardship Projects

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

Project 001 - **MANDATORY** Cut, Skid, Deck

Project Description: Cut, Skid, and Deck 4.0 - 6.9 inches DBH Material after Commercial Timber Harvest

This project will occur in after the harvesting and removing of material under A.2.

Project Location: Subdivisions 6, 7, 9, 11, 12, 14, 15, 16, 17, 19, 20, 23, 24, 25, 26, 27, 28, 30, 32, 34, 35, 37, 38, 39, 45, 53, 96
1,486 acres - Contract Area Map shows individual subdivision acres.

OPERATING RESTRICTIONS THAT MAY LIMIT WORK AND TRAVEL IN THE AREA:

Subdivision 12 - No work permitted from March 1 - August 31, to avoid disturbance to nesting Goshawk. The protection zone is within ¼ mile of raptor nest.

See K-F.1.2#, K-G.3.1.5#, and Contract Area Map for further information.

Unless otherwise agreed, restriction on work will be in effect a ¼ mile from the raptor nest. If work is requested in the area affected by the protection zone, a qualified Forest Service wildlife biologist will be consulted.

Desired Outcome: The end result of this thinning is to reduce stocking levels of trees greater than 4 inches DBH up to 6.9 inches to reach the prescribed density for the total stand, to improve forest health, and to remove fuel material to landings to reduce a portion of the fuels in the stand.

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 apply.

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

Technical Specifications:

- a) Cut trees shall be yarded with tops attached to landings approved by the Forest Service, and piled. Pile size and arrangement will be agreed to and approved by the Forest Service. See K-G.7.4.1#.
- b) Outside of openings and unthinned patches, thin trees 4.0 inches DBH up to 6.9 inches DBH. Leave tree spacing will range from 20 to 30 feet, with an average of 25 feet. Leave trees will be spaced off of trees greater than 6.9 inches DBH.

Following are LEAVE tree preference listed by priority.

1. Leave all western white pine, sugar pine and aspen.
 2. Leave in order of preference - ponderosa pine, incense cedar, lodgepole pine, white fir and juniper.
 3. Leave trees will be the healthiest trees with the fullest crown.
- c) In areas of at least 5 aspen trees at least 5 feet tall within 30 feet of each other or at least 5 mountain mahogany plants at least 3 feet tall within 30 feet of each other cut all conifers 4.0 inches to 6.9 inches DBH, for a slope distance of 60 feet.

Other Requirements:

1. Cut trees shall be completely severed. Cutting shall be below the lowest live limb unless prevented by natural obstacles.
2. Stump height shall not exceed 6 inches in height on the uphill side unless cutting is obstructed by natural obstacles. Stumps shall be horizontal as possible to avoid sharp spikes.
3. Cut trees shall be cleared away from subdivision boundaries, roads, telephone lines, established trails, stock driveways, fence lines, established land corners, stream or watercourses by 5 feet.
4. No cut trees shall be permitted to suspend above the ground by a leave tree.
5. If operations cause damage to any posted monuments, fences or other improvements the contract administrator will be notified immediately. Contractor will be responsible for restoration or replacement cost.
6. Operations will be conducted to avoid damage to leave trees and resources.

Acceptable Quality Level:

Monitoring and Disincentives

The Forest Service will conduct visual inspections on each subdivision to determine compliance with work specifications. The Forest Service may install random plots to supplement visual inspections. Inspections will consist of a review of the trees cut and left in terms of tree condition and density, yarded and piled material. When work appears unsatisfactory, the contractor will be responsible for any rework to comply with contract requirements.

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

If the contractor disagrees with the random walk thru results of the Forest Service, the contractor may request a formal systematic sample across the subdivision. Work Quality will be judged by the following formula:

$$\text{Acceptable plots/Total number of plots} \times 100 = \text{Work Quality \%}$$

Where plot size will be 1/10 acre.

Where work quality is \geq 90%, work item will be accepted.

Where work quality is less than 90%, due to re-workable items such as leaving too many trees or incomplete slash work, contractor will rework the subdivision. The subdivision will be re-inspected and, if deficient items repaired, accepted.

Where work quality is less than 90% due to too many trees cut, payment will be reduced to a level equal to the work quality achieved. For example if, the work quality is 85% due to cutting too many trees, this cannot be repaired and the contractor's pay would be reduced to 85% of the pay rate for that pay item.

Calculation of Credit:

The credit rate will be calculated by multiplying the percentage quality rate by the bid unit (mile, acre, etc.) price. When the percent of quality is 90 percent or greater, credit will be made at 100 percent of the bid price.

When the Forest Service verification inspection results find unacceptable work, credit will not be made until the work has been corrected to meet the specifications. No additional credit or payment will be allowed for re-work of unacceptable work. The Forest Service may reduce payment for unacceptable work that is not correctable.

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

Project 002 - MANDATORY Cut, Skid, Deck

Project Description: Cut, Skid, and Deck 4.0 - 6.9 inches DBH Material in Plantations

Project Location: Subdivisions 47, 48, 49, 50, 51, 52
114 acres - Contract Area Map shows individual subdivision acres.

OPERATING RESTRICTIONS THAT MAY LIMIT WORK AND TRAVEL IN THE AREA:

Subdivision 47 - No work permitted from March 1 - August 31, to avoid disturbance to nesting Goshawk. The protection zone is within ¼ mile of raptor nest.

Subdivision 48 - No work permitted from March 1 - August 31, to avoid disturbance to nesting Goshawk. The protection zone is within ¼ mile of raptor nest.

See K-F.1.2#, K-G.3.1.5#, and Contract Area Map for further information.

Unless otherwise agreed, restriction on work will be in effect a ¼ mile from the raptor nest. If work is requested in the area affected by the protection zone, a qualified Forest Service wildlife biologist will be consulted.

Desired Outcome: The end result of this thinning is to reduce stocking levels of trees greater than 4 inches DBH up to 6.9 inches to reach the prescribed density for the total stand, to improve forest health, and to remove fuel material to landings to reduce a portion of the fuels in the stand.

This project will occur on acres where the contractor is not harvesting and removing sawtimber material under A.2. K-G.4.1# and K-G.4.2# specifications apply.

Technical Specifications:

a) Cut trees shall be yarded with tops attached to landings approved by the Forest Service, and piled. Pile size and arrangement will be agreed to and approved by the Forest Service. See K-G.7.4.1#.

b) Outside of openings and unthinned patches, thin trees 4.0 inches DBH up to 6.9 inches DBH. Leave tree spacing will range from 20 to 30 feet, with an average of 25 feet. Leave trees will be spaced off of trees greater than 6.9 inches DBH.

Following are LEAVE tree preference listed by priority.

1. Leave all western white pine, sugar pine and aspen.
2. Leave in order of preference - ponderosa pine, incense cedar, lodgepole pine, white fir and juniper.
3. Leave trees will be the healthiest trees with the fullest crown.

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c) In areas of at least 5 aspen trees at least 5 feet tall within 30 feet of each other or at least 5 mountain mahogany plants at least 3 feet tall within 30 feet of each other cut all conifers 4.0 inches to 6.9 inches DBH, for a slope distance of 60 feet.

Other Requirements:

7. Cut trees shall be completely severed. Cutting shall be below the lowest live limb unless prevented by natural obstacles.
8. Stump height shall not exceed 6 inches in height on the uphill side unless cutting is obstructed by natural obstacles. Stumps shall be horizontal as possible to avoid sharp spikes.
9. Cut trees shall be cleared away from subdivision boundaries, roads, telephone lines, established trails, stock driveways, fence lines, established land corners, stream or watercourses by 5 feet.
10. No cut trees shall be permitted to suspend above the ground by a leave tree.
11. If operations cause damage to any posted monuments, fences or other improvements the contract administrator will be notified immediately. Contractor will be responsible for restoration or replacement cost.
12. Operations will be conducted to avoid damage to leave trees and resources.

Acceptable Quality Level:

Monitoring and Disincentives

The Forest Service will conduct visual inspections on each subdivision to determine compliance with work specifications. The Forest Service may install random plots to supplement visual inspections. Inspections will consist of a review of the trees cut and left in terms of tree condition and density, yarded and piled material. When work appears unsatisfactory, the contractor will be responsible for any rework to comply with contract requirements.

If the contractor disagrees with the random walk thru results of the Forest Service, the contractor may request a formal systematic sample across the subdivision. Work Quality will be judged by the following formula:

$$\text{Acceptable plots/Total number of plots} \times 100 = \text{Work Quality \%}$$

Where plot size will be 1/10 acre.

Where work quality is \geq 90%, work item will be accepted.

Where work quality is less than 90%, due to re-workable items such as leaving too many trees or incomplete slash work, contractor will rework the subdivision. The subdivision will be re-inspected and, if deficient items repaired, accepted.

Where work quality is less than 90% due to too many trees cut, payment will be reduced to a level equal to the work quality achieved. For example if, the work quality is 85% due to cutting too many trees, this cannot be repaired and the contractor's pay would be reduced to 85% of the pay rate for that pay item.

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Calculation of Credit:

The credit rate will be calculated by multiplying the percentage quality rate by the bid unit (mile, acre, etc.) price. When the percent of quality is 90 percent or greater, credit will be made at 100 percent of the bid price.

When the Forest Service verification inspection results find unacceptable work, credit will not be made until the work has been corrected to meet the specifications. No additional credit or payment will be allowed for re-work of unacceptable work. The Forest Service may reduce payment for unacceptable work that is not correctable.

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

Project 003 - MANDATORY Cut, Skid, Deck

Project Description: Cut, Skid, and Deck 4.0 - 6.9 inches DBH Material after Commercial Timber Harvest

This project will occur in after the harvesting and removing of material under A.2.

Project Location: Subdivisions 46, 86
48 acres - Contract Area Map shows individual subdivision acres.

OPERATING RESTRICTIONS THAT MAY LIMIT WORK AND TRAVEL IN THE AREA:

Subdivision 46 - No work permitted from March 1 - August 31, to avoid disturbance to nesting Goshawk. The protection zone is within ¼ mile of raptor nest.

Subdivision 86 - No work permitted from March 1 - August 31, to avoid disturbance to nesting Goshawk. The protection zone is within ¼ mile of raptor nest.

See K-F.1.2#, K-G.3.1.5#, and Contract Area Map for further information.

Unless otherwise agreed, restriction on work will be in effect a ¼ mile from the raptor nest. If work is requested in the area affected by the protection zone, a qualified Forest Service wildlife biologist will be consulted.

Desired Outcome: The end result of this thinning is to reduce stocking levels of trees greater than 4 inches DBH up to 6.9 inches to reach the prescribed density for the total stand, to improve forest health, and to remove fuel material to landings to reduce a portion of the fuels in the stand.

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 apply.

Technical Specifications:

- a) Treatment will only be done within the areas logged
- b) Cut trees shall be yarded with tops attached to landings approved by the Forest Service, and piled. Pile size and arrangement will be agreed to and approved by the Forest Service. See K-G.7.4.1#.
- c) Outside of openings and unthinned patches, thin trees 4.0 inches DBH up to 6.9 inches DBH. Leave tree spacing will range from 20 to 30 feet, with an average of 25 feet. Leave trees will be spaced off of trees greater than 6.9 inches DBH.

Following are LEAVE tree preference listed by priority.

1. Leave all western white pine, sugar pine and aspen.

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2. Leave in order of preference - ponderosa pine, incense cedar, lodgepole pine, white fir and juniper.

3. Leave trees will be the healthiest trees with the fullest crown.

d) In areas of at least 5 aspen trees at least 5 feet tall within 30 feet of each other or at least 5 mountain mahogany plants at least 3 feet tall within 30 feet of each other cut all conifers 4.0 inches to 6.9 inches DBH, for a slope distance of 60 feet.

Other Requirements:

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

2. Stump height shall not exceed 6 inches in height on the uphill side unless cutting is obstructed by natural obstacles. Stumps shall be horizontal as possible to avoid sharp spikes.

3. Cut trees shall be cleared away from subdivision boundaries, roads, telephone lines, established trails, stock driveways, fence lines, established land corners, stream or watercourses by 5 feet.

4. No cut trees shall be permitted to suspend above the ground by a leave tree.

5. If operations cause damage to any posted monuments, fences or other improvements the contract administrator will be notified immediately. Contractor will be responsible for restoration or replacement cost.

6. Operations will be conducted to avoid damage to leave trees and resources.

Acceptable Quality Level:

Monitoring and Disincentives

The Forest Service will conduct visual inspections on each subdivision to determine compliance with work specifications. The Forest Service may install random plots to supplement visual inspections. Inspections will consist of a review of the trees cut and left in terms of tree condition and density, yarded and piled material. When work appears unsatisfactory, the contractor will be responsible for any rework to comply with contract requirements.

If the contractor disagrees with the random walk thru results of the Forest Service, the contractor may request a formal systematic sample across the subdivision. Work Quality will be judged by the following formula:

Acceptable plots/Total number of plots X 100 = Work Quality %.

Where plot size will be 1/10 acre.

Where work quality is > 90%, work item will be accepted.

Where work quality is less than 90%, due to re-workable items such as leaving too many trees or incomplete slash work, contractor will rework the subdivision. The subdivision will be re-inspected and, if deficient items repaired, accepted.

Where work quality is less than 90% due to too many trees cut, payment will be reduced to a level equal to the work quality achieved. For example if,

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

the work quality is 85% due to cutting too many trees, this cannot be repaired and the contractor's pay would be reduced to 85% of the pay rate for that pay item.

Calculation of Credit:

The credit rate will be calculated by multiplying the percentage quality rate by the bid unit (mile, acre, etc.) price. When the percent of quality is 90 percent or greater, credit will be made at 100 percent of the bid price.

When the Forest Service verification inspection results find unacceptable work, credit will not be made until the work has been corrected to meet the specifications. No additional credit or payment will be allowed for re-work of unacceptable work. The Forest Service may reduce payment for unacceptable work that is not correctable.

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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.

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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.

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(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

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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,

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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 3.3076 to convert net CCF cruise volumes to Tons.

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

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

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

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

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

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

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

(f) Prior to delivering unprocessed Included Timber to another party, Contractor shall require each buyer, exchange, 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.