

TRAFFIC CONTROL PLAN AND SPECIFICATIONS PURSUANT TO G.3.3 SAFETY

Unless otherwise agreed, the following measures are required to provide adequate warning of hazards for users of roads and trails adjacent to Contractor's Operations.

Part I. Signing and Other Warning Methods:

(a) Signs. The following signs are required when Contractor's Operations are in progress adjacent to or on Forest Service controlled roads and trails:

MINIMUM LETTER SIZE AND LEGEND	MINIMUM SIZE AND SHAPE	WHEN AND WHERE REQUIRED
1. LOGGING OPERATIONS NEXT ____ MILES (4" letters)	24" (rectangle) 36"	Minimum 200 feet outside of any continuous work area on roads listed in K.F.3.1# and trails listed in Part II.
2. LOGGING OPERATIONS (3" letters)	24" (diamond) 24"	To be used in conjunction with "Logging Operations Next ____ Miles" and where work area is not continuous.
3. FOR LOGGING USE ONLY (3" letters)	24" (diamond) 24"	Required where roads listed in K.F.3.1# and temporary roads intersect with K.F.3.1# roads. Install a cross ditch to discourage use when sign is covered or removed for extended periods.
4. TRUCKS (4" letters)	24" (diamond) 24"	At critical intersections on roads listed in K.F.3.1# when traffic is heavy or otherwise exceeds volumes stated in Part II below. Remove or cover when the sign is not applicable.
5. END LOGGING OPERATIONS (4" letters)	24" (rectangle) 36"	Use in conjunction with "Logging Operations Next ____ Miles" and "Logging Operations."
6. TREE FELLING AHEAD (3" letters)	24" (diamond) 24"	Required 200 feet in advance of danger area where timber is being felled adjacent to all roads, including temporary roads, and trails.
7. ROAD MACHINERY AHEAD (3" letters)	24" (diamond) 24"	Required at least 200 feet in advance of Contractor road maintenance operations on roads listed in Schedule K.F.3.1#.

TRAFFIC CONTROL PLAN AND SPECIFICATIONS – G.3.3 Safety (continued)

All signs shall meet requirements as specified in Parts I and VI of the Manual of Uniform Traffic Control Devices (MUTCD).

Sign borders and lettering shall be black. Borders are 1/2 inch wide, inset 1/2 inch from outside edge of sign. All sign backgrounds shall be orange, except signs #1 and 5 which shall be reflectorized orange.

Signs shall be installed on posts, with a 5 foot minimum ground clearance, or temporary supports complying with MUTCD standards.

All signs are to be removed or covered when operations are interrupted for seasonal closure or other extended periods.

Contractor shall furnish personnel and advance warning signs where cable or helicopter logging above roads or trails, felling operations on roads or trails, where logs being bucked may roll into roads or trails, and in areas where fallout from blasting may occur. On roads listed in K.F.3.1# and temporary roads, Contractor may temporarily block the road for the purpose of furnishing logging personnel.

(b) Barricades. On roads listed in K.F.3.1#, if Contractor Operations cause the traveled way or road shoulders to be constructed overnight or longer, by such obstructions as decked logs, parked equipment, or piled slash, Contractor shall place barricades on both sides of the encroaching obstruction to safely channel traffic around such obstructions. Barricades shall remain in place until the obstruction is removed.

Barricades shall be Type II and meet specifications in MUTCD, Part VI. Barricades must be at least 3 feet high. Rails must be at least 2 feet long. Striping shall be alternating orange and white, sloping at a 45 degree angle, and reflectorized. For rails 2 feet to 3 feet long, striping shall be 4 inches wide. For rails longer than 3 feet, striping shall be 6 inches wide. Two rails, 8-12 inches in width, must face each direction.

Barricades shall be equipped with warning lights which shall be Type A low intensity flashing and shall be maintained so as to be capable of being visible on a clear night from a distance of 3,000 feet.

(c) Other Traffic Control Methods. The posting of CB channel signs may be authorized.

On roads listed in K.F.3.1#, Contractor may be authorized to install temporary gates, barricades (except cables), or natural barriers. The devices must be installed with the necessary hazard markers, be reasonably passable by Forest Service, and be removed prior to acceptance of the subdivision being served by the road.

TRAFFIC CONTROL PLAN AND SPECIFICATIONS – G.3.3 SAFETY (continued)

Part II. Specific Requirements:

There are no additional requirements.

Contractor and Forest Service agree to the above stated requirements of the Traffic Control Plan:

_____	_____
Name	Name
_____	_____
Title	Title
_____	_____
Date	Date

DRAFT

K.C.1.1# – TIMBER SUBJECT TO AGREEMENT. (4/04) In addition, there is within Contract Area an unestimated quantity of:

Species	Product
All Softwoods and All Hardwoods	Pulpwood

that shall be Included Timber upon written agreement.

K.C.3.5.5# (OPTION 1) – DESIGNATION BY PRESCRIPTION. (9/04) Within Division(s) or cutting unit(s) as shown on Contract Area Map, the following criteria, prescription and the minimum tree diameter stated in A.2 shall be used by Contractor to determine trees for marking and removal. Additional timber to be cut, if any, will be designated for cutting in accordance with C.3.7.

Contract Area Map indicates areas plainly identified on the ground where leave trees are Marked to be left uncut.

TABLE I – PRESCRIPTION ^{1/}

Subdivision Number	Designated Species	Trees per Acre	Average Spacing Feet	Special Selection Criteria
2, 15	Douglas-fir	55	28	Only standing live trees.
3, 9	Douglas-fir	70	25	Only standing live trees.
10	Douglas-fir	60	27	Only standing live trees.
11,12,13,16,17	Douglas-fir	75	24	Only standing live trees.
*Helicopter yarding portions of 1 and 4	Douglas-fir	75	24	Only standing live trees.
*Skyline yarding portions of 1 and 4	Douglas-fir	95	21	Only standing live trees.
8	Douglas-fir and Western Hemlock	70	25	Only standing live trees
6	Douglas-fir and Western Hemlock	75	24	Only standing live trees
*Helicopter yarding portions of 5 and 14	Douglas-fir and Western Hemlock	75	24	Only standing live trees
*Skyline yarding portions of 5 and 14	Douglas-fir and Western Hemlock	95	21	Only standing live trees

**Subdivisions 1, 4, 5, 14, there will be 2 (two) yarding methods utilized to remove included timber, Skyline and Helicopter. The Skyline portion of these units will require that 95 TPA be left and the Helicopter portion of these units will require 75 TPA be left. See Contract Area Map for approximate locations of these areas.*

^{1/} The selection of trees to be felled for harvesting in Table I will be made by using the following criteria:

1. Leave the largest and most vigorous candidates, varying the spacing by up to 25% to take advantage of the most desirable trees.
2. Include in the selection, up to 5 trees/acre that have desirable characteristics for future wildlife trees such as multiple topped trees or trees with larger than normal branches.
3. All hemlock, spruce and cedar trees will be left and may count as leave trees if over 12 inches DBH, except in units 5, 6, 8 and 14 where hemlock will be harvested along with Douglas-fir and left

where needed to meet residual tree numbers per acre. The largest and best trees would be left, in that case, regardless of species (except for trees with desirable wildlife traits).

4. Whenever trees are cut with visible infection stain from *Phellinus weirii* during the harvest felling operations or the CWD felling operation, those stumps will be marked by an “//” on the stump within one hour of felling as per K.G.4.1.2, Treatment of Stumps, in the Timber Sale Contract. The saw marks should be on the top of the stump, parallel, 2 inches deep and 6 inches apart. Use the field picture guide “Recognizing Laminated Root Rot in Freshly-cut Douglas-fir Stumps” to assist in identification. It will be furnished by the Forest Service.

5. Hardwoods do not count as leave trees and will not be included in the final tree count per acre for each subdivision.

The Contractor is responsible to meet the above Table I Prescription. The selection process will be closely monitored by the Timber Sale Administrator. This monitoring will take place during the felling operation.

Monitoring details:

Monitoring plots should show that cutting is done within the variance that is acceptable. All plots should be taken with a laser gun to minimize safety issues walking across logging debris. A 1/10th acre (37.2 feet radius) plot size will be used and a minimum of 1 plot per acre will be established and recorded.

Acceptable plot range (1/10th acre plot):

Trees per Acre	Trees per Plot	Acceptable Range of Trees Per Plot	Trees per plot averaged over entire unit using total #plots
55	5.0	3-7	4.5-6.5
60	6.0	4-8	5-7
70	7.0	5-9	6-8
75	7.0	5-9	6.5-8.5
95	9.0	7-11	8.5-10.5

Areas of felled and bucked timber will be checked and approved by Forest Service before yarding on that portion begins. In the event that monitoring indicates that improper trees were felled, at Forest Service discretion, trees will be marked with orange paint and left in place. If monitoring indicates that too few trees were felled, Forest Service will mark additional trees with blue paint to be felled to be within unit averages indicated above.

K.D.4.7# - ABNORMAL DELAY. (9/04) 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.

REMOVAL SCHEDULE

Included Timber

Time Limits

All.

60 days after felling is started.

K.F.1# (OPTION 1) - TEMPORARY ROAD AND LANDING CONSTRUCTION. (9/04) In addition to the requirements of F.1 and G.6.3, Contractor and Forest Service will agree to the design, construction, maintenance, closure, and obliteration of all Temporary Roads.

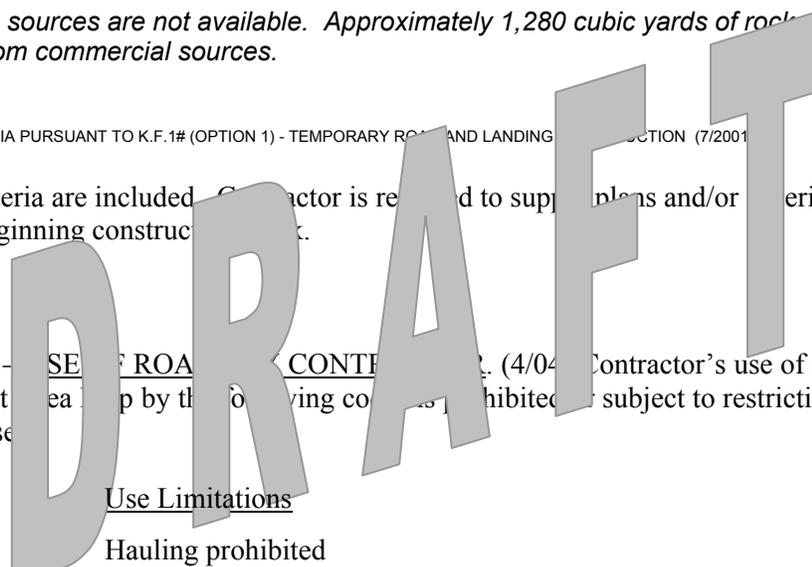
Construction of Temporary Roads in areas shown on Contract Area Map shall be in accordance with the attached plans or criteria.

Unless otherwise agreed, if Contractor's Operations require more than 0* cubic yards of rock for Temporary Roads, landings, or other temporary uses, such rock shall be obtained from commercial sources.

**Forest Service sources are not available. Approximately 1,280 cubic yards of rock will be needed. All rock shall be from commercial sources.*

PLANS AND/OR CRITERIA PURSUANT TO K.F.1# (OPTION 1) - TEMPORARY ROAD AND LANDING CONSTRUCTION (7/2001)

No plans or criteria are included. Contractor is required to supply plans and/or criteria to the Forest Service prior to beginning construction.



K-F.1.2# - SEASIDE ROAD CONTRACT (4/04) Contractor's use of existing roads identified on Contract Area Map by the following codes is prohibited, subject to restrictive limitations, unless agreed otherwise:

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

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

Restricted Road List

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
All Roads listed in K.F.3.1# and all Temporary Roads.				R	Constant reduced tire pressure is required. Tire pressure in steering axle will be set at 85 PSI, all other tires will be inflated to the minimum tire pressure recommended by the tire manufacture or not in excess of 80 PSI.
24	Jct Rd 2400862	Jct Co Rd 5036	2.7	R	Haul is prohibited from March 1 through August 5.

Title and Date of Governing Road Rules Document:
Siuslaw National Forest Road Rule
 (Commercial Road Rules)

January 1998
 (Effective Date)