

TRAFFIC CONTROL PLAN AND SPECIFICATIONS PURSUANT TO B6.33 SAFETY

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

Part I. Signing and Other Warning Methods:

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

| <u>LEGEND</u> | <u>MINIMUM LETTER SIZE AND MINIMUM SIZE AND SHAPE</u> | <u>WHEN AND WHERE REQUIRED</u> |
|---|---|--|
| 1. LOGGING OPERATIONS NEXT <> MILES (4" letters) | 24" (rectangle) 36" | Min. 100 ft. outside of any continuous work areas, on roads listed in C5.31# 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 C5.31# and temporary roads intersect with C5.31# 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 C5.31# 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 Purchaser road maintenance operations on roads listed in Schedule C5.31#. |

TRAFFIC CONTROL PLAN AND SPECIFICATIONS - B6.33 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 on temporary supports complying with MUTCD standards.

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

Purchaser shall furnish flag personnel and advance warning signs when cable or helicopter logging above roads or trails, felling adjacent to 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 C5.31# and temporary roads, Purchaser may temporarily block the road in lieu of furnishing flag personnel.

(b) Barricades. On roads listed in C5.31#, if Purchaser's Operations cause the traveled way or road shoulders to be constricted overnight, or longer, by such obstructions as decked logs, parked equipment, or piled slash, Purchaser 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 C5.31#, Purchaser 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 - BP6.33 SAFETY (continued)

Part II. Specific Requirements:

None

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

Name

Name

Title

Title

Date

Date

INDIVIDUAL TREE DESIGNATION - C2.35# (Option 1) 8/02

Definitions:

D x D: Designate by Description

D x D Stump Height: Measure at 4 inches above the the ground on the high side or uphill side of the tree.

D x D Diameter: Measure at the D x D specified stump height, outside the bark with diameter tape perpendicular to the bole of the tree. Stumps missing all or part of their bark will be measured as presented. Measure to the nearest tenth of an inch.

D x D Spacing: Measured slope distance 4 inches from ground level from the closest point between trees. This does not need to be measured on the uphill side of the tree.

All leave trees will remain standing.

Down Trees: a) An entire tree lying on the ground with an attached root wad; b) a root sprung tree with broken and exposed roots showing above the ground (root sprung trees must remain identifiable after logging).

Criteria for All Subdivisions:

All subdivisions are Designate by Description (D x D).

All skyline corridors, temporary roads, and landing clearing limits shall be identified and approved per C6.42#, before this provision is implemented.

All live Douglas-fir Ponderosa pine and True fir leave trees with a D x D stump diameter greater than 8.0 inches at the D x D stump height, and other coniferous species leave trees, shall remain standing after logging is complete, except those removed for operational purposes, ie: guyline and corridor trees.

Standing, live Douglas-fir, Ponderosa pine and True firs, must have a D x D diameter of 8.0 inches or greater at D x D stump height and meet the requirements in A2 of the contract to qualify as a leave tree to cut other trees.

Down trees (defined above) and trees outside the Subdivision boundary shall not be used to determine cut trees within the Subdivision.

Minimum stump height shall be 4 inches above the ground on the high side or uphill side of the tree.

Designate by Description All Subdivisions:

Douglas-fir, and True firs which meet the following criteria are designated for cutting:

Priority 1. They are within the D x D spacing distance (from the following list) of a live, blue partial cut carded, orange painted boundary tree that is 8.0 inches or larger at the D x D stump.

Priority 2. They are within the D x D spacing distance (from the following list) of a live tree with a D x D diameter of 8.0 inches or greater at D x D stump height that is marked with orange paint above and below D x D stump height

After the first two Priorities have been implemented, Priority 3 will be used to determine the remaining trees in the subdivision to be cut.

Priority 3. They are within the D x D spacing distance (from the following list) of a live Douglas-fir, Ponderosa pine or True fir leave tree with a larger D x D diameter at D x D stump height. The Douglas-fir, Ponderosa pine or True fir leave tree with the larger D x D diameter at D x D stump height shall remain standing.

D x D spacing distance

Each Subdivisions Designate by Description spacing.

O, JJ, KK, KK1, OO, = 16'

PP, QQ, SS, SS1, SS2, UU, YY, = 17'

RR, VV, = 18'

REMOVAL SCHEDULE PURSUANT TO C3.47# - ABNORMAL DELAY (09/2004)

| <u>Included Timber</u> | | <u>Time Limits</u> |
|---|----|--|
| ALL | 60 | days after felling is started. |
| All timber decked during construction clearing. | NA | days after felling on each Specified Road constructed by Purchaser is initiated. |
| Timber decked during road construction | NA | days after Forest Service authorizes Purchaser to use roads pursuant to B5.2. |

Table

PLANS AND CRITERIA PURSUANT TO C5.1# (OPTION 1)
TEMPORARY ROAD AND LANDING CONSTRUCTION (07/2001)

(Continued)

1. The Forest Service and Purchaser shall agree to temporary road locations and clearing limits prior to construction.
2. Temporary roads shall be constructed to a minimum width to accommodate logging equipment and shall be located to minimize the number of trees cut while minimizing the extent of ground impacted by construction.
3. All trees to be cut by the purchaser shall be identified and designated for cutting by the Forest Service prior to cutting.
4. On native running surfaces, Hauling shall be restricted to when dry conditions exist.
5. Clearing and grubbing debris shall be scattered in areas designated on the ground by the Forest Service.
6. Straw bales and/or other erosion control devices agreed to with the Forest Service, shall be placed in ditches, as needed to prevent sediment from entering stream courses.
7. At the end of each season, or when the purchaser is done with the temporary road, purchaser shall install drivable drain dips and water bars, or other erosion control measures, to stabilize the road and prevent erosion (on slopes over 8%, this may require a structure approximately every 100 feet). Purchaser shall also seed and fertilize the the road in accordance with C6.6, and close the road to normal vehicular traffic.
8. Culverts shall be placed in all stream courses along temporary roads. Culverts shall be corrugated metal pipe and shall not be less than 18" in diameter, unless otherwise agreed to in writing.
9. Culvert installation in live streams shall take place between **July 1 and October 15**. During culvert installation in live streams, the streams will be temporarily diverted around the site and biodegradable geotextile cloth will be placed downstream from the site to minimize transport of sediment, unless other methods are agreed to in writing with the Forest Service. At the end of temporary road use, culverts will be pulled and erosion control methods will be used to stabilize road and prevent erosion.
10. Landings shall be designed in accordance to B6.422, shall be as small as operationally feasible, and shall be agreed to in writing by the Forest Service.
11. Areas to be covered with fill material shall be cleared of logs and cull woody material over 4 inches in diameter and/or 8 feet long.
12. Where side slopes exceed 45 percent, waste material shall be end-hauled to locations authorized in writing by the Forest Service.
13. Placement of rock ballast shall not take place unless mutually agreed to in writing by the Forest Service.
14. Rock ballast shall not exceed 4 inches in depth, unless mutually agreed to in writing by the Forest Service. Landing cut and fill slopes shall be left at no steeper than 1 ½ to 1 upon completion of sale operations.

TABLE A PURSUANT TO C5.12# - USE OF ROADS BY PURCHASER (06/1999)

Restricted Road List

| Road Number | Road Name | Termini | | Map Legend | Description of Restrictions |
|-------------|----------------|--------------|-----------------|------------|-----------------------------|
| | | From | To | | |
| 1926 | | Road 1926576 | Road 1926570 | R* | |
| 1926112 | | Road 1926570 | Unit JJ | R* | |
| 1926570 | | Road 1926 | Unit JJ | R* | |
| 1926576 | Flap Jack | Road 1926 | Road 1927 | R* | |
| 1926577 | Short Cut | Road 1926 | Unit O | R* | |
| 1926578 | | Road 1926 | Unit JJ | R* | |
| 1927 | Augusta Creek | Road 1926 | Unit RR | R* | |
| 1927106 | | Road 1927 | Unit PP | R* | |
| 1927600 | | Road 1927 | Road 1927642 | R* | |
| 1927608 | | Road 1927 | M.P. 0.25 | R* | |
| 1927642 | | Road 1927600 | Spur Unit PP | R* | |
| 1932 | Mossy Creek | Road 1927 | Road 1932629 | R* | |
| 1932624 | Lower Mossy Ck | Road 1932 | Unit VV | R* | |
| 1932629 | | Road 1932 | Mossy Creek Pit | R* | |
| 1933 | | Road 1927 | Unit KK1 | R* | |

* Limited structural strength will not support commercial haul during wet weather.

Title and Date of Governing Road Rules Document:

Road Rules for Commercial Haul
Willamette National Forest

January 1991

Commercial Road Rules

Effective Date

MATERIAL SOURCE TABLE PURSUANT TO C5.221# - MATERIAL SOURCES (04/2004)

| Material | Type of Purchase | Owner(s) | Unit of Measure | Unit Price | Estimated Quantity | Total |
|-------------------|-------------------|------------------------------|-----------------|------------|--------------------|-------|
| Crushed Aggregate | Commercial Source | Appraised from Oakridge, OR. | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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

Contract Road Maintenance Requirements Summary

| Road | Termini | | Miles | Applicable Pre Haul Road Maintenance Specifications | | | | | | | | | | |
|---------|----------|----------------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | From | To | | T-803 | T-811 | T-813 | T-831 | T-834 | T-836 | T-838 | T-839 | T-842 | T-851 | T-854 |
| 1926112 | Unit JJ | 1926570 | 0.31 | P | | | | | | | | P | | P |
| 1926570 | 1926112 | 1926 | 1.25 | P | | P | | | | | | P | | P |
| 1926578 | Unit JJ | 1926 | 0.13 | P | | | | | | | | P | | |
| 1926577 | Unit O | 1926576 | 0.25 | P | | | | | | | | P | | |
| 1926 | 1926570 | 1926576 | 4.55 | P | P | | P | P | | | | | P | |
| 1926576 | 1026 | 1927 | 0.50 | P | P | | P | P | | | | | P | |
| 1926608 | U# SS2 | 1927 | 0.50 | P | | | | | | | | P | | |
| 1927642 | Unit PP | 1927600 | 0.25 | P | | | | | | | | P | | |
| 1927600 | 1927622 | 1927 | 0.87 | P | | | | | P | | | | | |
| 1927106 | Unit PP | 1927 | 0.10 | P | | | | | | | | P | | |
| 1933 | Unit Kkl | 1927 | 1.25 | P | P | | P | P | | | | | P | |
| 1927104 | Unit UU | 1927 | 0.25 | P | | | | | | | | P | | |
| 1932105 | Unit YY | 1932 | 0.10 | P | | | | | | | | P | | |
| 1932 | Unit YY | 1927 | 2.26 | P | | P | | | | | | P | | P |
| 1927 | Unit RR | 1933 | 5.5 | P | P | | P | P | P | | | | P | |
| 1927 | 1933 | 1926 | 4.99 | P | D | D | | D | | | | | | |
| 1926 | 1927 | 1900 | 2.97 | P | D | D | | D | | | | | | |
| 1900 | 1926 | Westfir Bridge | 12.89 | P | D | D | | D | | | | | | |

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

| Road | Termini | | Miles | Applicable During Haul Road Maintenance Specifications | | | | | | | | | | |
|---------|----------|----------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | From | To | | T-803 | T-811 | T-813 | T-831 | T-834 | T-836 | T-838 | T-839 | T-842 | T-851 | T-854 |
| 1926112 | Unit JJ | 1926570 | 0.31 | P | | | | | | | | P | | P |
| 1926570 | 1926112 | 1926 | 1.25 | P | | P | | | | | | P | | P |
| 1926578 | Unit JJ | 1926 | 0.13 | P | | | | | | | | P | | |
| 1926577 | Unit O | 1926576 | 0.25 | P | | | | | | | | P | | |
| 1926 | 1926570 | 1926576 | 4.55 | P | P | | P | P | | | | | P | |
| 1926576 | 1026 | 1927 | 0.50 | P | P | | P | P | | | | | P | |
| 1926608 | U# SS2 | 1927 | 0.50 | P | | | | | | | | P | | |
| 1927642 | Unit PP | 1927600 | 0.25 | P | | | | | | | | P | | |
| 1927600 | 1927622 | 1927 | 0.87 | P | | | | | P | | | | | |
| 1927106 | Unit PP | 1927 | 0.10 | P | | | | | | | | P | | |
| 1933 | Unit Kkl | 1927 | 1.25 | P | P | | P | P | | | | | P | |
| 1927104 | Unit UU | 1927 | 0.25 | P | | | | | | | | P | | |
| 1932105 | Unit YY | 1932 | 0.10 | P | | | | | | | | P | | |
| 1932 | Unit YY | 1927 | 2.26 | P | | P | | | | | | P | | P |
| 1927 | Unit RR | 1933 | 5.5 | P | P | | P | P | P | | | | P | |
| 1927 | 1933 | 1926 | 4.99 | P | D | D | | D | | | | | | |
| 1926 | 1927 | 1900 | 2.97 | P | D | D | | D | | | | | | |
| 1900 | 1926 | Westfir Bridge | 12.89 | P | D | D | | D | | | | | | |

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

| Road | Termini | | Miles | Applicable Post Haul Road Maintenance Specifications | | | | | | | | | | |
|---------|----------|----------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | From | To | | T-803 | T-811 | T-813 | T-831 | T-834 | T-836 | T-838 | T-839 | T-842 | T-851 | T-854 |
| 1926112 | Unit JJ | 1926570 | 0.31 | | | | | | | | | P | | |
| 1926570 | 1926112 | 1926 | 1.25 | | | P | | | | | | P | | |
| 1926578 | Unit JJ | 1926 | 0.13 | | | | | | | | | P | | |
| 1926577 | Unit O | 1926576 | 0.25 | | | | | | | | | P | | |
| 1926 | 1926570 | 1926576 | 4.55 | | P | | P | P | | | | | | |
| 1926576 | 1026 | 1927 | 0.50 | | P | | P | P | | | | | | |
| 1926608 | U# SS2 | 1927 | 0.50 | | | | | | | | | P | | |
| 1927642 | Unit PP | 1927600 | 0.25 | | | | | | | | | P | | |
| 1927600 | 1927622 | 1927 | 0.87 | | | | | | P | | | | | |
| 1927106 | Unit PP | 1927 | 0.10 | | | | | | | | | P | | |
| 1933 | Unit Kkl | 1927 | 1.25 | | P | | P | P | | | | | | |
| 1927104 | Unit UU | 1927 | 0.25 | | | | | | | | | P | | |
| 1932105 | Unit YY | 1932 | 0.10 | | | | | | | | | P | | |
| 1932 | Unit YY | 1927 | 2.26 | | | P | | | | | | P | | |
| 1927 | Unit RR | 1933 | 5.5 | | P | | P | P | P | | | | | |
| 1927 | 1933 | 1926 | 4.99 | | D | D | | D | | | | | | |
| 1926 | 1927 | 1900 | 2.97 | | D | D | | D | | | | | | |
| 1900 | 1926 | Westfir Bridge | 12.89 | | D | D | | D | | | | | | |

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

Description of work required by the above listed T-specs is shown in the following ROAD MAINTENANCE REQUIREMENTS SPECIFICATION table, and included in the timber sale contract.

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION TABLE PURSUANT TO
C5.31# - ROAD MAINTENANCE REQUIREMENTS (7/01)

| 1 Road No. And Termini | 2 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 | Treat |
| 1926112 Unit JJ - 1926570 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR/* 1</u> |
| 1926570 1926112 - 1926 | | <u>EX</u> | <u>AI</u> | <u>A</u> | <u>OPT</u> | <u>**</u> | | | | | <u>TS</u> | | <u>PR</u> |
| 1926578 Unit JJ - 1926 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR/* 1</u> |
| 1926577 Unit O - 1926576 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR/* 2</u> |
| 1926 1926570 - 1926576 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR</u> |
| 1926576 1926 - 1927 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR</u> |
| 1927608 Unit SS - 1927 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR</u> |
| 1927642 Unit PP - 1927600 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR</u> |
| 1927600 1927622 - 1927 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR</u> |
| 1927106 Unit PP - 1927 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>JU</u> | | <u>PR/* 1</u> |
| 1933 Unit KK1 - 1927 | | <u>EX</u> | <u>AI</u> | <u>B</u> | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR</u> |
| 1932104 Unit UU - 1927 | | <u>EX</u> | <u>AI</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR/* 3</u> |
| 1932105 Unit YY - 1932 | | <u>EX</u> | <u>AL</u> | | <u>OPT</u> | | | | | | <u>TS</u> | | <u>PR/* 1</u> |
| 1932 Unit YY - 1927 | | <u>EX</u> | <u>AL</u> | <u>B</u> | <u>OPT</u> | <u>Grading D</u> | | | | | <u>TS</u> | | <u>PR</u> |
| 1927 Unit RR - 1933 | | <u>EX</u> | <u>AL</u> | <u>B</u> | <u>OPT</u> | | | | | | <u>JU</u> | | <u>PR</u> |
| 1927 1933 - 1926 | | <u>EX</u> | <u>AL</u> | | <u>OPT</u> | | | | | | <u>JU</u> | | <u>PR</u> |
| 1900 1927 - Westfir Bridge | | <u>EX</u> | <u>AL</u> | | <u>OPT</u> | | | | | | <u>JU</u> | | <u>PR</u> |

* Number of Water bars to be constructed when logging is complete will be staked by C.O.

** Use pit material from pit at MP 0.02 of 1926570 spur.

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION CODES TABLE PURSUANT TO
C5.31# - ROAD MAINTENANCE REQUIREMENTS (7/01)

| Column No. | Heading | Entry | Explanation |
|------------|-------------------------------|----------------------|---|
| | Any | Blank | Except as otherwise described, no entry indicates Purchaser 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 | Purchaser shall maintain the traveled way to the width existing upon entry, or at the completion of Specified Road work. |
| | | Numbers | Purchaser 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 | Purchaser 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 | Purchaser may use hand or mechanical means of brushing. |
| | | H | Only hand brushing may be used. |

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION CODES TABLE PURSUANT TO
C5.31# - ROAD MAINTENANCE REQUIREMENTS (7/01)

| Column No. | Heading | Entry | Explanation |
|------------|----------------------|-------------------|---|
| 5 | Surfacing | Aggregate Grading | Purchaser shall place surfacing on roads listed according to the grading indicated. |
| 6 | Dust Abatement | OPT | Product selection is Purchaser's choice from those listed in Section T-812. |
| | | Product Abbr. | Unless otherwise agreed, Purchaser 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 | Purchaser shall abate dust on the existing width |
| | | Numbers | Purchaser shall abate dust to the width indicated by entry. |
| 7 | Seasonal Maintenance | W | Waterbars and/or crossditching shall be required prior to expected seasonal precipitation. |
| | | B | Entrance barriers shall be installed by Purchaser prior to nonuse periods. |
| 8 | Snow Removal | TS | Snowplowing authorized for Purchaser'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 | PR | PR denotes that work is Purchaser's Responsibility to perform. |

SCHEDULE PURSUANT TO C6.315# - SALE OPERATION SCHEDULE (06/1994)

| <u>Subdivision</u> | <u>Operating Conditions</u> | <u>Purpose</u> |
|---|---|--|
| All | Permanent and temporary road reopening and construction/reconstruction shall occur during the dry season (approximately between June 1 and October 31). | Avoid potential surface erosion of exposed soil. |
| All permanent and temporary roads | No live stream culvert work from October 16 to June 30. | Minimize input of sediment into streams. |
| All permanent and temporary native surfaced roads | Native surfaced roads are restricted during the wet season (approximately November 1 through May 31) unless rocked. | Minimize input of sediment into streams. |
| All native surfaced landings | Use is restricted during the wet season (approximately between October 16 and May 14) unless rocked. | Minimize input of sediment into streams. |

TABLE PURSUANT TO C6.41# - SPECIFIC REQUIREMENTS (01/2000)
(Continued)

FELLING METHODS

SUBDIVISIONS

Trees shall be felled away from designated Streamcourses and wet areas. Direction of felled trees shall also be towards the lead, which shall facilitate the yarding operation so damage to residual trees is kept to a minimum. Exceptions to these objectives apply only where safety, or protecting improvements, terrain features, or felling within Subdivision boundaries preclude felling to lead.

All

FELLING EQUIPMENT

SUBDIVISIONS

Wedges and tree jacking equipment.

All

TABLE PURSUANT TO C6.42# - YARDING/SKIDDING REQUIREMENTS (04/2003)

(Continued)

YARDING/SKIDDING REQUIREMENTS

SUBDIVISION

| | | |
|-----|--|--------------------|
| 1. | Except during lateral yarding, the yarding system must keep one end of the log suspended above ground during in-haul. Full suspension required over creeks and wet areas at least 50 feet on either side. | All |
| 2. | The carriage shall be positioned such that during lateral yarding, logs are yarded away from stream courses and wet areas. | All |
| 3. | Ground-lead yarding is permitted within 100 feet of subdivision boundaries, 100 feet of tail trees, and 100 feet of the tower position. | All |
| 4. | Skyline roads will be spaced no further apart than 150 feet at the back end of the road when radial road are used and 150 feet center to center where parallel roads are used. | All |
| 5. | Skyline corridors shall normally not exceed 12 feet in width after yarding has been completed. | All |
| 6. | When skyline, haulback, or other cables pass through areas of residual trees or reproduction more than 18 inches in height, lines shall be pulled out of the residual trees or reproduction area prior to restringing the next skyline road. | All |
| 7. | Location of all skyline roads shall be agreed upon prior to felling. | All |
| 8. | A slackpulling carriage must be able to maintain a fixed position on the skyline during lateral yarding and be able to pass over intermediate supports. The carriage must be capable of lateral yarding up to 75 feet from skyline. | All |
| 9. | Tailtrees, multi-stump anchors, and intermediate supports may be necessary to achieve suspension requirements. | All |
| 10. | The haulback line that is attached to the carriage shall be positioned so that it remains within the skyline corridor. The objective is to reduce lateral movement in the skyline. | All |
| 11. | Trees within the subdivision or outside the boundary which are felled in order to raise the skyline or are damaged by line whip shall not be designated as included timber by the Forest Service. | All |
| 12. | A skyline system capable of transporting logs at least 1800 feet slope distance uphill and downhill. | All |
| 13. | A yarder with maximum block height of 50 feet to keep the lines under the canopy. | All |
| 14. | The motorized carriage must provide a means for pulling slack and be able to maintain a fixed position in the skyline during lateral Yarding and be able to pass over intermediate supports. | All |
| 15. | Equipment anchor may be needed for back guys. | PP, UU, VV, and YY |
| 16. | Tractor assist may be necessary | QQ, UU, and YY |

APPLICATION SCHEDULE PURSUANT TO C6.6# - EROSION CONTROL AND SOIL TREATMENT BY PURCHASER
(07/2001)

| SUBDIVISION OR UNIT NUMBER | AREAS | SEED | | FERTILIZER | | MULCH | |
|----------------------------------|---|-------------------------------|--------|---------------------------|--------|---------------------------|--------|
| | A) SKID TRAILS B) FIRELINES C) TEMP. ROADS D) LANDINGS E) OTHER | APPLICATION | | APPLICATION | | APPLICATION | |
| | | SPECIES <u>1</u> / MIXTURE | LBS/AC | TYPE <u>2</u> / LBS/AC | LBS/AC | TYPE <u>3</u> / LBS/AC | LBS/AC |
| All | C) TEMP ROADS D) LANDINGS | 4/,5/ | 4/,5/ | N/A | N/A | 7/ | 1500 |
| | | | | | | | |
| All | E) System road cut and fill slope | 4/,5/ | 4/,5/ | N/A | N/A | 7/ | 1500 |

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

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

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

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

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

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

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

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

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

APPLICATION SCHEDULE PURSUANT TO C6.6# - EROSION CONTROL AND SOIL TREATMENT BY PURCHASER
(07/2001)

(Continued)

| <u>GRASS</u> | <u>SPECIES MIXTURE</u> | <u>POUNDS/ACRE</u> |
|-------------------|---|--------------------|
| 4/ | Native Seed Mixture: Blue wildrye grass Slopes: 0 - 25% | 20 |
| 5/ | Native See Mixture: Blue wildrye grass Slopes: 26% or greater | 40 |
| <u>FERTILIZER</u> | <u>TYPE</u> | <u>POUNDS/ACRE</u> |
| 6/ | N/A | N/A |
| <u>MULCH</u> | <u>TYPE</u> | <u>POUNDS/ACRE</u> |
| 7/ | Wood Fiber Mulch OR Straw (Organic-Weedfree) | 1500 1500 |

DETAILED SLASH DISPOSAL PLAN
Willamette National Forest

In accordance with Contract Provision C6.74#, SLASH TREATMENT REQUIREMENTS, the following is the detailed Slash Disposal Plan and Specifications.

I. Yarding Tops and Limbs Left Attached to Logs

Tops and limbs will be left attached to all logs and will be yarded to landings. For safe and efficient operations at the landing and to keep landing size small, the larger material (over 2 inches dob small end) shall be severed and stacked in a parallel position, unless otherwise agreed to in writing by the Forest Service. The location of piles and method of piling shall be in accordance with the specifications listed below in section II (Machine Piling of Landing Slash).

II. Machine Piling of Landing Slash

A. Slash to be Piled

The purchaser is responsible for machine piling and dividing tops from less than 6 inch and unutilized material yarded to and left at landing sites in all subdivisions. This will include all material at least 1 inch in diameter and at least 3 feet in length. This may include chunks, broken tops, limbs, branches, rotten wood, brush, damaged or destroyed reproduction, and saplings or poles created by any type of vegetative cutting or clearing as stated in C6.7.

B. Location of Piles

Piles will be located so as to minimize damage to standing green trees during burning. Unless otherwise approved by Forest Service, piles will be constructed to be equal distance between the boles of standing green trees. Piles will not be placed where they will interfere with functioning of drainage structures, ditches, or stream channels.

C. Construction and Size of Piles

Slash piles for material less than 6 inches in diameter will be constructed using a "lift and stack" method using normal log loading equipment, unless otherwise approved by the Forest Service. Piles should be as compact as possible, and should be free of dirt and rocks. Completed piles should be approximately equal in height and width. As noted in section I, material over 4 inches dib should be stacked in a parallel position.

III. Roadside Clean up

A. Purchaser responsibility of roadside clean up

Cleaning along all roads 30 feet from edge of all system roads which are adjacent to all Moss Thin subdivisions will be purchaser's responsibility. The machine used to grapple pile the slash shall stay on the road surface.

B. Material to Pile

This will include all material at least 1 inch in diameter and at least 3 feet in length. This may include chunks, broken tops, and limbs, branches, rotten wood, and brush, damaged or destroyed reproduction, and saplings or poles created by any type of vegetative cutting or clearing as stated in C6.7.

C. Construction and Size of Piles

Slash piles for roadside clean up will be constructed using a "lift and stack" method using normal log loading equipment, unless otherwise approved by the Forest Service. Piles should be as compact as possible, and should be free of dirt and rocks. Completed piles should be approximately equal in height and width. As noted in section I, material over 4 inches dib should be stacked in a parallel position.