

# P R O S P E C T U S

GRANTS PASS RESOURCE AREA  
JOSEPHINE MASTER UNIT

Medford Sale #ORM07-TS-12-15  
June 28, 2012 (LS)

#2. MCKNABE TS, Josephine County, P.D.

BID DEPOSIT REQUIRED: **\$1,600.00**

All timber designated for cutting in Lots 3 and 4, S1/2NW1/4 Section 4, T. 34S., R. 7W.,  
Willamette Meridian.

Approx. Number Merch. Trees	Est. Volume MBF 32' Log	Est. Volume CCF	Species	Est. Volume MBF 16' Log	Appr. Price Per MBF*	Est. Volume Times Appraised Price
3155	236	530	Douglas-fir	277	\$53.20	\$14,736.40
197	26	57	Ponderosa Pine	31	**\$32.10	\$995.10
18	2	6	Sugar Pine	3	**\$25.60	\$76.80
<b>3370</b>	<b>264</b>	<b>593</b>	<b>Totals</b>	<b>311</b>		<b>\$15,808.30</b>

\*Stumpage values have been determined by market value estimates and analytical appraisal methods were used to compute the appraised price. Additional information concerning the appraised price is available at the Grants Pass Interagency Office.

\*\*Minimum stumpage values were used to compute the appraised price (10% of pond value).

**TIMBER AUCTION LOCATION** – The timber auction will be held at the Grants Pass Interagency Office, located at 2164 NE Spaulding Ave, Grants Pass, Oregon, at 9:00 a.m. on Thursday, June 28, 2012.

Bidders will be restricted to bidding on a unit (MBF) rate of the Douglas-fir volume. All other species will be sold at appraised price per unit (MBF). The minimum bid increment will be \$0.10 per MBF.

**CRUISE INFORMATION** - The Douglas-fir and ponderosa pine has been cruised using the 3-P sampling method to select sample trees. Maps showing the location and description of these sample trees are available at the Grants Pass Interagency Office. The sample trees have been measured utilizing the VOLT system of measurement and the volume expanded to a total sale volume. The volume of all other species in this sale has been derived from individual tree measurements taken during a 100% cruise using form class tables for estimating board foot volume of trees in 16-foot logs.

With respect to merchantable trees of all conifer species: the average tree is 11.4 inches DBHOB; the average gross merchantable log contains 36 bd. ft.; the total gross volume is approximately 336 M bd. ft; and 93% recovery is expected. (Average DF is 11.1 inches DBHOB; average gross merchantable log DF contains 35 bd. ft.)

**LOG EXPORT AND SUBSTITUTION RESTRICTIONS** - All timber sold to the Purchaser under the terms of the contract, except exempted species, is restricted from export from the United States in the form of unprocessed timber and is prohibited from use as a substitute for exported private timber.

The BLM has revised the log export restrictions special provision to reduce the log branding and painting requirements. The new requirements include branding of one end of all logs with a

scaling diameter of over 10 inches. All loads of 11 logs or more, regardless of the diameter of the logs, will have a minimum of 10 logs branded on one end. All logs will be branded on loads of 10 logs or less. One end of all branded logs will be marked with yellow paint. At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. The Purchaser shall bear any increased costs for log branding and painting.

CUTTING AREA – Two (2) units containing fifty-eight (58) acres must be partial cut.

CUTTING TIME - Contract duration will be 36 months for cutting and removal of timber.

ACCESS - Access to the sale area is available via an existing BLM road.

ROAD MAINTENANCE - The Purchaser will be required to maintain all of the roads which he constructs plus 4.45 miles of existing BLM road. The Purchaser will be required to pay a rockwear fee of \$669.33 for the use of these roads.

SOIL DAMAGE PREVENTION Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, the Purchaser shall limit ground-based harvesting, temporary route/ skid trail construction, renovation, and maintenance between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. The Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, No hauling in the Contract Area shall be conducted between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If the Authorized Officer determines that hauling would not result in road damage or the transport of sediment to nearby stream channels based on soil moisture conditions or rain events, Contracting Officer may approve a conditional waiver for hauling. If soil moisture conditions or rain events are anticipated to cause impacts to roads or stream water quality resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

#### EQUIPMENT REQUIREMENTS

1. Yarding tractor not greater than 9 feet wide, as measured from the outer edges of standard width track shoes and equipped with integral arch and winch capable of lining logs 75 feet.
2. Mechanical harvester not greater than 9 feet wide and capable of 20ft reach.

SLASH DISPOSAL – Slash disposal will consist of lop and scatter, handpile and cover handpiles, and machine pile and cover landing piles as described in SD-5 of the Special Provisions. A post logging assessment shall be conducted to determine treatment needs within the units. The initial appraised slash disposal treatments consist of five (5) acres of hand pile and cover fifty feet down from the 34-7-3.1 road and 34-7-4.5 road, fifteen (15) acres of lop and scatter, and eleven (11) acres of covering landing decks.

CONTRACT TERMINATION - A Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and/or to modify or terminate the contract when necessary to comply with the Endangered Species Act, or comply with a court order, in accordance with the Standards and Guidelines of the Medford District Record of Decision (ROD) and Resource Management Plan

(RMP). This contract provision limits the liability of the Government to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area.

PERFORMANCE BOND - A performance bond in the amount of 20% of the total purchase price will be required.

OTHER -

1. No extension of time beyond the normal 30 days will be granted for completing bonding and contract signing requirements.
2. This contract contains provisions (L-25) Before cutting and removing any trees necessary to facilitate logging in the harvest units shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, and intermediate support trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan.
4. Purchaser shall, prior to October 15 of the same operating season, winterize and rehabilitate landings, skid trails, and other areas of exposed soils.
5. No hauling, road maintenance, or yarding in the Contract Area shall be conducted between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA – From Sunny Valley take Leland road heading west for approximately 6 miles. Turn right onto Lower Grave Crk. Rd take for approximately 2 miles. Turn Left onto Grave Creek Rd and drive approximately 2 miles. Turn left onto 34-7-2 (Angora Crk. Rd.) and travel .2 mi to the intersection of 34-7-3. Go approximately 2 miles and veer left onto the 34-7-3.1. Go approximately 2 miles and turn left onto the 34-7-4.5. The sale units are located on this road. See Exhibit A, McKnabe Timber Sale Location Map, and Grants Pass Resource Area transportation maps for more detailed information on roads and unit locations.

ENVIRONMENTAL ASSESSMENT – A categorical exclusion DOI-BLM-OR-M080-2012-006-CX was prepared for this sale, and a Finding of No Significant Impact has been documented. This document is available for inspection as background for this sale at the Medford Interagency Office.

McKnabe T.S. ORM07-TS-12-15

 Restricted to Moisture Conditions, Waiver Allowed

Culvert inlet cleaning in stream channels are restricted to low flow periods (generally June 15 through September 15).

[illegible]

## MCKNABE TIMBER SALE

THIS IS A SALE PROSPECTUS ONLY. THESE ARE THE SPECIAL PROVISIONS AS THEY WILL BE WRITTEN IN THE CONTRACT. ATTACHMENTS MAY NOT INCLUDE ALL EXHIBITS REFERRED TO IN THE CONTRACT PROVISIONS. THE COMPLETE CONTRACT, INCLUDING ALL EXHIBITS, IS AVAILABLE FOR INSPECTION AT THE MEDFORD DISTRICT OFFICE.

Section 40. TIMBER RESERVED FROM CUTTING - The following timber on the contract area is hereby reserved from cutting and removal under the terms of this contract and is retained as the property of Government.

- (A) AR-1 All timber on the Reserve Area(s) as shown on Exhibit A and all trees marked with a combination of orange paint, orange flagging, and/or posters which are on or mark the boundaries of the Reserve Area(s).
- (B) IR-2 All timber except approximately one thousand five hundred and eighty-eight (1,588) Douglas-Fir, one hundred and ninety-seven (197) ponderosa pine, and eighteen (18) sugar pine trees marked for cutting heretofore by the Government with blue paint above and below stump height in the Unit 1 as shown on Exhibit A.
- (C) IR-2 All timber except approximately one thousand five hundred and sixty-seven (1,567) Douglas-Fir trees marked for cutting heretofore by the Government with blue paint above and below stump height in the Progeny unit as shown on Exhibit A.
- (D) IR-6 All non-hazardous snags in harvest units shown on Exhibit A.
- (E) IR-6 All pre-existing dead and down wood in harvest units shown on Exhibit A.

MCKNABE TIMBER SALE  
SPECIAL PROVISIONS

Section 41

(A) Log Exports

- (1) LE-1 All timber sold to the Purchaser under the terms of the contract, except exempted species, is restricted from export from the United States in the form of unprocessed timber, and is prohibited from being used as a substitute for exported private timber. For the purpose of this contract, unprocessed timber is defined as: (1) any logs, except those of utility grade or below, such as sawlogs, peeler logs; and pulp logs; (2) cants or squares to be subsequently remanufactured exceeding eight and three-quarters (8-3/4) inches in thickness; (3) split or round bolts or other roundwood not processed to standards or specifications suitable for end product uses; or (4) western red cedar lumber which does not meet lumber of American Standards Grades of Number 3 dimension or better, or Pacific Lumber Inspection Bureau R-List Grades of Number 3 Common or better. Thus, timber manufactured into the following will be considered processed: (1) lumber and construction timbers regardless of size, manufactured to standards and specifications suitable for end-product uses; (2) chips, pulp, and pulp products; (3) green or dry veneer and plywood; (4) poles and piling cut or treated for use as such; (5) cants, squares, and lumber cut for remanufacturing of eight and three quarters (8-3/4) inches in thickness or less; or (6) shakes and shingles.

Substitution will be determined under the definition found in 43 CFR 5400.0-5(n).

The Purchaser is required to maintain and upon request to furnish the following information:

1. Date of last export sale.
2. Volume of timber contained in last export sale.
3. Volume of timber exported in the past twelve (12) months from the date of last export sale.
4. Volume of Federal timber purchased in the past twelve (12) months from the date of last export sale.
5. Volume of timber exported in succeeding twelve (12) months from date of last export sale.

6. Volume of Federal timber purchased in succeeding twelve (12) months from date of last export sale.

In the event the Purchaser elects to sell any or all of the timber sold under this contract in the form of unprocessed timber, the Purchaser shall require each party buying, exchanging, or receiving such timber to execute a "Certificate as to Nonsubstitution and the Domestic Processing of Timber." The original of such certificate shall be filed with the Authorized Officer. Additionally, when the other party is an affiliate of the Purchaser, the Purchaser will be required to update information under item (2) of Form 5450-17 (Export Determination) and file the form with the Authorized Officer.

In the event an affiliate of the Purchaser has exported private timber within twelve (12) months prior to purchasing or otherwise acquiring Federal timber sold under this contract, the Purchaser shall, upon request, obtain from the affiliate information in the form specified by the Authorized Officer and furnish the information to the Authorized Officer.

Prior to the termination of this contract, the Purchaser shall submit to the Authorized Officer Form 5460-15 (Log Scale and Disposition of Timber Removed Report), which shall be executed by the Purchaser. In addition, the Purchaser is required under the terms of this contract to retain for a three-year period from the date of termination of the contract the records of all sales or transfer of logs involving timber from the sale for inspection and use of the Bureau of Land Management.

Unless otherwise authorized in writing by the Contracting Officer, the Purchaser shall brand clearly and legibly one end of all logs with a scaling diameter (small end inside bark) of over ten (10) inches, prior to the removal of timber from the contract area. All loads of eleven (11) logs or more will have a minimum of ten (10) logs clearly and legibly branded on one end regardless of the diameter of the logs. All logs will be branded on loads of ten (10) logs or less. One end of all branded logs to be processed domestically will be marked with a three (3) square inch spot of highway yellow paint. The Purchaser will stop trucks for accountability monitoring at mutually agreed upon locations when notified by the Authorized Officer.

If multiple trailers (mule trains) are used, each bunked load shall be considered an individual load, and these guidelines will apply to each bunked load. If a flatbed stake trailer is used, each bundle will be treated as a separate load.

At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. Any increased costs for log branding and painting shall be the responsibility of the Purchaser.

In the event of the Purchaser's noncompliance with this subsection of the contract, the Authorized Officer may take appropriate action as set forth in Section 10 of this contract. In addition, the Purchaser may be declared ineligible to receive future awards of Government timber for a period of one year.

(B) Logging

- (1) L-1 Before beginning operations on the contract area for the first time or after a shutdown of seven (7) or more days, the Purchaser shall notify the Authorized Officer in writing of the date they plan to begin operations. This written notification must be received by the Authorized Officer no less than seven (7) days prior to the date the Purchaser plans to begin or resume operations. The Purchaser shall also notify the Authorized Officer in writing if they intend to cease operations for any period of (7) or more days.
- (2) L-3 All trees designated for cutting shall be cut so that the resulting stumps shall not be higher than twelve (12) inches measured from the ground on the uphill side of the trees.
- (3) L-6 In harvest units as shown on Exhibit A, all trees designated for cutting shall be felled and whole tree yarded or yarded with tops attached except when excessive stand damage occurs as determined by the Authorized Officer. If excessive stand damage occurs, all trees shall be bucked into log lengths not to exceed forty one (41) feet prior to being yarded.
- (4) L-7 In the cable yarding areas of harvest units as shown on Exhibit A, all trees designated for cutting shall be manually felled. Tractor yarding portions of commercial thin harvest units as shown on Exhibit A may be felled mechanically using a harvester, feller-processor, or feller-buncher with the approval of the Authorized Officer and in accordance with the following specifications:
  - (a) Mechanized felling operations shall be limited to slopes of thirty-five (35) percent or less.
  - (b) Mechanized felling operations are subject to seasonal operating restrictions as described in Section 41(B)(7) of this contract.
  - (c) The harvester, feller-processor, or feller-buncher shall be approved by the Authorized Officer prior to the start of mechanized felling operations.



Only purpose built carriers with boom-mounted felling heads may be approved. The boom must have a lateral reach of twenty (20) feet or more, and the machine's lateral reach must be utilized as much as possible. The purpose-built carrier may be of the articulated, rubber-tired design, or the zero-clearance tail swing leveling track-mounted design.

- (d) When practical, the harvest equipment must walk on a mat of existing or created slash. To achieve this, the Purchaser will not be required to yard with tops attached.
- (5) L-7MC Yarding on the areas designated herein and shown on Exhibit A shall be done in accordance with the yarding requirements or limitations for the designated area.

Designated Area	Yarding Requirements or Limitations
<u>TRACTOR / MECHANICAL HARVESTER UNIT</u>	Whole tree yarding or yarding with tops attached to the last log is required in tractor logging operations. Delivered log length not to exceed forty-one (41) feet.
Unit 1 Progeny Unit	<p>Whole tree yarding is not required when mechanical harvester is used.</p> <p>Directional falling to lead and away from streams is required.</p> <p>Yarding tractor width will not be greater than nine (9) feet track width and will be equipped with an integral arch. Skid roads will not exceed a width of twelve (12) feet on average per unit.</p> <p>Existing Skid roads will be used when possible. New skid roads must be located on ground less than thirty-five (35) percent slope, be located outside the Riparian Reserve whenever possible and shall be approved by the Authorized Officer. New skid roads in Unit 1 will be placed at least one hundred fifty (150) feet apart where topography will allow. All new skid roads will be pre-designated and approved by the Authorized Officer.</p> <p>Landing size shall not exceed one-quarter (1/4) acre. Landings shall not be located directly above draws, be designed with adequate drainage and shall be approved by</p>

Designated Area	Yarding Requirements or Limitations
	<p>the Authorized Officer.</p> <p>The use of blades while tractor yarding will not be permitted; equipment shall walk over as much ground litter as possible.</p>

- (6) L-18 No ground-based yarding, or skid road ripping, shall be conducted in Units between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (7) L-18 No hauling in the Contract Area shall be conducted between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If the Authorized Officer determines that hauling would not result in road damage or the transport of sediment to nearby stream channels based on soil moisture conditions or rain events, Contracting Officer may approve a conditional waiver for hauling. If soil moisture conditions or rain events are anticipated to cause impacts to roads or stream water quality resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (8) L-23 Prior to the commencement of operations, the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract which shall include measures needed to assure protection of the environment and watershed. A pre-work conference between the Purchaser's authorized representative and the Authorized Officer's representative must be held at a location designated by the Authorized Officer before the logging plan will be approved. All logging shall be done in accordance with the plan developed by this provision.
- (9) L-25 Before cutting and removing any trees necessary to facilitate logging in the harvest units shown on Exhibit A, the Purchaser shall identify the location of the

skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, and intermediate support trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding the following conditions must be met:

- (a) All skid roads and/or cable yarding roads upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees; however, unless otherwise approved in writing by the Authorized Officer, the width of each skid road shall be limited to ten (10) feet, and cable yarding corridors shall be limited to twelve (12) feet.
- (b) The Purchaser may immediately cut and remove additional timber to clear skid roads and cable yarding roads; and provide tailhold, tieback, guyline, lift and intermediate support trees; and clear danger trees when the trees have been marked with a color of paint to be determined at the Prework conference, by the Authorized Officer, above and below stump height and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber to be sold will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures. No timber may be cut or removed under terms of this provision unless sufficient installment payments have been made in accordance with Section 3.(b). of the contract or sufficient bonding has been provided in accordance with Section 3.(d). of the contract.
- (c) The Purchaser agrees that sale of this additional timber shall be accomplished by a unilateral modification of the contract executed by the Contracting Officer and that such timber shall be sold at the unit prices shown in Exhibit B of this contract unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Sec. 9 of the contract.
- (d) This authorization for the Purchaser to cut and remove additional timber prior to the execution of a modification may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser has cut and removed any tree not previously marked and approved for cutting by the Authorized Officer, which under Section 10 of the contract constitutes a violation of the contract and under Section 13 of

the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.

- (e) If authorization is withdrawn, the Contracting Officer shall issue a written notice to the Purchaser that the sale of additional timber under this special provision is no longer approved. In this case, the Purchaser shall inform the Authorized Officer at least one (1) working day prior to the need for cutting and removing any additional timber, and execute a bilateral modification prior to cutting for such additional approved timber at the unit prices shown in Exhibit B of the contract or in accordance with Sec. 8 or Sec. 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Contracting Officer may issue a written order to the Purchaser to suspend, delay, or interrupt any or all contract work for the period of time deemed necessary and appropriate for the Government to safely measure and mark additional timber.

(C) Road Construction – Maintenance - Use

- (1) RC-1a: The Purchaser shall construct, improve, and/or renovate all roads and other structures in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.
- (2) RC-1b: Any required construction, improvement, or renovation of structures and roads shall be completed and accepted prior to the removal of any timber, except right-of-way timber, over that road.
- (3) RC-1d: The Purchaser shall not commence work on road construction, improvements, or renovations until receipt of written notice to do so from the Authorized Officer. Work shall be commenced no later than 5 days after such notice, and shall be completed within 1 year after such notice.
- (4) RC-2a: The Purchaser is authorized to use the roads listed below and shown on Exhibit C-2 and Exhibit C-3 which are under the jurisdiction of the Bureau of Land Management, for the removal of Government timber sold under the terms of this contract, provided that the Purchaser comply with the conditions set forth in Section 41(C)(7) and pay the required rockwear obligation described in Section 41(C)(6). The Purchaser shall pay current Bureau of Land Management Rockwear fees for the sale of additional timber under modification of the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
34-07-02.00A	0.58	BLM	ASC
34-07-03.00A1	1.21	BLM	ASC

34-07-03.00A2	0.84	BLM	ASC
34-07-03.01A	1.59	BLM	ASC
34-07-04.05	0.72	BLM	NAT

- (5) RC-2f: The Authorized Officer may at any time, by written notice, terminate the Purchaser's operator road maintenance obligations and require instead payment of current Bureau of Land Management road maintenance fees for the particular surface type of the road(s) involved. These fees will be applied to the remaining contract volume on the sale area to be transported over road or roads listed in Section 41(C)(4). The Purchaser shall pay the total maintenance amount for said road(s) within thirty (30) days following receipt of written notice; provided, however, that if the total amount exceeds five hundred dollars (\$500.00), the Purchaser may elect to make payment in installments in the same manner as and together with payments required in Section 3 of this contract.
- (6) RC-2g: The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of **Six Hundred Sixty Nine and 33/100 Dollars (\$669.33)** for the transportation of timber included in the contract price and for transportation of any mineral material required under terms of the contract over road or roads listed in Section 41(C)(4). The amount of the rock wear shown above shall be paid prior to removal of timber from the contract area; provided, however, that if the total of such amounts exceeds five hundred and no/100 dollars (\$500.00), the Purchaser may elect to make the payment in installments in the same manner as and together with payments required in Section 3 of this contract.
- (7) RC-2h: The Purchaser shall perform any required road repair and maintenance work on roads used by them, under the terms of Exhibit D, "Road Maintenance Specifications," of this contract, which is attached hereto and made a part hereof.
- (8) RC-8: The Purchaser shall be required to secure written approval to use vehicles or haul equipment over Government owned or controlled roads and/or structures when that vehicle or equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit.

Details of such equipment shall be furnished to the Authorized Officer for evaluation of load characteristics, at least fifteen (15) days prior to proposed move-in.

Details shall include:

- (a) Axle weights when fully loaded.

- (b) Axle spacing.
- (c) Transverse wheel spacing.
- (d) Tire size.
- (e) Outside width of vehicle.
- (f) Operating speed.
- (g) Frequency of use.
- (h) Special features (e.g., running tracks, overhang loads, etc.)

The Purchaser shall be responsible for repair of any damage to roads or structures caused by the use of overweight or over-dimension vehicles (1) without written approval, (2) in violation of the conditions of a written approval, or (3) in a negligent manner. The amount of actual damage shall be determined by the Authorized Officer following a technical inspection and evaluation.

(D) Environmental Protection

- (1) E-1 In addition to the requirement set forth in Section 25 of this contract, the Purchaser shall implement the following noxious weed control measures:
  - (a) In order to prevent the potential spread of noxious weeds into the Medford District BLM, the operator would be required to clean all logging, construction, chipping, grinding, shredding, rock crushing, and transportation equipment prior to entry on BLM lands.
  - (b) Cleaning shall be defined as removal of dirt, grease, plant parts, and material that may carry noxious weed seeds into BLM lands. Cleaning prior to entry onto BLM lands may be accomplished by using a pressure hose.
  - (c) Only equipment inspected by the BLM would be allowed to operate within the Analysis Area. All subsequent move-ins of equipment as described above shall be treated the same as the initial move-in.
  - (d) Prior to initial move-in of any equipment, and all subsequent move-ins, the operator shall make the equipment available for BLM inspection at an agreed upon location off Federal lands.
  - (e) Equipment would be visually inspected by the Authorized Officer to verify that the equipment has been reasonably cleaned.
- (2) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall prepare a Spill Prevention, Control, and Countermeasure Plan for

all hazardous substances to be used in the contract area, as directed by the Authorized Officer. Such plan shall include identification of Purchaser's representatives responsible for supervising initial containment action for releases and subsequent cleanup. Such plans must comply with the State of Oregon DEQ OAR 340-142, Oil and Hazardous Materials Emergency Response Requirements.

- (3) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall not refuel equipment, store, or cause to have stored, any fuel or other petroleum products within 150ft of streams or wet areas. All Petroleum products shall be stored in durable containers and located so that any accidental releases will be contained and not drain into any stream system. Hydraulic fluid and fuel lines on heavy mechanized equipment would be in proper working condition in order to minimize potential for leakage into streams. Use of fire suppression foam within 150ft of streams is prohibited.
- (4) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall suspend any activities that have a potential to cause sediment to enter wetlands, floodplains or streams. Operations call resume when measures to mitigate this have been taken.
- (5) E-1 In addition to the requirement set forth in Sec. 25 of this contract, the Purchaser shall, prior to October 15 of the same operating season, winterize and rehabilitate landings, skid trails, and other areas of exposed soils in the units by properly installing and/or using water bars, berms, sediment basins, silt fencing, gravel pads, hay bales, small dense woody debris, seeding and/or mulching (with native species, certified weed free), to reduce sediment runoff. Skid trails in unit 1 will also be will be scarified as directed by the authorized officer.
- (6) E-2 The water bars to be constructed as required by Sec. 25(c) shall be constructed in accordance with the specifications shown on Exhibit W, which is attached hereto and made a part hereof.
- (7) E-3 If, in connection with operations under this contract, the Purchaser, their contractors, subcontractors, or the employees of any of them, discovers, encounters, or becomes aware of any objects or sites of cultural value on the contract area such as historical or pre-historical ruins, graves or grave markers, fossils, or artifacts, the Purchaser shall immediately suspend all operations in the vicinity of the cultural value and shall notify the Authorized Officer of the findings. Operations may resume at the discovery site upon receipt of written instructions and authorization by the Authorized Officer.
- (8) E-4 The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:

- (a) threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is made that consultation or re-initiation of consultation is required concerning the species prior to continuing operation, or;
- (b) when, in order to comply with the Endangered Species Act, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (c) federal proposed, federal candidate, Bureau sensitive or State listed species protected under BLM Manual 6840 - Special Status Species Management - have been identified, and a determination is made that continued operations would affect the species or its habitat, or;
- (d) other active raptor nests have been discovered, and a determination is made that continued operations under this contract would adversely affect the present use of the discovered nesting area by the raptor, or;
- (e) when, in order to comply with a court order which enjoins operations on the sale or otherwise requires the Bureau of Land Management to suspend operations, or;
- (f) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (g) species have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or;
- (h) when, in order to protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

Those operations necessary for a safe removal of personnel and equipment from the contract area and those directed by the Contracting Officer which are required in order to leave the contract area in an acceptable condition will be permitted. Discontinued operations may be resumed upon receipt of written instructions and authorization by the Contracting Officer.



During any period of suspension, the Purchaser may withdraw performance and payment bond coverage aside from that deemed necessary by the Authorized Officer to secure cut and/or removed timber for which the Bureau of Land Management has not received payment, and/or unfulfilled contract requirements associated with harvest operations that have already occurred and associated post-harvest requirements.

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the First Installment held on deposit may be temporarily reduced upon the written request of the Purchaser. For the period of suspension extending beyond 30 days, the First Installment on deposit may be reduced to five (5) percent of the First Installment amount listed in Section 3.a. of the contract. Any First Installment amount temporarily reduced may be refunded or transferred to another BLM contract at the request of the Purchaser. However, if the Purchaser has outstanding debt owing the United States, the Contracting Officer must first apply the amount of First Installment that could be refunded to the debt owed in accordance with the Debt Collection Improvement Act, as amended (31 USC 3710, *et seq.*). Upon Purchaser's receipt of a bill for collection and written notice from the Contracting Officer lifting the suspension, the Purchaser shall restore the First Installment to the full amount shown in Section 3.a. of the contract within 15 days after the bill for collection is issued, subject to Section 3.g. of the contract. The Purchaser shall not resume contract operations until the First Installment amount is fully restored.

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the unamortized Out-of-Pocket Expenses for road or other construction required pursuant to Exhibit C of the contract shall be refunded or transferred to another BLM contract at the request of the Purchaser. Upon written notice from the Contracting Officer lifting the suspension, the Purchaser shall reimburse the Government the amounts refunded or transferred. The Purchaser may choose to pay this reimbursement at once or in installments payable at the same time as payments are due for the timber under the contract and in amounts approximately equal to the expenses associated with the timber for which payment is due.

In the event that operating time is lost as a result of the incorporation of additional contract requirements, or delays due to Endangered Species Act consultation with the U.S. Fish and Wildlife Service or U.S. National Marine Fisheries Service, or court-ordered injunctions, the Purchaser agrees that an extension of time, without reappraisal, will constitute a full and complete remedy for any claim that delays due to the suspension hindered performance of the contract or resulted in damages of any kind to the Purchaser.

The Contracting Officer may determine that it is necessary to terminate the cutting and removal rights under the contract in order to comply with the Endangered Species Act, protect species that have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, or comply with a court order. Following the issuance of a written notice that cutting and removal rights will be terminated, the Purchaser will be permitted to remove timber cut under the contract, if allowed by the Endangered Species Act, survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, or court order requirements necessitating the modification or termination.

In the event cutting and removal rights are terminated under this subsection, the Purchaser agrees that the liability of the United States shall be limited to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area. This calculation of liability shall utilize actual Purchaser costs and Government estimates of timber volumes. At the Authorized Officer's request, the Purchaser agrees to provide documentation of the actual costs incurred in the performance of the contract. In addition, the Purchaser shall be released from the obligation to pay the contract price for any timber which is not authorized to be removed from the contract area.

The Purchaser specifically and expressly waives any right to claim damages, other than those described in the preceding paragraphs, based on an alleged breach of any duty to the Purchaser, whether express or implied, in regard to the manner in which the Government defended the litigation which resulted in the court order affecting the operation of the contract. This waiver also extends to any claims based on effects on the operation of the contract that arise from litigation against another agency. Furthermore, the Purchaser specifically acknowledges and agrees that a court ruling that the Government violated the Administrative Procedures Act cannot be interpreted, in itself, to mean that the Government had not acted reasonably in regard to its duties to the Purchaser under this contract.

(E) Fire Prevention and Control

- (1) F-1a Fire Prevention and Control. Primarily for purposes of fire prevention and control, the Purchaser shall comply with the following provisions:
  - (a) Prior to the operation of power driven equipment in construction or logging operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the State of Oregon, Department of Forestry.

(b) Provide and maintain in good repair, on the contract area, the following equipment for use during closed fire season or periods of fire danger:

- i. F-2a Fire fighting tools shall be kept at each landing or at such other place as the Authorized Officer shall designate whenever people are working on the contract area. All fire fighting tools shall be kept in a sturdily constructed box which shall be painted red and lettered on the front or top in large letters, "For Fire Only."

The box shall have a hinged lid and a hasp by which the lid can be sealed. One box may serve two landings not over six hundred (600) feet apart. When filled, the box shall not weigh over two hundred (200) pounds. The fire tools shall be in good condition, be tight on strong handles, and have sharp cutting edges. There shall not be less than four (4) tools in each box nor less than one (1) tool for each person working on the contract area. Three-fourths ( $\frac{3}{4}$ ) of all fire tools shall be shovels, hazel hoes, or other scraping tools. The fire tools shall be used only for fighting fire.

- ii. F-2b A round pointed size "0" or larger shovel in good condition shall be within fifty (50) feet of any power saw when in operation.

- iii. F-2c At each landing during periods of operation one (1) tank truck. Each truck shall have three hundred (300) gallons minimum capacity with five hundred (500) feet minimum of hose and a nozzle acceptable to the Authorized Officer and a mounted or portable pump conforming to the standards set forth in Oregon Revised Statute ORS 477.645 through ORS 477.670 and any rule promulgated pursuant to those statutes. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.410 as amended or be provided with suitable adapters. At the close of each working day, all bulldozers and tank trucks shall be filled with fuel and made ready for immediate use. All tank trucks and portable tanks shall be filled with water and made available for immediate use.

- iv. F-2d Serviceable radio or radio-telephone equipment able to provide prompt and reliable communication between the contract area, the Medford BLM District Office, Douglas Forest Protection Agency, and Oregon Department of Forestry. Such communication shall be available during periods of operation including the time watch-service is required.

- v. F-2e A pair of headlights capable of being quickly attached to each bulldozer used on the contract area. The headlights shall be adequate to provide illumination sufficient to allow use of the bulldozers for fire fighting and construction of fire trails at night.
- vi. F-2f A headlight for each person in the woods crew adequate to provide sufficient illumination for night fire fighting. A headlight shall be of the type that can be fastened to the head so as to allow independent use of the hands. It shall be equipped with a battery case so designed that it can be either carried in the hip pocket or fastened to the belt. The head of the light and the battery case shall be connected by insulated wires. At least one extra set of batteries shall be provided for each such headlight.
- vii. F-2g Two (2) back-pack pumps at each landing and one (1) at each tail block, all to be kept full of water and in good operating condition.
- viii. F-2h A chemical fire extinguisher of at least eight (8) ounces minimum capacity of a type approved by the Oregon State Forester shall be carried during the closed fire season or periods of fire danger by each saw operator using a power saw on the contract area. Such fire extinguisher shall be filled and in effective operating condition and shall at all times be immediately available to the operator when the saw is being fueled or the motor of the saw is running. A size "0" or larger shovel shall be available with each gas can when refueling. Any fueling of a power saw shall be done in an area which has first been cleared of all flammable material. Power saws shall be moved at least twenty (20) feet from the place of fueling before the engine is started. Each power saw shall be equipped with an exhaust system and a spark arresting device which are of types approved by the Oregon State Forester.
- ix. F-5 Where blocks and cables are used on the contract area during periods of fire danger, the Purchaser shall remove all flammable material at least ten (10) feet from the place where the tail or any other block will hang when the cable is tight. Such clearings shall be inspected periodically by the Purchaser and shall be kept free of flammable material.

(F) Slash Disposal and Site Preparation

- (1) SD-1 Fire Hazard Reduction. In addition to the requirements of Sec. 15 of this contract, and notwithstanding the Purchaser's satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following hazard reduction measure(s) required by this contract:
- (a) SD-1a LOP AND SCATTER Lop and scatter all slash in units as designated by the authorized officer, concurrently with normal felling operations. All top and side branches must be free of the central stem so that such slash is reduced to the extent that it is less than 8 feet long and within 18 inches of the ground at all points.
- (b) SD-1c HAND PILING Hand pile all slash situated along roadways in units as designated by the authorized officer in accordance with the following specifications:
- i. Piling shall be accomplished by hand. Finished piles shall be tight and free of earth.
  - ii. Pile all slash which is between one (1) inch and six (6) inches in diameter on the large end and exceeds three (3) feet in length.
  - iii. Pile all slash located in unit 1 that is within fifty (50) feet of the 34-7-3.1 and 34-7-4.5 roads.
  - vi. Piles shall be placed within unit boundaries, however, outside of roadways, turnouts, shoulders, or the cut bank. Finished piles shall be tight and free of earth.
  - vii. A five (5) foot by five (5) foot cover of 4 mm black plastic shall cap each handpile to maintain a dry ignition point. The cover shall be firmly fixed to the pile to hold it in place. The ignition point will consist of fine fuel material such as needles, small limbs, and branches less than one half (1/2) inch in diameter and free of dirt. Piles shall be constructed by aligning individual pieces in the same direction and placing the heavier slash on top. Piles shall have a stable base to prevent toppling. The long axis of individual pieces shall be oriented up and down the slope. Protruding pieces shall be trimmed to allow covering in a manner that permits the pile to shed water. Height shall be no less than five (5) feet and no greater than eight (8) feet; width shall not exceed eight (8) feet; piles shall be

circular and not windrowed. No pile shall be located in any stream channel; on down logs or stumps; within ten (10) feet of any other pile or the trunk of the nearest living reserve tree. No portion of the pile will be under the crown of any living tree.

- (c) SD-1d Operations required by this provision shall be kept current with yarding as directed by the Authorized Officer and shall be conducted as follows:

i. Units shall be piled and covered during the same season that they are logged.

- (d) SD-1e LANDING SLASH Pile all slash situated in harvest unit landings and within twenty (20) feet of each finished pile. Slash shall be piled by machine or hand and piles shall be located in tractor skid trails or on landings located away from reserve trees, snags, and coarse woody debris. Finished piles shall be tight and free of earth.

i. A ten (10) foot by ten (10) foot cover of 4 mm black plastic shall cap each pile to maintain a dry ignition point. The cover shall be firmly fixed to each pile to hold it in place.

- (2) SD-5 Perform logging residue reduction and site preparation work on approximately 58 acres of harvest area located in Cutting Units 1 and Progeny as shown on Exhibit A.

- (a) The required work shall consist of any treatment or combination of treatments listed in the table below, as determined by the Authorized Officer and specified in writing by the Contracting Officer. The number of acres of each treatment shall be determined by the Authorized Officer.

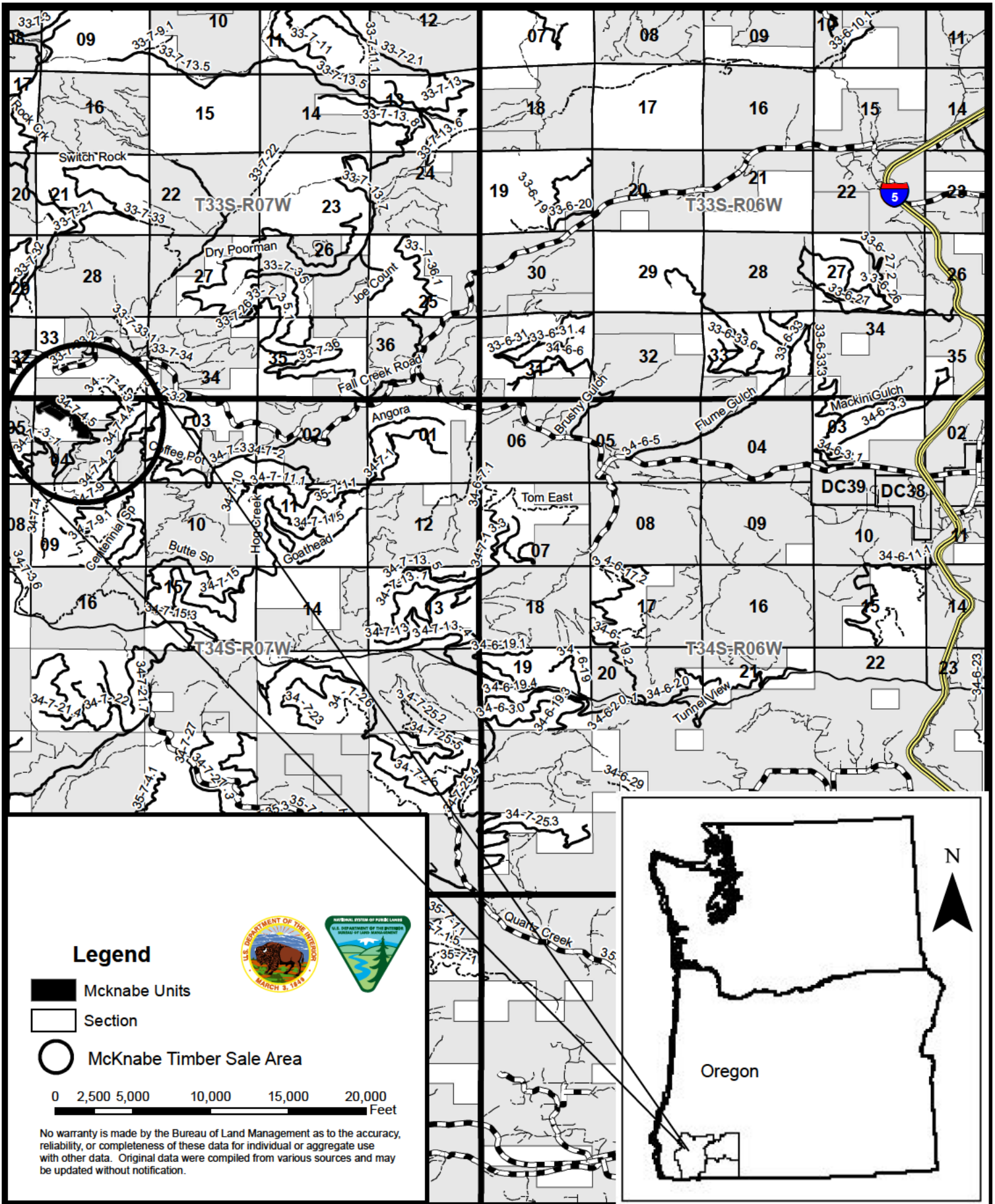
Treatment	Cost/Acre
Lop & Scatter L1 < 10 tons/ac	\$30.00
Hand Pile and Cover-L1 0 – 40 piles/ac	\$280.00
Hand Pile and Cover-L2 41 – 60 piles/ac	\$365.00
Cover Landing Decks < 40 piles / ac	\$35.00

- (b) The following treatments were assumed for appraisal purposes on this contract:

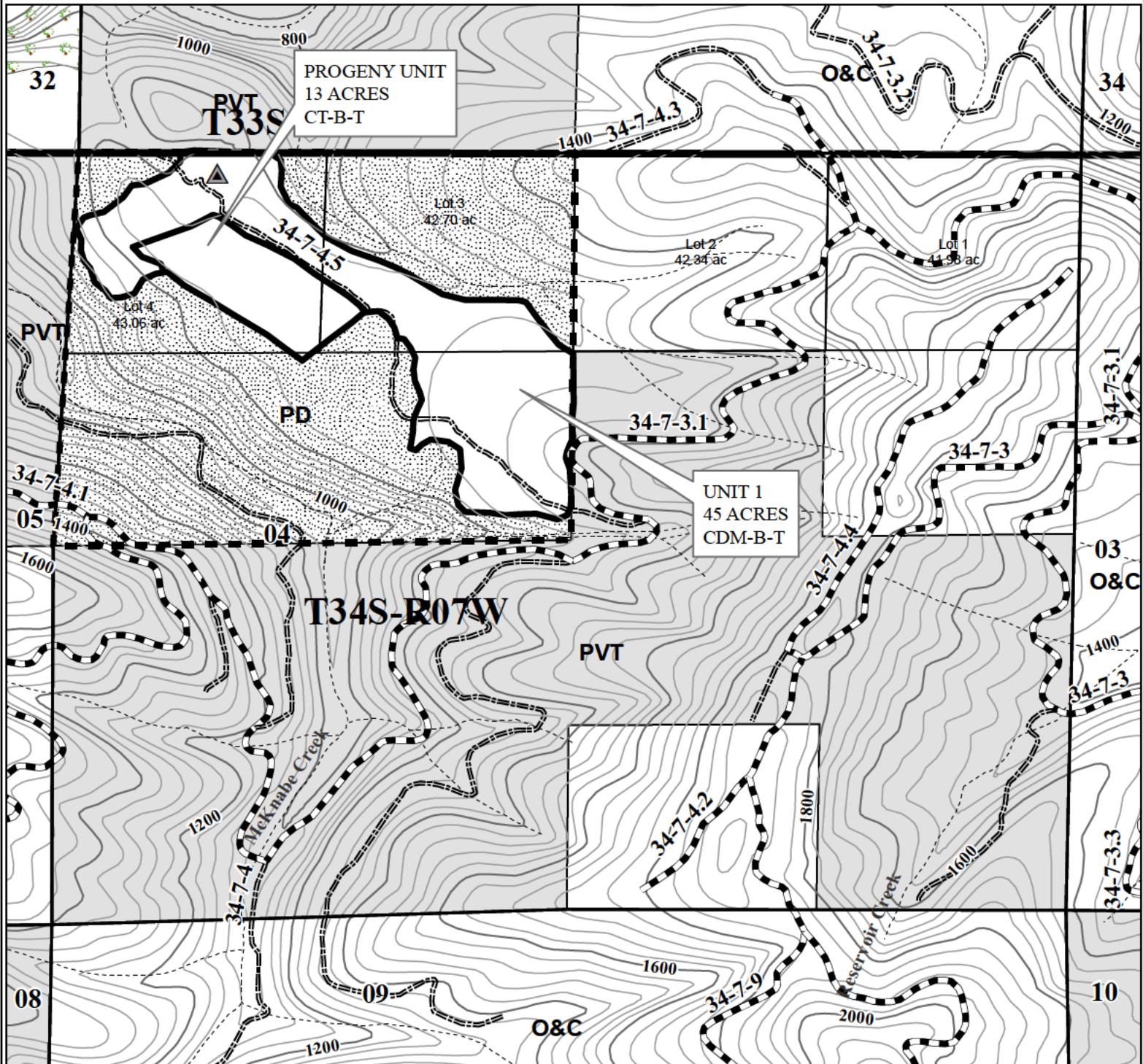
Appraised Treatment	Acres	Cost/Acre	Total Cost Per Treatment
Lop & Scatter L1 < 10 tons/ac	15	\$30.00	\$450.00
Hand Pile and Cover-L1 0 – 40 piles/ac	5	\$280.00	\$1400.00
Cover Landing Decks	11	\$35.00	\$385.00
Total Appraised Cost			\$2,235.00

- (c) The Total Purchase Price set forth in Section 2 shall be adjusted by the amount that the total cost of the site preparation treatments designated pursuant to Section 41(G)(2) SD-5a differs from \$2,235.00, as calculated by using the estimated acres determined by the Authorized Officer and the per acre costs listed in Section 41(G)(2) SD-5a.
- (G) Equal Opportunity in Employment Certification of Non-segregated Facilities attached hereto and made a part hereof.

## SALE LOCATION MAP







0 500 1,000 2,000 Feet  
1 inch = 1,000 feet

40 FOOT CONTOUR INTERVAL

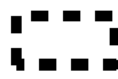



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.




United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
Medford, OR 97504  
(541) 618-2200


LEGEND


 Contract Area Boundary

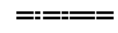
 Reserve Area


 McKnabe Timber Sale Units


Roads Surface Type


 Paved


 Rocked


 Natural Surface


 Stream

 Intermediate 40-ft contour

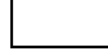
 Index 200-ft contour


 TPCC Withdrawn Land

 Section

 Township\_Range

Ownership

 BLM




 Non-Federal

**O&C** BLM O&C Land

**PVT** Non BLM Land

**PD** BLM Public Domain Land

SUMMARY

CDM-B-T	COMMERCIAL DENSITY MANAGEMENT- BLUE MARK TAKE TREE- TRACTOR (UNIT 1)	45 ACRES
CT-B-T	COMMERCIAL THIN - BLUE MARK TAKE TREE- TRACTOR YARD (PROGENY UNIT)	13 ACRES
	TOTAL TIMBER SALE UNIT AREA	58 ACRES
	RESERVE AREA	108 ACRES
	TOTAL CONTRACT AREA	166 ACRES

## LEGEND

<b>Unit</b>	<b>Acres</b>	<b>Harvest Type</b>	<b>Logging System</b>	<b>Paint Color</b>
1	45	CDM	T	B
Progeny	13	CT	T	B
<b>Totals</b>	<b>58</b>			

\*ALL ACRES COMPUTED BY GPS TRAVERSE

\*BOUNDARIES OF HARVEST UNITS ARE  
POSTED AND PAINTED IN ORANGE

CDM = COMMERCIAL DENSITY MANAGEMENT

CT = COMMERCIAL THIN

T = TRACTOR

B = BLUE PAINT



**United States of America**  
**Department of the Interior**  
**Bureau Of Land Management**  
**Timber Sale Appraisal**

---

**District :** Medford  
**Sale Name :** McKnabe  
**Sale Date :** 06/28/2012  
**Appraisal Method :** 16' MBF

**Contract # :** ORM07-TS-12-15  
**Job File # :** M11282  
**Master Unit :** Josephine  
**Planning Unit :** Grants Pass

---

**Contents**

Exhibit B

2

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Medford  
McKabe  
ORM07-TS-12-15

**Exhibit B**

The following estimates and calculations of timber sold are made solely as an administrative aid for determining: (1) Adjustments made or credits given in accordance with Sections 6, 9, or 11; (2) When payments are due; and (3) Value of timber subject to any special bonding provisions. The value of timber will be determined by multiplying the value per acre as shown below, times the amount of acreage as determined by the authorized officer, which has been cut or removed or designated for taking.

Except provided in Section 2, Purchaser shall be liable for the total purchase price even though the quantity of timber actually cut or removed or designated for taking is less than the estimated volume or quantity shown. Cutting areas are shown on the Exhibit A.

**Sale Totals (16' MBF)**

Species	Net Volume	Bid Price	Sale SubTotal
Douglas-fir	277		
Ponderosa Pine	31		
Sugar Pine	3		
Sale Totals	311		

**Unit Details (16' MB)**

Unit 1                      45 Acres                      Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	214		
Ponderosa Pine	31		
Sugar Pine	3		
Unit Totals	248		

Unit Progeny                      13 Acres                      Value per Acre : \$0.00

Species	Net Volume	Bid Price	Species Value
Douglas-fir	63		
Unit Totals	63		



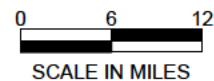
McKNABE TIMBER SALE  
TRACT NO. ORM07-TS-12-15

<b>EXHIBIT NO.</b>	<b>DESCRIPTION</b>		
C1	TITLE SHEET		
C2	ROAD LOCATION MAP		
C3	ESTIMATE OF QUANTITIES		
C4	SPECIFICATION SHEET		
C5	TYPICAL ROAD DATA SHEET		
C6	DRAINAGE & EROSION CONTROL INSTALLATION		
C7	ROADSIDE BRUSHING DETAIL		
C8	ROAD RENOVATION WORKLIST		
C9	WRITTEN SPECIFICATIONS		
C10	SPECIAL PROVISIONS		
D1	ROAD MAINTENANCE SPECIFICATIONS		
D2	ROAD MAINTENANCE MAP		
<b>REV. NO.</b>	<b>DESCRIPTION</b>	<b>DATE</b>	<b>APPROV.</b>

# McKNABE TIMBER SALE TITLE SHEET

DESIGNED: \_\_\_\_\_  
REVIEWED: \_\_\_\_\_  
APPROVED: \_\_\_\_\_

DRAFTED BY: ELF	SCALE: 1" = 12 MI
DATE: JAN 2012	SHEET: 1 OF 1
DRAWING NO.: OR-11-9113.4-1	

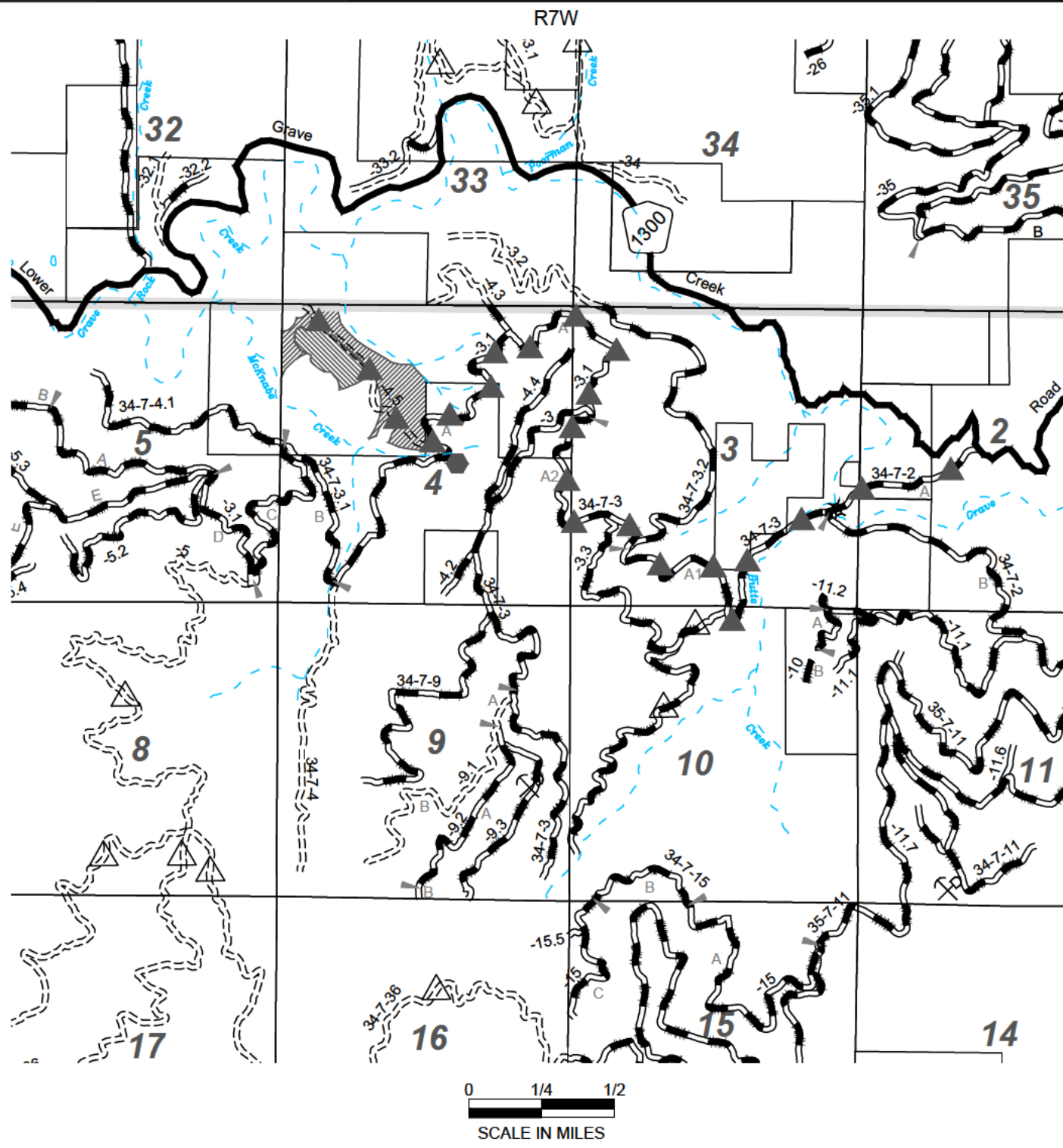


ALWAYS  
THINK  
SAFETY

# EXHIBIT C2

## SHEET 1 OF 1

McKNABE TIMBER SALE  
TRACT NO. ORM07-TS12-15



BLM OWNERSHIP



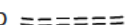
BST ROAD



ROCKED ROAD



NATURAL SURFACE ROAD



ROAD TO BE RENOVATED



TRUCK TURN-AROUND



McKNABE UNIT



ALWAYS  
*THINK*  
SAFETY

REV. NO.	DESCRIPTION	DATE	APPROV
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
McKNABE TIMBER SALE ROAD LOCATION MAP			
DESIGNED: _____			
REVIEWED: _____			
APPROVED: _____			
DRAFTED BY: ELF		SCALE: 1" = 1/2 MI	
DATE: JAN 2012		SHEET: 1 OF 1	
DRAWING NO.: OR-11-9113.4-1			

McKNABE TIMBER SALE  
TRACT NO. ORM07-TS12-15

REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
McKNABE TIMBER SALE ESTIMATE OF QUANTITIES			
DESIGNED: _____			
REVIEWED: _____			
APPROVED: _____			
DRAFTED BY: ELF		SCALE: NONE	
DATE: JAN 2012		SHEET: 1 OF 1	
DRAWING NO.: OR-11-9113.4-1			



**EXHIBIT C4**  
**SHEET 1 OF 2**  
**McKNABE TIMBER SALE**  
**TRACT NO. ORM07-TS12-15**

ROAD NUMBER	FROM	TO	LENGTH	TYPICAL STATION TYPE	ALIGNMENT	ROAD WIDTH <sup>1-3</sup>		GRADIENT		BRUSHING WIDTH				SURFACING <sup>3</sup>								REMARKS		
					MAXIMUM DEGREE OF CURVE	SUBGRADE	DITCH	MAXIMUM FAVORABLE	MAXIMUM ADVERSE	BEYOND		EXISTING ROAD(S)		BASE COURSE				SURFACE COURSE						
										TOP CUT	TOE FILL	L	R	MINIMUM WIDTH	COMPACTION DEPTH	TYPE <sup>2</sup>	GRADING	MINIMUM WIDTH	COMPACTION DEPTH	TYPE <sup>2</sup>	GRADING			
34-07-02.00 A	0.00	0.58	0.58	6		16	3	AS-BUILT	AS-BUILT															
34-07-03.00 A1	0.00	1.21	1.21	6		16	3																	
34-07-03.00 A2	1.21	2.05	0.84	6		16	3																	
34-07-03.01 A	0.00	1.59	1.59	6		16	3																	
34-07-04.05	0.00	0.72	0.72	3		14	0																	

**NOTES**

1. EXTRA SUB-GRADE WIDTHS

TO EACH FILL SHOULDER ADD 1 FOOT FOR FILLS OF 1-6 FEET AND 2 FEET FOR FILLS OVER 6 FEET. WIDEN THE INSIDE SHOULDER OF ALL CURVES AS FOLLOWS: WHEN THE DEGREE OF CURVE EQUALS:

7-21 ADD 1 FT.  
22-35 ADD 2 FT.  
36-48 ADD 3 FT.  
49-64 ADD 4 FT.  
65-96 ADD 5 FT.

<u>MATERIALS</u>	<u>CUT SLOPE</u>	<u>FILL SLOPE</u>
COMMON	1/2 : 1	1 1/2 : 1
SOFT ROCK & SHALE	1/2 : 1	1 1/2 : 1
SOLID ROCK	1/2 : 1	angle of repose

2. SURFACING TYPES

- A. PIT RUN ROCK
- B. GRID ROLLED ROCK MATERIAL
- C. SCREENED ROCK MATERIAL
- D. CRUSHED ROCK MATERIAL

3. TURNOUTS

- A. WIDTH 10 FT. IN ADDITION TO SUB-GRADE WIDTH, OR AS SHOWN ON THE PLANS.
- B. LOCATED APPROXIMATELY, AS SHOWN ON THE ROAD PLANS.
- C. INVISIBLE AND NOT MORE THAN 750 FT. APART.

4. SURFACING

TURNOUTS, CURVE WIDENING, AND ROAD APPROACH APRONS SHALL BE SURFACED.

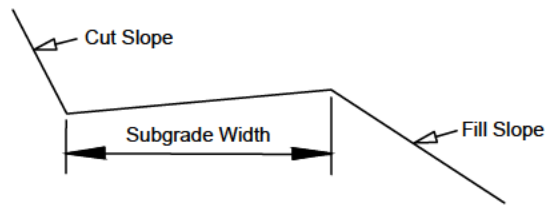
5. CLEARING WIDTH

SEE SUBSECTION 2100

*ALWAYS  
**THINK**  
SAFETY*

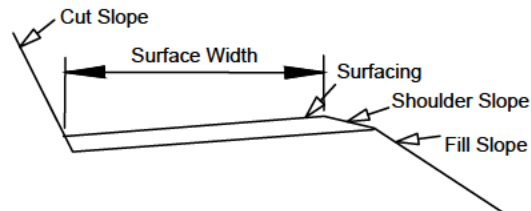
REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
<b>McKNABE TIMBER SALE  SPECIFICATION SHEET</b>			
DESIGNED: _____			
REVIEWED: _____			
APPROVED: _____			
DRAFTED BY: ELF		SCALE: NONE	
DATE: JAN 2012		SHEET: 1 OF 2	
DRAWING NO.: OR-11-9113.4-1			

**EXHIBIT C4**  
**SHEET 2 OF 2**  
**McNABE TIMBER SALE**  
**TRACT NO. ORM07-TS12-15**



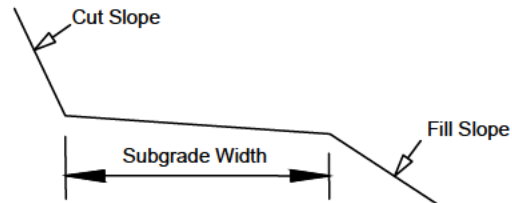
TYPICAL GRADING SECTION

**TYPE 1**



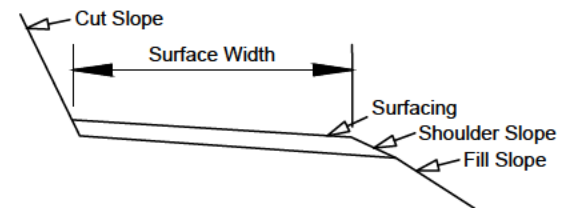
TYPICAL SURFACING SECTION

**TYPE 2**



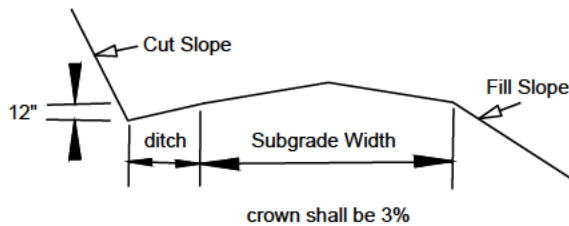
TYPICAL GRADING SECTION

**TYPE 3**



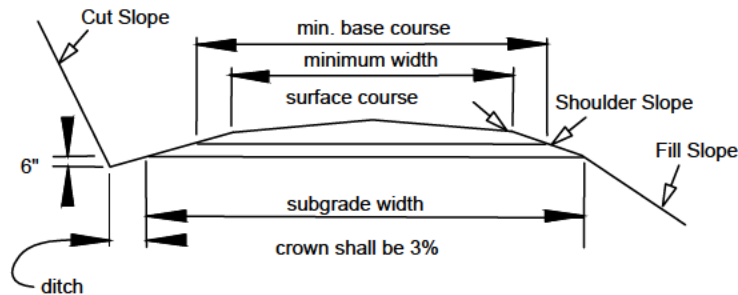
TYPICAL SURFACING SECTION

**TYPE 4**



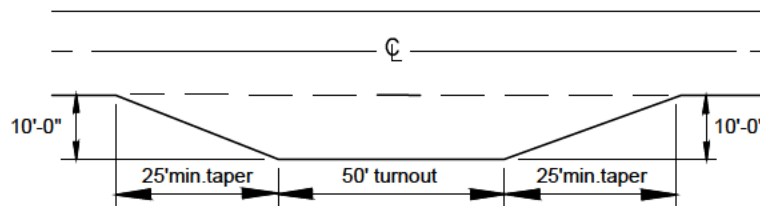
TYPICAL GRADING SECTION

**TYPE 5**



TYPICAL SURFACING SECTION

**TYPE 6**



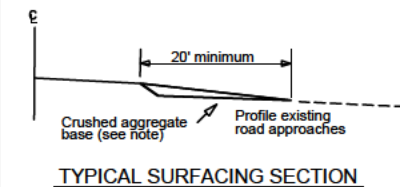
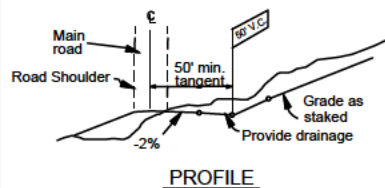
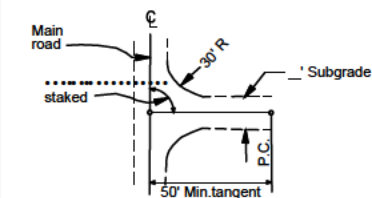
TYPICAL TURNOUT

**PLAN VIEW**

**ALWAYS  
 THINK  
 SAFETY**

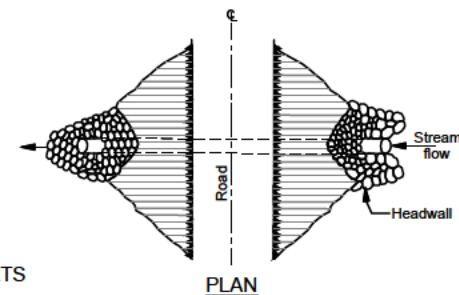
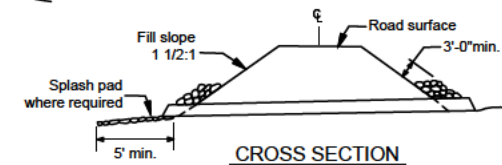
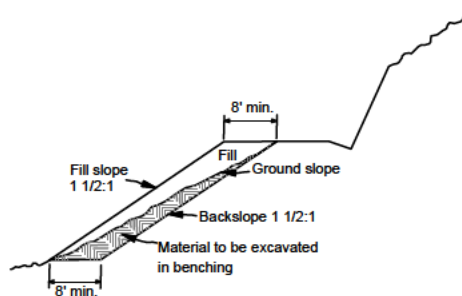
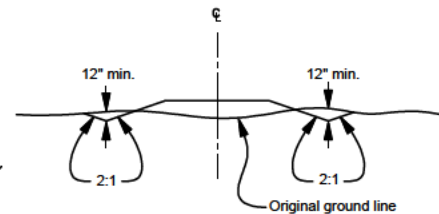
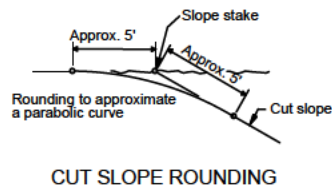
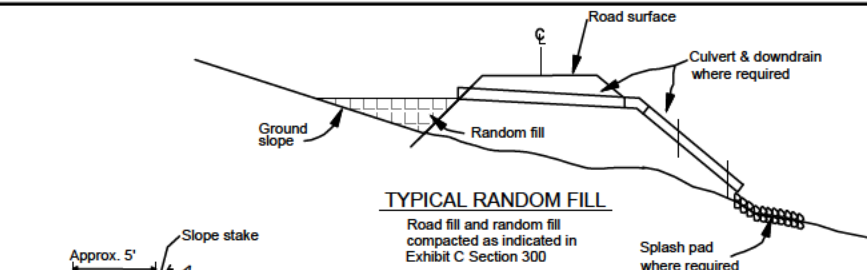
REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
<b>McNABE TIMBER SALE SPECIFICATION SHEET</b>			
DESIGNED: _____			
REVIEWED: _____			
APPROVED: _____			
DRAFTED BY: ELF		SCALE: NONE	
DATE: JAN 2012		SHEET: 2 OF 2	
DRAWING NO.: OR-11-9113.4-1			

## TYPICAL ROAD APPROACHES



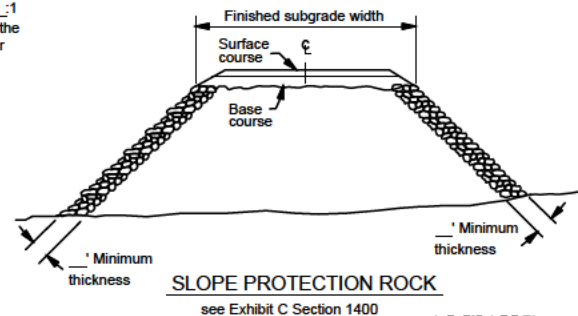
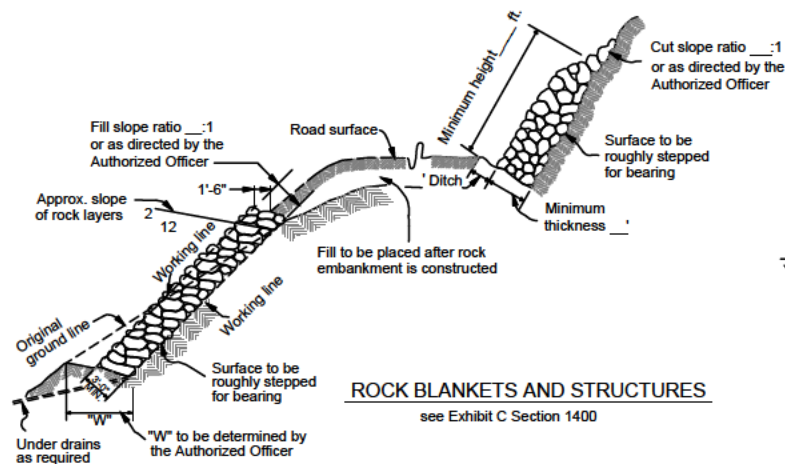
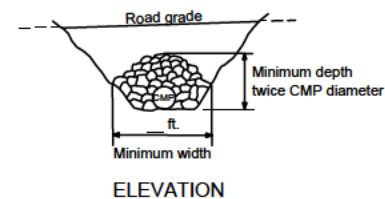
### NOTES:

1. The profile of the existing approach roads shall be tapered to meet the shoulder line of the main roadway and shall receive the same wearing surface.
2. The crushed aggregate base shall be of the same gradation as used in the adjacent roadbed.
3. Approaches shall be finished with the same treatment as shown for the adjacent roadbed.



### NOTES: RIPRAP AT CULVERTS

1. Riprap shall be placed in such a manner that it will not damage the culvert.
2. Trenching will be done as required by the Authorized Officer.
3. Minimum depth of splash pads shall be 1FT.
4. Minimum quantity shall be 1CY per culvert.
5. Riprap shall be placed before October 1st of the year the culvert is installed.



ALWAYS  
THINK  
SAFETY

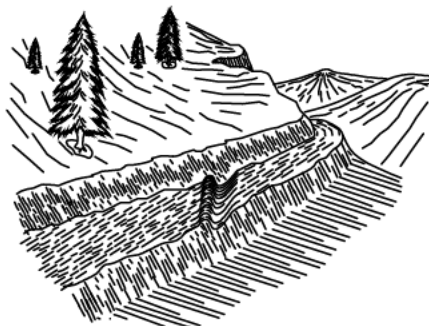
## EXHIBIT C5 SHEET 1 OF 1 McKNABE TIMBER SALE TRACT NO. ORM07-TS12-15

REV. NO.	DESCRIPTION	DATE	APPROV
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
McKNABE TIMBER SALE TYPICAL ROAD DATA			
DESIGNED: _____			
REVIEWED: _____			
APPROVED: _____			
DRAFTED BY: ELF		SCALE: NONE	
DATE: JAN 2012		SHEET: 1 OF 1	
DRAWING NO.: OR-11-9113.4-4			

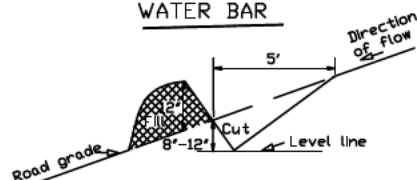
# EXHIBIT C6

SHEET 1 OF 1

McKNABE TIMBER SALE  
TRACT NO. ORM07-TS12-15



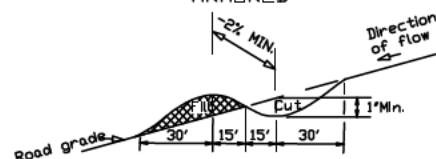
WATER BAR



1. WATER BARS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER BARS SHALL BE SKEWED 30 DEGREES.
4. UPON COMPLETION OF SKIDDING LOGS, FOR THE LOGGING SEASON, EACH SKID ROAD WILL HAVE CROSS DRAINAGE CONSTRUCTED AS SHOWN ABOVE.



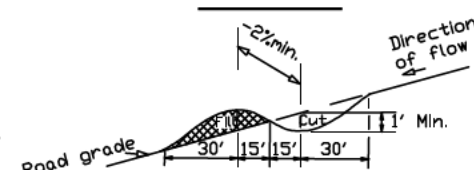
WATER DIP \*\*  
ARMORED



1. WATER DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER DIPS SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE VEHICLES.
5. PLACE, SPREAD, AND COMPACT 20 C.Y. SURFACING MATERIAL IN DIP AREA TO MATCH ROAD SURFACING FOR FULL WIDTH OF ROAD.
6. ROCK OUTLET OF WATER DIP ON FILL SLOPE. ROCK WILL BE PLACED FROM OUTLET TO NATURAL GROUND (ESTIMATED 5 CU.YDS) OF CLASS 3 RIP RAP ROCK.

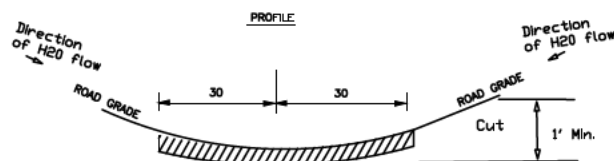


WATER DIP \*\*



1. WATER DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER DIPS SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE VEHICLES.
5. PLACE, SPREAD AND COMPACT 20 CU. YDS. SURFACING MATERIAL IN DIP AREA TO MATCH ROAD SURFACING FOR FULL WIDTH OF ROAD.

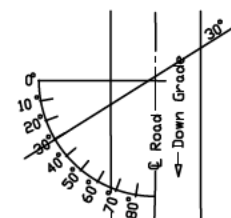
SAG DIP \*\*



1. SAG DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL SAG DIPS SHALL BE SKEWED @ 0 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE VEHICLES.
5. BOTTOM OF SAG DIP SHALL HAVE A 2% MINIMUM OUTSLOPE.
6. PLACE, SPREAD AND COMPACT 20 CU. YDS. SURFACING MATERIAL IN DIP AREA TO MATCH ROAD SURFACING FOR FULL WIDTH OF ROAD.
7. WHERE SPECIFIED, OUTLET OF SAG DIP ON FILL SLOPES SHALL BE ARMORED WITH CLASS 3 RIP RAP ROCK. ROCK WILL BE PLACED FROM OUTLET TO NATURAL GROUND. (ESTIMATED 5 CU.YDS).

\*\* Conserve surfacing prior to construction of waterdip. Replace surfacing after construction. Add additional 20 C.Y. surfacing and compact as shown in Sec 1212.

SKREW DIAGRAM



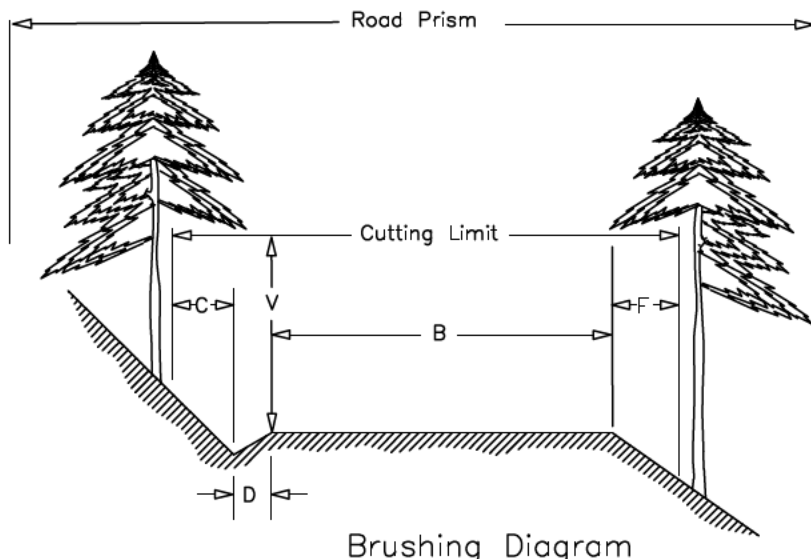
ALWAYS  
THINK  
SAFETY

REV.	NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON				
<b>DRAINAGE &amp; EROSION CONTROL INSTALLATION</b>				
DESIGNED _____				
REVIEWED _____				
APPROVED _____				
DRAWN	JAB	SCALE	NONE	
DATE	JAN 2012	SHEET	1	OF 1
DRAWING NO.	OR-11-9113.4-9			

# EXHIBIT C7

## SHEET 1 OF 1

McKNABE TIMBER SALE  
TRACT NO. ORM07-TS12-15



$$\text{Cutting Limit} = C + D + B + F$$

B = Road Bed Subgrade (includes turnouts)  
Cut all vegetation to max. height of 1".

C = 4 ft – Distance to be brushed on cut slope  
beyond centerline of ditch. Cut all vegetation to max height of 6".

D = Centerline of ditch to inside shoulder. Cut all vegetation to max. height of 1".

F = Distance to be brushed on fill slope beyond outside shoulder  
Cut all vegetation to max. height of 6".

V = 14 ft – Height of vertical cutting limit

### Typical Basic Traveled Way widths

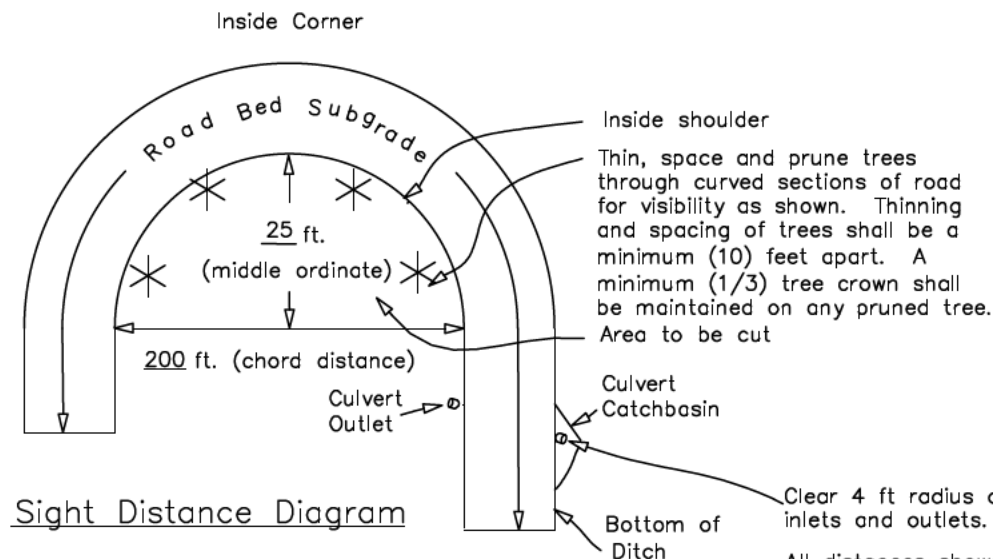
One lane low traffic volume . . . . . 12 to 16 ft

One lane medium traffic volume . . 16 to 20 ft

Two lane high volume traffic . . . . . 20 to 40 ft

Turnouts . . . . . 10 ft

**ALWAYS  
THINK  
SAFETY**



All distances shown are horizontal except for V

REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
McKNABE TIMBER SALE ROADSIDE BRUSHING DETAIL			
DESIGNED: _____			
REVIEWED: _____			
APPROVED: _____			
DRAFTED BY: ELF		SCALE: NONE	
DATE: JAN 2012		SHEET: 1 OF 1	
DRAWING NO.: OR-11-9113.4-4			

## ROAD RENOVATION WORK LIST

### **ROAD 34-07-02.00 Seg A**

<b>MP</b>	<b>TASKS</b>
0.00	Begin road renovation which includes blading, watering, rolling and reshaping road surface, cleaning ditch lines where needed, cleaning culvert catch basins, and clearing culvert inlets and outlets.
0.53-0.57	Bridge at Grave Creek.
0.58	Junction right, 34-07-03.00 Road, End road renovation.

### **ROAD 34-07-03.00 Seg A1-A2**

<b>MP</b>	<b>TASKS</b>
0.00	Begin road renovation which includes blading, watering, rolling and reshaping road surface, cleaning ditch lines where needed, cleaning culvert catch basins, and clearing culvert inlets and outlets. Ditch material shall be taken to Waste Disposal Site at M.P. 0.82 on the 34-7-3.01 road.
0.20	Remove 20 CY of slide material. Take material to waste disposal site on the 34-07-04.03 Road, see drawings.
0.62	Junction left, Private Road.
0.66	Junction right, Private Road.
1.21	Junction right, 34-07-03.02 Road.
1.41	Junction left, 34-07-03.03 Road.
1.41	End road renovation.
1.90	Begin road renovation.
2.05	Junction right, 34-07-03.01 Road, End road renovation.

### **ROAD 34-07-03.01 Seg A**

<b>MP</b>	<b>TASKS</b>
0.00	Begin road renovation which includes pulling ditches where needed and cleaning culvert inlet and outlets where needed.
0.82	Junction right, 34-07-04.03 Road. Waste disposal site, see drawings.
1.59	Junction right, 34-07-04.05 Road.

### **ROAD 34-07-04.05**

<b>MP</b>	<b>TASKS</b>
0.00	Begin road renovation which includes blading to an outslope configuration and reshaping/constructing water dips. Begin roadside brushing and chipping.
0.02	Reshape water dip.
0.06	Reshape water dip.
0.08	BLM property boundary.
0.10	Reshape water dip.
0.15	Reshape water dip.

0.21	Reshape water dip.
0.40	Construct water dip.
0.45	Construct water dip.
0.72	End road renovation.

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

ROAD SPECIFICATIONS

INDEX

100	GENERAL
500	RENOVATION & IMPROVEMENT OF EXISTING ROADS
600	WATERING
1800	SOIL STABILIZATION
2100	ROADSIDE BRUSHING



GENERAL – 100

101- Pre-work Conference(s):

A pre-work conference will be held prior to the start of improvement and renovation operations. The Purchaser shall request the conference at least (48) hours prior to the time it is to be held. The conference will be attended by the Purchaser and/or his representative(s), subcontractor(s) and/or his or their representative(s) and the Authorized Officer and/or his representative(s).

The purpose will be to review the required work, exhibits and specifications, and to establish a work schedule and a list of the Purchaser's representatives and subcontractor(s).

102- Definitions:

AASHTO - American Association of State Highway and Transportation Officials.  
Current editions of tests and specifications.

Abrasion Resistance - The ability of a fabric surface to resist wear by friction.

ACI - American Concrete Institute

Apparent Opening Size (AOS) - Number of the U.S. Bureau of Standard sieve (or its opening size in millimeters or inches) having openings closest in size to the diameter of uniform particles which will allow 5 percent by weight to pass through the geotextile material when shaken in a prescribed manner. This is also referred to as Equivalent Opening Size (EOS).

ASTM - American Society for Testing and Materials.

Base Course - Surfacing structure consisting of crushed gravel or stone, crushed sandstone, pitrun rock, bank or river-run gravels, etc., to provide support and, in the event no surface course is placed, the running surface for traffic load.

BLM - Bureau of Land Management

Borrow - Excavated material required for embankments and other portions of the work.

Burst Strength - The resistance of a geotextile material to rupture from pressure applied at right angles to the plane of the geotextile material under specified conditions, usually expressed as the amount of pressure causing failure. Rupture or burst results from tensile failure of the geotextile material.

Culvert - A pipe, pipe-arch, arch, or box structure constructed of metal, concrete, plastic or wood which provides an opening under the roadway primarily for the conveyance of

liquids, pedestrians or livestock.

Curve Widening - Widening required on inside of curves to accommodate long log and equipment hauling trucks.

Embankment - A structure of soil, aggregate, or rock material placed on a prepared ground surface and constructed to subgrade.

End Haul - Excavated material moved, other than by dozer, to an embankment or waste area to prevent sidecasting material outside of the road prism.

Excess Excavation - Material from the roadway in excess of that needed for construction of the designed roadway (waste).

Grab Tensile Strength - A modified tensile strength of a geotextile material. The strength of a specific width of geotextile material together with the additional strength contributed by adjacent areas. Typically, grab strength is determined on a 12-inch-wide strip of geotextile material, with the tensile load applied at the midpoint of the geotextile material width through 1-inch-wide jaw faces.

Grading - Leveling to grade, shaping and smoothing of a road subgrade; the shaping of roadside ditches as to grade and contour. In some instances includes smoothing of the cut bank.

Nonwoven Geotextile Material - A textile structure produced by bonding or interlocking of fibers, or both, accomplished by mechanical or chemical means.

Overhaul - Distance excavated material is transported in excess of the distance included in the cost for excavation.

Penetration Resistance - The geotextile material property determined by the force required to penetrate a geotextile material with a sharp pointed object. Initial penetration is by separating the fibers. Further penetration is essentially a tearing process.

Percent Open Area - The net area of a geotextile material that is not occupied by geotextile material filaments, normally determinable only for woven and nonwoven geotextile material having distinct, visible, and measurable openings that continue directly through the geotextile material.

Permeability - The geotextile material property which permits water to be transmitted in the longitudinal or transverse planes of the geotextile material.

Pioneer Road - Temporary construction access built along the route of the project.

Piping - The process by which soil particles are washed in or through pore spaces in drains and filters or poorly compacted fill/backfill material.

Plans - The approved drawings, or exact reproductions thereof which show the locations, character, dimensions, and details of the work to be done.

Pore Size - The size of an opening between geotextile material filaments; apparent opening size (AOS) is used to quantify this geotextile material property.

Puncture Resistance - The geotextile material property determined by the force required to penetrate a geotextile material with a blunt object. Failure results in a tearing of the geotextile material.

Purchaser - The individual, partnership, joint venture, or corporation contracting with the Government under the terms of a Timber Sale Contract and acting independently or through their, or its agents, employees, or contractors.

Reasonably Close Conformity - Compliance with reasonable and customary manufacturing and construction tolerances where working tolerances are not specified.

Reinforcement - Strengthening of concrete with iron bars or mesh: geotextile with geotextile material inclusion: subgrade with aggregate: etc.

Roadbed - The graded portion of the road within top and side slopes, prepared as a foundation for the pavement structure and shoulders.

Road Centerline - The longitudinal center of a roadbed.

Road Improvement - Work done to an existing road which improves it over its original design standard.

Road Renovation - Work done to an existing road which restores it to its original design.

Roadway - The portion of a road within limits of construction. Usually from the toe of the fill slope to a point where the cut slope intersects natural ground line. Synonym - road prism.

Scale - In quarrying, consists of the removal of loose or overhanging rock adhering to the solid face after a shot or a round of shots has been fired.

Scarification - The process of loosening or breaking up of the surface layer of soil or road, usually to a specified depth.

Separation - Function of geotextile material as a partition between adjacent materials to prevent mixing of those materials.

Shoulder - The portion of the roadbed contiguous with the traveled way designed for accommodation of stopped vehicles, safety, and lateral support of base and surface courses.

Spalls - Flakes or chips of stone.

Specifications - A general term applied to all directions, provisions, and requirements pertaining to performance of the work.

Specific Gravity - The ratio of the density of a material to the density of water obtained by weighing known volumes of both items in air. A specific gravity less than one implies that the material will float.

Structures - Bridges, culverts, catch basins, retaining walls, underdrains, flumes, splash pads, downspouts, and other project features which may be involved in the work and not otherwise classified in these specifications.

Subbase - Reinforcement of the subgrade with large particles of pitrun rock or crushed stone. Usually confined to roads having wet subgrades or subgrades with weak support characteristics.

Surface Course - Top layer of a road structure consisting of finely crushed gravels or asphalt designed to provide a smooth running surface for traffic load.

Subgrade - The top surface of a roadbed upon which the traveled way and shoulders are constructed.

Tensile Strength - The strength shown by a geotextile material subjected to tension as distinct from torsion, compression, or shear.

Tensile Stress - Strain Modulus - A measure of the resistance to elongation under stress. The ratio of the change in tensile stress to the corresponding change in strain.

Tensile Test - A test which subjects geotextile material to tensile forces and measures resultant stresses and strains.

Timber - Standing trees, downed trees, or logs which can be measured in board feet.

Traveled Way - The portion of the roadbed used for the movement of vehicles, exclusive of shoulders.

Typical Cross Sections - Cross-sectional plane of a typical roadway; showing natural ground line and designed roadway in relation to cut and fill, through cut, and through fill.

Turnout - Extra widening of the roadbed at appropriate intervals on single-lane roads for passing purposes.

Ultraviolet (UV) Radiation Stability - The ability of geotextile material to resist deterioration from exposure to sunlight.

Unaged Cloth - Cloth in condition received from the manufacturer or distributor.

Woven Geotextile Material - A textile structure comprising two or more sets of filaments of yarns interlaced in such a way that the elements pass each other at essentially right angles with one set of elements parallel to the geotextile material axis.

102a- Tests Used in These Specifications:

<u>AASHTO T 11</u>	Quantity of rock finer than No. 200 sieve.
<u>AASHTO T 27</u>	Sieve analysis of fine and coarse aggregate using sieves with square openings; gradation.
<u>AASHTO T 89</u>	Liquid limit of material passing the No. 40 sieve. Water content at which the soil passes from a plastic to a liquid state.
<u>AASHTO T 90</u>	Plastic limits and plasticity index of soil. a. Plastic limit - lowest water content at which the soil remains plastic. b. Plasticity index - range of water content, within which the material is in a plastic state. Numerical difference between the liquid and plastic limits of the soil.
<u>AASHTO T 96</u>	Resistance to abrasion of small size coarse aggregate by use of the Los Angeles machine.
<u>AASHTO T 99</u>	Relationship between soil moisture and maximum density of soil. Method A - 4" mold, soil passing a No. 4 Sieve. 25 blows/layer & 3 layers. Method D - 6" mold, soil passing a 19.00mm (3/4 inches) sieve. 56 blows/layer & 5 layers.
<u>AASHTO T 176</u>	Shows relative portions of fine dust or claylike materials in soil or graded aggregate.
<u>AASHTO T 180</u>	(OSHD 106-71) moisture density relationship of soil same as AASHTO T 99 proctor but uses a 10-lb rammer & 18-in drop.
<u>AASHTO T 191</u>	<u>Sand Cone.</u> Density of soil in place: For subgrade use 6-inch or 12-inch cone. For rock surfacing for 1-1/2-inch minus to 3-inch minus use 12-inch cone.
<u>AASHTO T 205</u>	<u>Rubber balloon.</u> Density of soil in place. Use for compacted or firmly bonded soil.
<u>AASHTO T 210</u>	Durability of aggregates based on resistance to produce fines.

<u>AASHTO T 224</u>	Correction for coarse particles in the soil.
<u>AASHTO T 310</u>	Determination of density of soil and soil-aggregates in place by nuclear methods.
<u>AASHTO T 248</u>	Reducing field samples of aggregate to testing size by mechanical splitter, quartering, or miniature stockpile sampling.
<u>ASTM D 4564</u>	Determination of relative density of cohesionless soils.

DMSO (dimethyl sulfide) - Determines volume of expanding clays in aggregates. Usually associated with marine basalts.

103- Compaction equipment shall meet the following requirements:

103f- Vibratory roller. The drum diameter shall be not less than 48 inches, the drum width not less than 58 inches, and have a turning radius of 15 feet or less. Vibration frequency shall be regulated in steps to 1400, 1500, and 1600 vibrations per minute (VPM), corresponding to engine speeds of 1575, 1690, and 1800 RPM. The centrifugal force developed shall be 7 tons at 1600 RPM. It shall be activated by a power unit of not less than 25 horsepower. The vibratory roller shall be self-propelled or drawn by a vehicle of sufficient horsepower to enable the unit to travel through a loose layer of material at a speed ranging from 0.9 mile to 1.8 miles per hour, as directed by the Authorized Officer.

The towing vehicle and roller or self-propelled unit meeting the above requirements shall be considered a vibratory roller unit.

103g- Vibratory compactor. Vibratory compactors shall consist of multiple or gang-type compacting units or pads with a minimum variable width of 2 feet. It shall be self-contained and capable of compacting material as required.

103i- Other. Compaction equipment approved by the Authorized Officer.

RENOVATION & IMPROVEMENT OF EXISTING ROADS - 500

- 501- This work shall consist of reconditioning and preparing the roadbed and shoulders, cleaning and shaping drainage ditches, trimming vegetation from cut and embankment slopes, and cleaning and repairing drainage structures of existing roads in accordance with these specifications, plans, and as marked on the ground with stakes.
- 502- The existing road surface shall be bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans and as marked on the ground with stakes at the following locations:

Road No.	From M.P.	To M.P.
34-07-02.00A	MP 0.00	MP 0.58
34-07-03.00A1	MP 0.00	MP 1.21
34-07-03.00A2	MP 1.21	MP 2.05
34-07-03.01A	MP 0.00	MP 1.59
34-7-04.05	MP 0.00	MP 0.72

- 502b- Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.

- 503a- Debris from slides at the following locations:

<u>Road Number</u>	<u>M.P.</u>	<u>Hauled To</u>
34-7-03.00 A1	0.20	34-7-03.01A, MP 0.82

- 504- Existing road surface shall be uniformly moistened or dried to the optimum moisture content suitable for maximum density and compacted to full width with equipment conforming to requirements of Subsections 103f, 103g, and 103i and in accordance with the following table:

Road No.	From Sta./M.P.	To Sta./M.P.	Subsection 504
34-07-02.00A	MP 0.00	MP 0.58	(504)(a)
34-07-03.00A1	MP 0.00	MP 1.21	(504)(a)
34-07-03.00A2	MP 1.21	MP 2.05	(504)(a)
34-07-03.01A	MP 0.00	MP 1.59	(504)(a)

504a- Minimum compaction required shall be (6) passes over each full-width layer, or fraction thereof, as measured along the centerline per layer of material.

506- The inlet and outlet ends of all existing drainage structures that fall within the following project location(s):

Road No.	From Sta./M.P.	To Sta./M.P.
34-07-02.00A	MP 0.00	MP 0.58
34-07-03.00A1	MP 0.00	MP 1.21
34-07-03.00A2	MP 1.21	MP 2.05
34-07-03.01A	MP 0.00	MP 1.59
34-07-04.05	MP 0.00	MP 0.72

shall be cleared of vegetative debris and boulders that are of sufficient size to obstruct normal stream flow. Catch basins shall conform to the lines, grade, dimensions, and typical diagram shown on the plans. All pipes shall be cleared of sediment and other debris lodged in the barrel of the pipe. The outflow area of all existing drainage structures shall be cleared of rock and vegetative obstructions which will impede the structure's designed outflow configuration.

508- Vegetation encroaching on the roadbed and the drainage ditches of existing roads at the following locations:

Road No.	From Sta./M.P.	To Sta./M.P.
34-07-04.05	MP 0.00	MP 0.72

shall be removed by cutting and disposed of in accordance with Subsection 2100 of these specifications.



WATERING - 600

- 601- This work shall consist of furnishing and applying water required for the compaction of embankments, roadbeds, backfills, base courses, surface courses, finishing and reconditioning of existing roadbeds, laying dust, or for other uses in accordance with these specifications.
- 602- Water, when needed for compaction or laying dust, shall be applied at the locations, in the amounts, and during the hours as directed by the Authorized Officer. Amounts of water to be applied will be the minimum needed to properly execute the compaction requirements in conformance with these specifications, and for laying dust during work periods where the road crosses private property.
- 603- Water trucks used in this work shall be equipped with a distributing device of ample capacity and of such design as to ensure uniform application of water on the road bed.
- 605- The Purchaser shall secure the necessary water permits and pay all required water fees for use of water source(s) selected by the Purchaser and approved by the Authorized Officer.

SOIL STABILIZATION – 1800

1801- This work shall consist of seeding and mulching on designated cut and fill slopes, borrow sites, disposal sites, and special areas in accordance with these specifications and as shown on the plans. This work is required for road acceptance under Section 18 of this contract.

1802a- Soil stabilization work consisting of seeding and mulching shall be performed on road renovation and improvements, landings, disturbed areas, borrow sites, disposal sites, and special areas in accordance with these specifications and as shown on the plans.

1803- Soil stabilization work as specified under Subsection 1802a shall be performed during the following seasonal periods:

From: September 15 <sup>th</sup>	To: October 31 <sup>st</sup> (of the same year)
----------------------------------	---

The Authorized Officer may modify the above seasonal dates to conform to existing weather conditions and changes in the construction schedule.

1803a- The Purchaser shall begin soil stabilization work within (10) days of the starting work date when notified by the Authorized Officer.

1804- The BLM shall provide native grass/forb seed for this project, if available.

1806a- Additional soil stabilization work consisting of seeding and mulching may be required at the option of the Authorized Officer. Providing the additional stabilization is not due to Purchaser negligence as specified in Section 12 of the contract, a reduction in the total purchased price shall be made to offset the cost of furnishing and applying such additional stabilization material. Cost shall be based upon the unit price set forth in the current BLM Timber Appraisal Production Cost Schedule.

1808- Mulch materials conforming to the requirements of Subsections 1808a and 1808b shall be furnished by the Purchaser.

1808a- Straw mulch shall be certified weed free from commercial grain fields and native grass fields. Straw mulch shall be from oats, wheat, rye, or other approved grain crops and shall be free from, mold, or other objectionable material. Straw mulch shall be in an air-dry condition and suitable for placement.

1808b- Wood cellulose fiber shall have the property of dispersing readily in water and shall have no toxic effect when combined with seed or other materials. The homogeneous slurry or mixture shall be capable of application with power spray equipment. A green-colored dye which is non-injurious to plant growth shall be used. Processed wood cellulose fiber shall be packaged in new, labeled containers in an air dry condition.

The Purchaser shall furnish a sample and descriptive literature to the Authorized Officer for approval prior to application. Processed wood cellulose fiber furnished by the Purchaser which has become wet or otherwise damaged in transit or storage will not be accepted.

- 1809- Mulch material shall be delivered to the work area in a dry state. Material found to be wet will not be accepted. Material to be used in the mulching operation may be stockpiled along the road designated for treatment provided that it is maintained in a dry state and has the approval of the Authorized Officer.
- 1810- Bulk mulching material required under these specifications shall be delivered to the work area bound either by twine, string or hemp rope. Wire binding will not be permitted.
- 1811- The Purchaser shall furnish and apply to approximately 1 acre designated for treatment as shown on the plans and as specified under Subsections 1802a and 1806a, a mixture of grass seed and mulch material at the following rate of application:

a. Single Stage:

Native Grass Seed	(10) lbs./acre
Mulch	(300) lbs./acre

The above proportion and application rate are subject to adjustment by the Authorized Officer during the application operation.

- 1814- The Purchaser may reduce the application rate on partially covered slopes and refrain from application on areas already well stocked with grass or on rock surfaces as determined by the Authorized Officer.
- 1815- The seed and mulch materials shall be placed by the dry method in accordance with the requirements set forth in Subsection 1815b.
- 1815b- Dry Method - Blowers, mechanical seeders, seed drills, landscape seeders, cultipacker seeders, or other approved mechanical seeding equipment may be used when seed is to be applied in dry form.
- 1818- The maximum distance to be seeded and mulched from the road centerline shall be (100) feet for the cut slopes and (150) feet for the fill slopes.
- 1819- The Purchaser shall notify the Authorized Officer at least (3) days in advance of date he/she intends to commence the specified soil stabilization work
- 1824- Twine, rope, sacks, and other debris resulting from the soil-stabilization operation shall be picked up and disposed of to the satisfaction of the Authorized Officer.

ROADSIDE BRUSHING - 2100

- 2101- This work shall consist of the removal of vegetation from the road prism either by scattering or chipping debris - variable distance, and inside curves in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the Roadside Brushing Detail Sheet of this exhibit, at designated locations as shown in the plans.
- 2102- Roadside brushing may be performed mechanically with self-powered, self-propelled equipment and/or manually with hand tools, including chain saws.
- 2103- Vegetation cut manually and/or mechanically less than (6) inches in diameter at DBH shall be cut to a maximum height of (2) inches above the ground surface or above obstructions such as rocks or stumps on cut and fill sloped and all limbs below the (2) inch area will be severed from the trunk.
- 2103a- Vegetation shall be cut and removed from the road bed between the outside shoulders and the ditch centerline and such vegetation shall be cut to a maximum height of (1) inch above the ground and running surface. Limbs below the (1) inch area will be severed from the trunk. Sharp pointed ends will not be permitted. Cuts shall be parallel to the ground line or running surface.
- 2104- Trees in excess of (6) inches in diameter at DBH shall be limbed, so that no limbs extend into the treated area or over the roadbed to a height of (14) feet above the running surface of the roadway on cut and fill slopes, within the road prism-variable distance. Limbs shall be cut to within (1) inches of the trunk to produce a smooth vertical face. Removal of trees larger than (6) inches in diameter for sight distance or safety may be directed by the Authorized Officer.
- 2105- Vegetation that is outside of the road prism-variable distance that protrudes into the road prism and within (14) feet in elevation above the running surface shall be cut, to within (1) inch of the trunk to produce a smooth vertical face.
- 2106- Vegetative growth capable of growing (1) foot in height or higher shall be cut, within the road prism-variable distance or as directed by the Authorized Officer.
- 2107- Inside curves shall be brushed out for a sight distance of (200) feet chord distance or a middle ordinate distance of (25) feet, whichever is achieved first. Overhanging limbs and vegetation in excess of (1) foot in height shall be cut within these areas.
- 2108- Self-propelled equipment shall not be permitted on cut and fill slopes or in ditches.
- 2109- Debris resulting from this operation shall be chipped or scattered downslope from the roadway. Debris shall not be allowed to accumulate in concentrations. Debris in excess of (1) foot in length and (2) inches in diameter shall not be allowed to remain on cut

slopes, ditches, roadways or water courses, or as directed by the Authorized Officer.

2110- Vegetation (6) inches and smaller in diameter shall be chipped. Chips shall be scattered downslope from the roadway. Vegetation over (6) inches in diameter shall be disposed of by direction of the Authorized Officer.

2113- Roadside brushing shall be accomplished as shown on the plans and as listed below:

Road Number	Disposal Type	From M.P.	To M.P.
34-07-04.05	Chip/Scatter	0.00	0.72

2115- Sections of the roadway to have vegetation removed will be marked at start and stop points with red-topped painted stakes.

2116- Mechanical brush cutters shall not be operated when there are people and occupied vehicles within (400) feet of the immediate operating area.

2117- Traffic warning signs shall be required at each end of the work area. Signs shall meet the requirements of the Manual on Uniform Traffic Device.

## SPECIAL PROVISIONS

1. Before beginning road renovation, construction, reconstruction, or surfacing operations for the first time or after a shutdown of seven or more days, the Purchaser shall notify the Authorized Officer of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer if they intend to cease operations for any period of 30 or more days.
2. The contractor shall protect and is responsible for any damage to existing telephone lines, transmission lines, fiber optic lines, fences, ditches, and other existing improvements as required in Section 14. Damage to utilities and existing improvements shall be promptly paid for or repaired to a condition which, in the opinion of the Authorized Officer, is at least as good as the condition just prior to such damage.
3. All disturbed soil shall be seeded and mulched. Purchaser shall apply native grass seed and Certified Weed Free straw mulch for soil stabilization operations. BLM will furnish native grass seed, **if available**. Certified weed free straw mulch will be the responsibility of the contractor.
4. The Purchaser shall clean culvert inlets located in stream channels between **July 1 and September 15** in accordance with Oregon Department of Fish and Wildlife (ODFW) in-stream work period guidelines.
5. Ensure that all large wood is retained in the stream channel during culvert cleaning activities by moving logs which had accumulated on the stream side of a culvert to the downstream side of the culvert.
6. Brushing: All debris resulting from roadside brushing activities shall be mechanically chipped. Use of Excavators for brush removal will be at the discretion of the Authorized Officer (AO). **All culvert inlets and outlets shall be brushed for a radius of 4 feet.**
7. Cutting limits beneath or adjacent to bridges shall extend 8 feet horizontally from each side of the outermost projected line of the bridge including abutments, curbs, rails or decks. Cut brush and trees shall be removed from beneath the bridge and from the stream channel.
8. Contractor shall be responsible for hay bale sediment barriers that will be placed in the ditchlines due to Coho critical habitat at the following locations:
  - a) BLM road #34-7-2.0 at M.P. 0.55 (two sites – one on each side of bridge)
  - b) BLM road #34-7-3.0 at M.P. 0.15 (one site)

These hay bale sediment barriers shall be maintained and monitored by the Purchaser during the life of the contract and haul route usage.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ROAD MAINTENANCE SPECIFICATIONS

INDEX

COVER SHEET

SPECIFICATIONS

3000 - GENERAL MAINTENANCE

3100 - OPERATIONAL MAINTENANCE

3200 - SEASONAL MAINTENANCE

3300 - FINAL MAINTENANCE

3400 - OTHER MAINTENANCE

EXHIBIT D-2 MAP

**GENERAL - 3000**

- 3001 The Purchaser shall be required to maintain all roads as shown on the Exhibit C-3 and Exhibit D-2 maps of this contract in accordance with Sections 3000, 3100, 3200, 3300 and 3400 of this exhibit.
- 3001a The Purchaser shall be required to provide maintenance on roads in accordance with Subsections 3403, 3403a, 3404, and 3406.
- 3002 The Purchaser shall maintain the cross section of existing dirt or graveled roads to the existing geometric standards. Any roads required to be constructed, improved, or renovated under terms of this contract shall be maintained to the geometric standards required in Exhibit C of this contract.
- 3003 The minimum required maintenance on any roads shall include the provisions specified in Subsections 3101, 3104, and 3105.

**OPERATIONAL MAINTENANCE - 3100**

- 3101 The Purchaser shall blade and shape the road surface and shoulders with a motor grader. Banks shall not be undercut. Back blading with tractors or similar equipment will be allowed only around landings and other areas when approved by the Authorized Officer.
- 3103 The purchaser shall maintain established berms and place additional berms using adjacent material where needed to protect fills as directed by the Authorized Officer.
- 3104 The purchaser shall perform other road cleanup including removal of debris, fallen timber, bank slough, and slides which can practicably be accomplished by a motor grader, rubber tired front end bucket loader, rubber tired backhoe or comparable equipment, and by the use of hand tools.
- 3104a Removal of bank slough and slide material includes placement of material at the nearest designated, suitable disposal site where material cannot erode into streams, lakes, or reservoirs or cause undue damage to road fill slopes which have been planted or mulched to control soil erosion as directed by the Authorized Officer.
- 3104b The Purchaser shall be responsible for removal of all slides or slough, up to fifteen (15) station yards in quantity, at any one site. This work includes unlimited multiple sites on all roads required to be maintained by the purchaser.

Prior to removal of any slough or slide material exceeding fifteen station yards at any one site, the Purchaser and the Authorized Officer or their Authorized Representatives shall agree in writing, in the field, to the quantity of material, method of disposal, and the disposal site. Work may commence immediately after agreement.

Upon completion of agreed upon work, a reduction in timber sale purchase price will be made to offset the cost of the work, based on current BLM Road Cost Guide. Adjustments in purchase price for completed work shall be made as necessary and no less than once per year when actual work is ongoing.



*DEFINITION: ONE STATION YARD IS ONE YD<sup>3</sup> MOVED ONE HUNDRED FEET.*

*EXAMPLE: 15 STATION YARDS IS 15 YDS<sup>3</sup> MOVED 100 FEET OR 30 YDS<sup>3</sup> MOVED 50 FEET.*

3105 The Purchaser shall be responsible for maintaining normal flow in drainage structures. This includes cleaning out drainage ditches, catch basins, clearing pipe inverts of sediment and other debris lodged in the barrel of the pipe, and maintaining water dips and water-bars using equipment specified in Subsection 3104 and other culvert cleaning and flushing equipment.

3106 The Purchaser shall be responsible for repair and replacement of all materials eroded from road shoulders and fill slopes, up to fifteen (15) station yards in quantity, at any one site. This work includes unlimited multiple sites on all roads required to be maintained by the Purchaser. Prior to repair and replacement of eroded material exceeding fifteen (15) station yards at any one site, the Purchaser and the Authorized Officer or their Authorized Representatives shall agree in writing, in the field, to the quantity of material, borrow source and method of repair. Work may commence immediately after agreement.

Upon completion of agreed upon work, a reduction in timber sale purchase price will be made to offset the cost of the work based upon current BLM Road Cost Guide. Adjustments in purchase price for completed work shall be made as necessary and no less than once per year when actual work is ongoing.

3107 The Purchaser shall cut or trim trees and brush which obstructs vision or prevents the safe passage of traffic along the traveled way when directed by the Authorized Officer.

The Purchaser shall also cut trees or brush encroaching on the road prism that are a result of his activities or winter damage during the contract period. Disposal of such vegetative material shall be by scattering below the road and in accordance with Section 2100 of Exhibit C.

3108 The Purchaser shall avoid fouling gravel or bituminous surfaces through covering with earth and debris from side ditches, slides or other sources. The Purchaser shall also avoid blading surfacing material off the running surface of the roadway. Skidding of logs on the roadway in or outside designated logging units is not authorized without prior written approval by the Authorized Officer. Repair required caused by such skidding activity is not considered maintenance and shall be repaired at the Purchaser's expense.

### **SEASONAL MAINTENANCE - 3200**

3201 The Purchaser shall perform preventative maintenance at the end of Purchaser's hauling each season and during non-hauling periods which occur between other operations on the contract area. This includes requirements specified in Section 3100.

3202 The purchaser shall perform and complete maintenance specified in Sections 3000, 3100, and 3200 on all roads maintained by him, prior to (October 1) each year, except as specified in Subsection 3203, after initial commencement of construction or logging operations. Thereafter, all roads shall have continuous preventive maintenance and road cleanup until suspension of seasonal operations. This includes all roads used and not used during the proceeding operating seasons.

- 3203 The Purchaser shall complete road cleanup and maintenance, as specified in Section 3100, at the completion of logging operations on any roads located in an area separate from the area where logging activities will resume.
- 3204 The Purchaser shall be responsible for performing post storm inspections and maintenance during the winter season to minimize erosion and potential road or watershed damage.

**FINAL MAINTENANCE - 3300**

- 3301 The Purchaser shall complete final maintenance and/or damage repairs on all roads used under terms of their contract within thirty 30 calendar days following the expiration of Purchaser's right to cut and remove timber (Sec. 4) and in accordance with Sec. 16(b) of this contract. This work shall include any maintenance and/or damage repairs specified in Sections 3000, 3100, and 3200 necessary to meet the conditions specified in Subsection 3002 and shall be executed in accordance with Subsection 3302 of this section.

The Authorized Officer may grant acceptance of Purchaser's maintenance responsibility in part where certain individual roads or road segments are no longer of any use to the Purchaser's remaining removal operations, providing that all contract requirements as specified under Sec. 16(b), Special Provisions Sections 3000, 3100, 3200 and 3300 of the maintenance specifications have been completed and a relinquishment of cutting and removal rights on cutting units tributary to these roads is signed by the Purchaser. Request for partial acceptance must be submitted in writing by the Purchaser.

- 3302 The Purchaser shall perform final road maintenance only when weather or soil moisture conditions are suitable for normal maintenance equipment operations as determined by the Authorized Officer.

If final maintenance is delayed after the date required in Subsection 3301 of this contract by adverse soil moisture or unsuitable equipment operating conditions, the Purchaser will be notified by the Authorized Officer when soil moisture and equipment operating conditions are suitable. The Purchaser shall then be required to complete final maintenance within 30 days.

**OTHER MAINTENANCE - 3400**

- 3401 The Purchaser shall repair any damage to road surfaces that was specified under Subsection 3108. This repair includes restoring the roadway to the designed standard and replacement of surfacing with approved surface material. This repair is not limited to use of equipment specified in Subsection 3104.
- 3402 The Purchaser shall be permitted to remove ice and snow from roads authorized for use under this contract only when prior written approval has been secured from the Authorized Officer. The Purchaser shall submit a written request for permission to remove ice and snow in advance of the date operations are to begin.

Upon receiving written authorization for ice or snow removal, the Purchaser will perform the

work according to the conditions and equipment requirements set forth in the authorization.

3403 The Purchaser shall be required to furnish and apply non-saline water during dry hauling periods, when directed by the Authorized Officer, for the purpose of laying dust and to prevent loss of surface material. The first application of water shall be made at the rate of one-half gallon per yd<sup>2</sup> of road surface traveled. Subsequent applications shall be made for each 40 MBF of timber or 120 yds<sup>3</sup> of rock hauled. Subsequent watering may be done at a rate less than one-half gallon per yd<sup>2</sup> when a specified lesser rate is approved by the Authorized Officer.

The following roads shall be watered:

Road Number	From M.P.	to M.P.
34-7-2.0A	0.00	0.58
34-7-3.0A1	0.00	0.67

The Purchaser shall secure any necessary water permits and pay all required water fees for use of the water source(s) selected by the Purchaser and approved by the Authorized Officer.

During drought periods when the transportation of water from the source to the roads noted above exceeds (15) miles, a reduction shall be made in the total purchase price to reflect the additional haul or the substitution of other acceptable dust palliatives in lieu of watering based on equipment rental rates from the current BLM Road Cost Guide.

3403a During dry hauling conditions when watering is not required, the Purchaser shall reduce hauling speeds or restrict the number of loads hauled to reduce dust as directed by the Authorized Officer on the following roads:

Road Number	From M.P.	to M.P.
34-7-2.0 A	0.00	0.58
34-7-3.0 A1	0.00	0.67

Adjustments to the above schedules may be made by the Authorized Officer at his option as hauling conditions improve. The Purchaser, at his option and expense, may elect to substitute watering or other dust palliatives in lieu of the above hauling requirements provided that written approval is received from the Authorized Officer. Such authorization shall include the approval of product specifications for the application and the product to be used.

3404 The Purchaser may at his option and expense substitute lignin sulfonate, magnesium chloride, calcium chloride for water on any or all road segments listed in Subsection 3403 or 3403a provided that written approval is received from the Authorized Officer. Such authorization shall include the approval of product specifications for the application of the product to be used. Multiple applications may be required to maintain the conditions specified in Subsection 3403.

- 3405b The Purchaser shall notify affected residents along the roads to be treated of the planned application of lignin sulfonate, magnesium chloride, or calcium chloride dust palliatives at least (3) days prior to the work. Warning signs shall be posted at key intersections to alert users that the road is being treated. All signs shall be removed by the Purchaser within thirty (30) days of treatment.
- 3406 Prior to the application of lignin sulfonate, magnesium chloride, or calcium chloride dust palliatives, the roadbed shall be bladed and shaped to remove surface irregularities and excess loose material. The prepared surface must be visibly moist and drying.
- 3406b A light application of water to promote penetration shall be made in advance of the application of the specified dust palliative to allow the drying process to begin and to eliminate any saturated surface conditions.
- 3406c The prepared roadbed shall be approved by the Authorized Officer prior to application of the specified dust palliative.
- 3407 The Purchaser shall furnish in duplicate, commercial certification signed by vendor of compliance with the lignin sulfonate, magnesium chloride, or calcium chloride dust palliatives material requirements specified under Subsection (3412b) (3412c). Commercial certification includes the date, identification number of truck or trailer, net mass, and brand name with each shipment. Also provide the net volume and specific gravity at 60 degrees F, percent solids by mass, and PH.
- 3408 Dust palliatives shall be applied with standard commercial distribution equipment operated in a manner that the material is uniformly applied on variable widths of surface at controlled rates.
- 3409 The Purchaser shall notify the Authorized Officer a minimum of (3) days in advance of application of required dust palliative.
- 3410 The Purchaser shall submit an application schedule for all dust palliative work to the Authorized Officer for approval. All work shall be in accordance with the approved plan.
- 3411 Required lignin sulfonate, magnesium chloride, or calcium chloride dust palliatives shall only be applied when the atmospheric temperature is 45° F and steady or rising and when the weather is not foggy or rainy. Do not apply dust palliative if rain is anticipated within 24 hours of application or when the ground is frozen.
- 3412 The Purchaser shall apply to the prepared roadbed specified under Subsection 3405, a lignin sulfonate, magnesium chloride, or calcium chloride dust palliative conforming to the material requirements of Subsection (3412b) (3412c). The rate of application shall be (0.5) gallons per yd<sup>2</sup> surface.
- Applied materials not penetrating the road surface shall be blade mixed with additional water into the top 1 to 1½ inches of the surfacing at the Contractor's expense.
- 3412a If required, the lignin sulfonate, magnesium chloride, or calcium chloride shall be field diluted within the application vehicle and be circulated at least 5 minutes to assure mixing. An air gap shall be provided between any water source and the materials being diluted. Accidental spills

shall be contained to prevent entry in water courses or ponded water. The surface of adjacent structures and trees shall be protected from spattering or marring.

A wetting agent may be used in addition to the certified compound or mixed with the road surface preparation watering. A mix of less than 1:6000 is recommended.

Water used to dilute lignin sulfonate, magnesium chloride, or calcium chloride concentrate shall be clean and free of oil, salt, acid, alkali, vegetable matter, or any other substance that contaminates the finished product.

3412b Specifications for Lignin Sulfonate:

Lignin sulfonate shall be the chemical residue produced as a byproduct of the acid sulfite pulping process and supplied as a water solution. The base cation shall be ammonia, calcium, or sodium. The product shall be water soluble to allow field dilution. Dilute with water until the mixture contains a minimum 48 percent concentration.

Solids	50%
Specific gravity	1.25
PH, AASHTO T289	4.5 min.

Ensure that the material does not exceed the following chemical constituents:

phosphorous	25.00 ppm
cyanide	0.20 ppm
arsenic	5.00 ppm
copper	0.20 ppm
lead	1.00 ppm
mercury	0.05 ppm
chromium	0.50 ppm
cadmium	0.20 ppm
barium	10.00 ppm
selenium	5.00 ppm
zinc	10.00 ppm

Apply when the ambient air temperature is 45° F or above.

3412c Specifications for magnesium chloride or calcium chloride:

The material shall consist of a brine containing 29 to 35 percent magnesium chloride or calcium chloride by weight and 62 to 72 percent water by weight. Ensure that the material does not exceed the following chemical constituents:

phosphorous	25.00 ppm
cyanide	0.20 ppm

arsenic	5.00 ppm
copper	0.20 ppm
lead	1.00 ppm
mercury	0.05 ppm
chromium	0.50 ppm
cadmium	0.20 ppm
barium	10.00 ppm
selenium	5.00 ppm
zinc	10.00 ppm
sulfate	4.3 percent maximum
nitrate	5.0 percent maximum.

Concentration specifications for Calcium Chloride

Calcium chloride shall conform to AASHTO M 144, type L for the specified concentration.

Concentration specifications for Magnesium chloride

(1) Magnesium chloride by mass	28% minimum
(2) Water by mass	72% maximum
(3) Specific gravity, AASHTO T 227	1.290 to 1.330 )

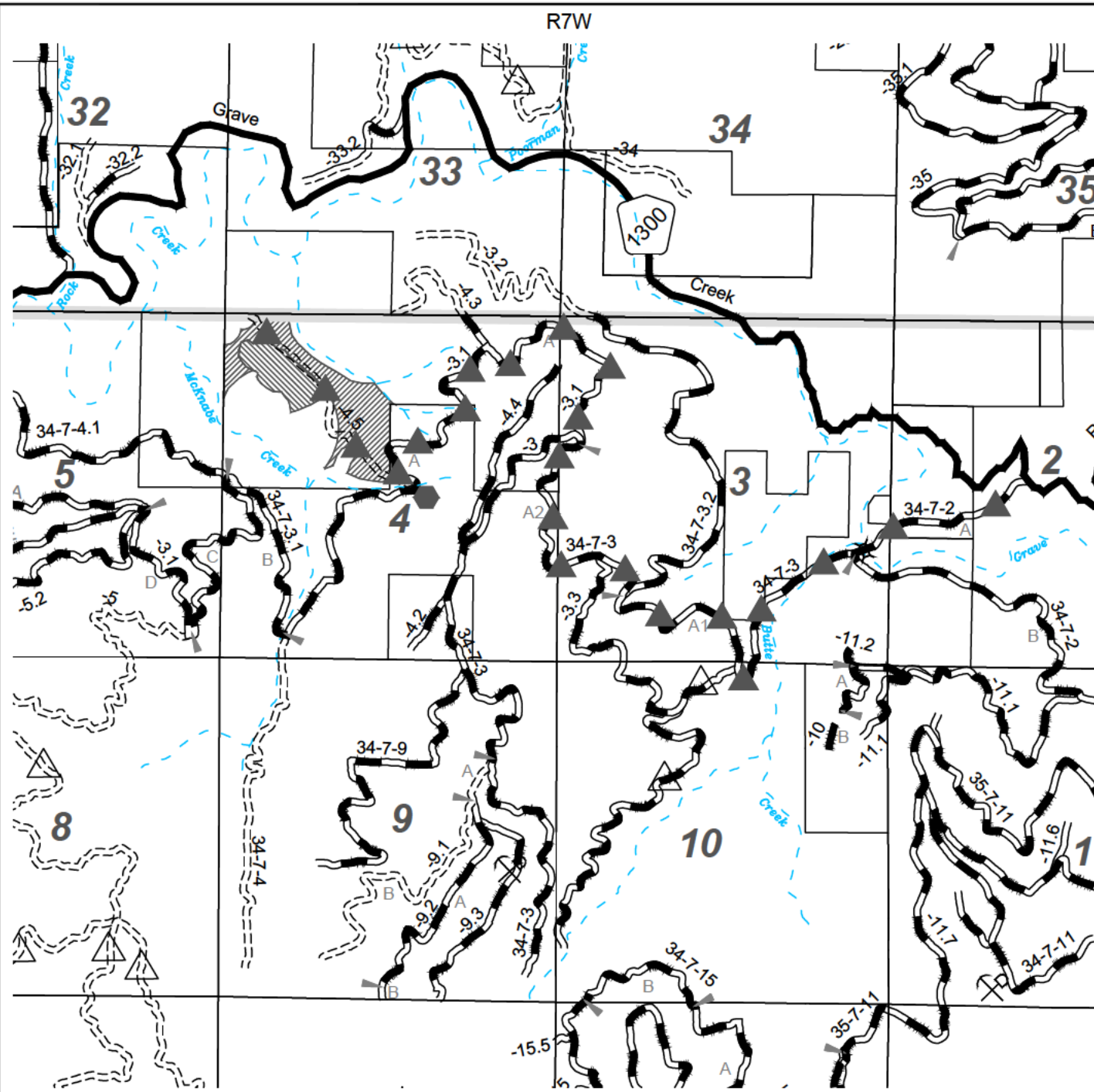
Apply when the ambient air temperature is 45° F or above.

3413 Sampling of lignin sulfonate, magnesium chloride, or calcium chloride material may be required to validate certificates furnished by the Purchaser. When sampling is directed by the Government, the actual samples will be taken by the Purchaser or his representative in the presence of the Authorized Officer.

# EXHIBIT D2

SHEET 1 OF 1

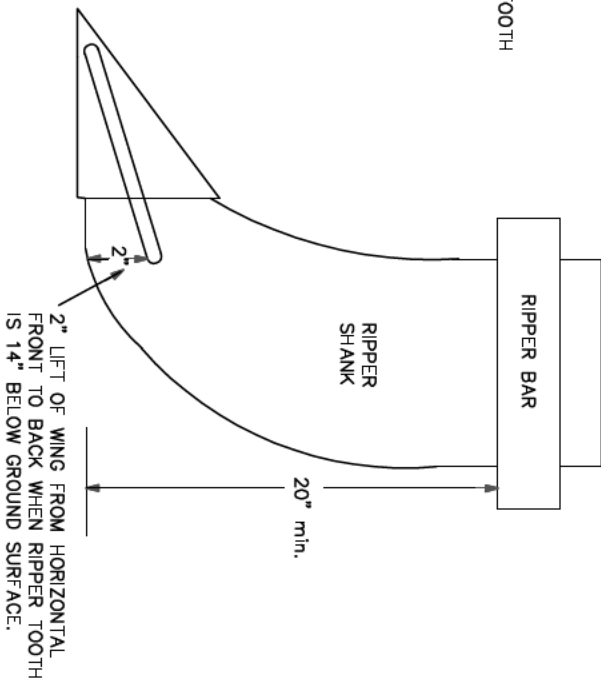
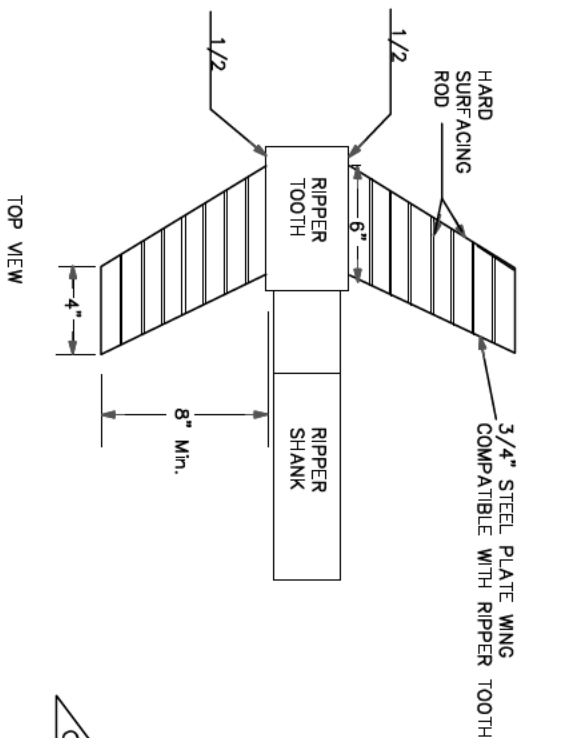
McKNABE TIMBER SALE  
TRACT NO. ORM07-TS12-15



- BLM OWNERSHIP
- T33S BST ROAD
- T34S ROCKED ROAD
- NATURAL SURFACE ROAD
- PURCHASER MAINTAINED ROADS
- TRUCK TURN-AROUND
- McKNABE UNIT

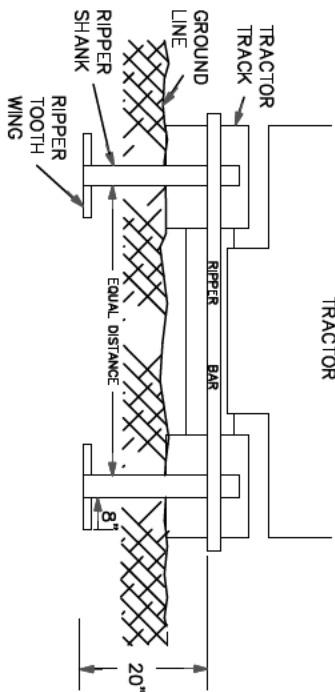
ALWAYS  
**THINK**  
SAFETY

REV. NO.	DESCRIPTION	DATE	APPROV.
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON			
McKNABE TIMBER SALE ROAD MAINTENANCE MAP			
DESIGNED: _____			
REVIEWED: _____			
APPROVED: _____			
DRAFTED BY: ELF		SCALE: 1" = 1/2 MI	
DATE: JAN 2012		SHEET: 1 OF 1	
DRAWING NO.: OR-11-9113.4-1			



SIDE VIEW

TYPICAL RIPPER POSITION



- NOTES: TYPICAL RIPPER TOOTH CONSTRUCTION
1. USE HARD SURFACING ROD FOR ALL EDGE AND SURFACE REINFORCEMENT.
  2. WELD THAT ATTACHES WINGS TO RIPPER TEETH MUST BE COMPATIBLE WITH METAL IN TEETH AND WINGS.
  3. RIPPER SHANKS AND RIPPER TEETH MAY BE NEW OR USED.
  4. WINGS SHALL PROVIDE TWO (2) INCHES OF LIFT FROM THE HORIZONTAL WHEN TEETH ARE EXTENDED FOURTEEN (14) INCHES BELOW THE GROUND SURFACE.

WING RIPPER DETAIL

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ASHLAND RESOURCE AREA MEDFORD DISTRICT

DESIGNED \_\_\_\_\_  
REVIEWED \_\_\_\_\_  
APPROVED \_\_\_\_\_

DRAWN: JWR SCALE: NONE

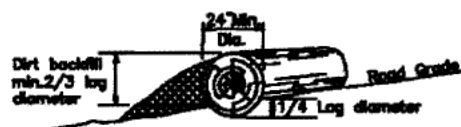
DATE: October 2009 SHEET 1 OF 1

DRAWING NO. \_\_\_\_\_



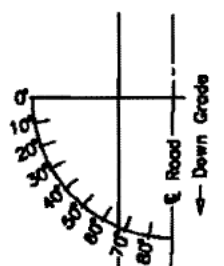


LOG BARRICADE

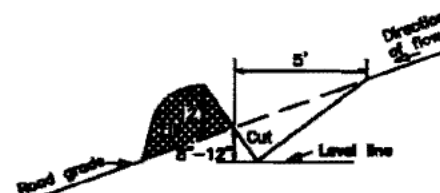


1. LOG BARRICADE SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL BARRICADES SHALL BE SKEWED 30 DEGREES
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE.
5. THE MINIMUM SMALL END DIAMETER OF THE LOG BARRICADE SHALL BE 24".

SKEW DIAGRAM



WATER BAR



1. WATER BARS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER BARS SHALL BE SKEWED 30 DEGREES
4. UPON COMPLETION OF SKIDDING LOGS, FOR THE LOGGING SEASON, EACH SKID ROAD WILL HAVE CROSS DRAINAGE CONSTRUCTED AS SHOWN ABOVE.
5. PRIOR TO BLOCKING, EACH ROAD WILL HAVE CROSS DRAINAGE CONSTRUCTED AS SHOWN ABOVE.

WATER BAR SPACING \*

ROAD GRADE	LOAM OR CLAY LOAM	DECOMPOSED GRANITE
%	FEET	FEET
4-6	400	300
7-9	300**	200**
10-14	200	150
15-20	150	90
21-40	90	50
41-60	50	25

\* DISTANCES ARE MAXIMUM.

\*\* ON GRADES IN EXCESS OF 10% CONSTRUCT WATER BARS.

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
MEDFORD DISTRICT - MEDFORD, OREGON

**DRAINAGE & EROSION  
CONTROL INSTALLATION**

DESIGNED BY BLM  
REVIEWED BY BLM  
APPROVED BY BLM  
DRAWN DCM SCALE NONE  
DATE October 2008 SHEET 1 OF 1  
DRAWING NO. OR-11-8113.4-8



**United States of America**  
**Department of the Interior**  
**Bureau Of Land Management**  
**Timber Sale Appraisal**

---

**District :** Medford  
**Sale Name :** McKnabe  
**Sale Date :** 06/28/2012  
**Appraisal Method :** 16' MBF

**Contract # :** ORM07-TS-12-15  
**Job File # :** M11282  
**Master Unit :** Josephine  
**Planning Unit :** Grants Pass

---

**Contents**

Timber Sale Summary	2
Stumpage Summary	3
Prospectus	4
Exhibit B	5
Volume Summary	6
Stump to Truck Costs	7
Other Allowances Costs	8
Consolidated Comments	9

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Medford  
McKnabe  
ORM07-TS-12-15

**Timber - Sale - Summary**

**Legal Description**

Forest Type	Township	Range	Section	Subdivision
PD	34S	7W	4	Lots 3 and 4, S1/2NW1/4

**Cutting Volume (16' MBF)**

Unit	DF	PP	SP						Total	Regen	Partial	ROW
1	214	31	3						248	0	45	0
Progeny	63								63	0	13	0
Totals	277	31	3						311	0	58	0

**Logging Costs per 16' MBF**

Stump to Truck	\$ 222.87
Transportation	\$ 42.77
Road Construction	\$ 39.77
Road Amortization	\$ 0.00
Road Maintenance	\$ 11.68
Other Allowances :	

Fuels Treatment	\$ 5.95
Misc	\$ 1.24
Other Costs	\$ 12.70
<b>Total Other Allowances :</b>	<b>\$ 19.89</b>

**Profit & Risk**

Total Profit & Risk	8 %
Basic Profit & Risk	7 % + Additional Risk 1 %
Back Off	0 %

**Tract Features**

Avg Log	Douglas-fir : 35 bf	All : 36 bf
Recovery	Douglas-fir : 93 %	All : 93 %
Salvage	Douglas-fir : 0 %	All : 0 %
Avg Volume ( 16' MBF per Acre)		5
Avg Yarding Slope		5 %
Avg Yarding Distance (feet)		300
Avg Age		80
Volume Cable		0 %
Volume Ground		100 %
Volume Aerial		0 %
Road Construction Stations		0.00
Road Improvement Stations		0.00
Road Renovation Stations		0.00
Road Decommission Stations		0.00

**Cruise**

Cruised By	aulfield, K.Dowding and A.Franks
Date	02/07/2012
Type of Cruise	3-P and 100%
County, State	Josephine, OR

**Net Volume**

Green (16' MBF)	311
Salvage (16' MBF)	0
Douglas-fir Peeler	0
Export Volume	0
Scaling Allowance (\$0.75 per 16' MBF)	\$233.25

Total Logging Costs per 16' MBF

**\$ 336.98**

**Utilization Centers**

Center #1 : Glendale, OR	27 Miles
Center #2	0 Miles
Weighted distance to Utilization Centers	27

**Length of Contract**

Cutting and Removal Time	36 Months
Personal Property Removal Time	1 Months

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Medford  
McKnabe  
ORM07-TS-12-15

**Stumpage Summary**

**Stumpage Computation (16' MBF)**

Species	Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Cost	(+) Marginal Log Value	(-) Back Off	Appraised Price	Appraised Value
DF	3,155	277	\$ 424.06	\$ 33.92	\$ 336.98			\$ 53.20	\$ 14,736.40
PP	197	31	\$ 321.39	\$ 25.71	\$ 336.98			<b>\$ 32.10</b>	\$ 995.10
SP	18	3	\$ 256.18	\$ 20.49	\$ 336.98			<b>\$ 25.60</b>	\$ 76.80
<b>Totals</b>	<b>3,370</b>	<b>311</b>							<b>\$ 15,808.30</b>

**Log Code by Percent**

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Sugar Pine				31.0	61.0	8.0
Ponderosa Pine				24.0	68.0	8.0
Douglas-fir				26.0	59.0	15.0

**Marginal Log Volume**

Species	Grade #7	Grade #8
Sugar Pine		
Ponderosa Pine		
Douglas-fir		

**Appraised By :** Franks, Annie

**Date :** 03/20/2012

**Area Approval By :** Caulfield, Dave

**Date :** 03/22/2012

**District Approval By :**

**Date :**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Medford  
McKnabe  
ORM07-TS-12-15

**Prospectus**

**Appraisal Method : (16' MBF)**

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	3,155	277	236	530
Ponderosa Pine	197	31	26	57
Sugar Pine	18	3	2	6
<b>Total</b>	<b>3,370</b>	<b>311</b>	<b>264</b>	<b>593</b>

**All Species**

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
336	3,370	99	11.4	333	9,232	36

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
9,232	70	9,302	2.8	311	336	93 %

**Douglas-fir**

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
298	3,155	94	11.1	296	8,469	35

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
8,469	53	8,522	2.7	277	298	93 %

**Cutting Areas**

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
1		45		45
Progeny		13		13
<b>Totals :</b>		<b>58</b>		<b>58</b>

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Medford  
McKabe  
ORM07-TS-12-15

**Exhibit B**

The following estimates and calculations of timber sold are made solely as an administrative aid for determining: (1) Adjustments made or credits given in accordance with Sections 6, 9, or 11; (2) When payments are due; and (3) Value of timber subject to any special bonding provisions. The value of timber will be determined by multiplying the value per acre as shown below, times the amount of acreage as determined by the authorized officer, which has been cut or removed or designated for taking.

Except provided in Section 2, Purchaser shall be liable for the total purchase price even though the quantity of timber actually cut or removed or designated for taking is less than the estimated volume or quantity shown. Cutting areas are shown on the Exhibit A.

**Sale Totals (16' MBF)**

Species	Net Volume	Bid Price	Sale SubTotal
Douglas-fir	277		
Ponderosa Pine	31		
Sugar Pine	3		
<b>Sale Totals</b>	<b>311</b>		

**Unit Details (16' MB)**

**Unit     1                                  45 Acres                                  Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	214		
Ponderosa Pine	31		
Sugar Pine	3		
<b>Unit Totals</b>	<b>248</b>		

**Unit     Progeny                                  13 Acres                                  Value per Acre : \$0.00**

Species	Net Volume	Bid Price	Species Value
Douglas-fir	63		
<b>Unit Totals</b>	<b>63</b>		

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Volume Summary**

Medford  
McKnabe  
ORM07-TS-12-15

**Sale Volume Totals**

58 Acres                      0 Regen                      58 Partial                      0 R/W                      2 Units

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Net	16' MBF GM	16' MBF Gross	32' MBF Net	32' MBF GM	32' MBF Gross	CCF Net	CCF GM	CCF Gross
Douglas-fir	3,155	8,469	53	277	296	298	236	252	254	530	562	566
Ponderosa Pine	197	699	13	31	34	35	26	28	29	57	62	64
Sugar Pine	18	64	4	3	3	3	2	2	3	6	6	6
<b>Totals</b>	<b>3,370</b>	<b>9,232</b>	<b>70</b>	<b>311</b>	<b>333</b>	<b>336</b>	<b>264</b>	<b>282</b>	<b>286</b>	<b>593</b>	<b>630</b>	<b>636</b>

**Unit Totals**

Unit : 1                      45 Acres                      0 Regen                      45 Partial                      0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,588	5,776	53	231	229	214
Ponderosa Pine	197	699	13	35	34	31
Sugar Pine	18	64	4	3	3	3
<b>Unit Totals</b>	<b>1,803</b>	<b>6,539</b>	<b>70</b>	<b>269</b>	<b>266</b>	<b>248</b>

Unit : Progeny                      13 Acres                      0 Regen                      13 Partial                      0 R/W

SpeciesName	# of Trees	Merch Logs	Cull Logs	16' MBF Gross	16' MBF GM	16' MBF Net
Douglas-fir	1,567	2,693		67	67	63
<b>Unit Totals</b>	<b>1,567</b>	<b>2,693</b>		<b>67</b>	<b>67</b>	<b>63</b>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Medford  
McKnabe  
ORM07-TS-12-15

**Stump to Truck Costs**

Total (16' MBF)

Total Stump to Truck Costs	Net Volume	Cost / Net Volume
\$ 69,313.70	311	\$ 222.87

---

**Detail**

**Yarding & Loading**

Yarding System	Unit Of Measure	Units	Cost / Unit	Total Cost
Track Skidder	MBF	333	\$ 206.67	\$ 68,821.11
Subtotal				\$ 68,821.11

**Other Costs**

Explanation	Unit Of Measure	Units	Cost / Unit	Total Cost
Directional Falling	MBF	31	\$ 15.89	\$ 492.59
Subtotal				\$ 492.59

**Additional Move-Ins**

Equipment	# Move-In	Cost / Move In	Total Cost
Subtotal			



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Medford  
McKnahe  
ORM07-TS-12-15

**Other Allowances Costs**

**Total (16' MBF)**

<b>Total Other Allowances Costs</b>	<b>Net Volume</b>	<b>Cost / Net Volume *</b>	<b>Total Buy Out Cost</b>
\$6,185.50	311	\$19.89	\$0.00

**Fuels Treatment**

**Detail (16' MBF)**

<b>Cost Item</b>	<b>Total Cost</b>	<b>Cost / Net Vol *</b>	<b>Buy Out</b>	<b>Buy Out Cost</b>
Hand Pile, Cvr - Level 1	\$ 1,400.00	\$ 4.50	N	\$ 0.00
Lop and Scatter-Lvl 1	\$ 450.00	\$ 1.45	N	\$ 0.00
<b>Subtotal</b>	<b>\$ 1,850.00</b>	<b>\$ 5.95</b>		<b>\$ 0.00</b>

**Misc**

**Detail (16' MBF)**

<b>Cost Item</b>	<b>Total Cost</b>	<b>Cost / Net Vol *</b>	<b>Buy Out</b>	<b>Buy Out Cost</b>
Cover Landing Decks	\$ 385.00	\$ 1.24	N	\$ 0.00
<b>Subtotal</b>	<b>\$ 385.00</b>	<b>\$ 1.24</b>		<b>\$ 0.00</b>

**Other Costs**

**Detail (16' MBF)**

<b>Cost Item</b>	<b>Total Cost</b>	<b>Cost / Net Vol *</b>	<b>Buy Out</b>	<b>Buy Out Cost</b>
Skid Location	\$ 144.00	\$ 0.46	N	\$ 0.00
Skid Construction	\$ 900.00	\$ 2.89	N	\$ 0.00
Landing Construction	\$ 675.00	\$ 2.17	N	\$ 0.00
Landing Clean up	\$ 525.00	\$ 1.69	N	\$ 0.00
Waterbar Skids	\$ 675.00	\$ 2.17	N	\$ 0.00
Hand Seeding @ 17 lb seed per hour	\$ 373.50	\$ 1.20	N	\$ 0.00
Mulching (2 hours/5 bales)	\$ 364.00	\$ 1.17	N	\$ 0.00
Equipment Washing	\$ 144.00	\$ 0.46	N	\$ 0.00
Ripping	\$ 150.00	\$ 0.48	N	\$ 0.00
<b>Subtotal</b>	<b>\$ 3,950.50</b>	<b>\$ 12.70</b>		<b>\$ 0.00</b>

\* Cost / Net Volume has been rounded to the nearest \$0.01 Subtotals may not tie to Sale Total Cost / Net Volume.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Consolidated Comments**

Medford  
McKnabe  
ORM07-TS-12-15

---

**General**

**Yarding & Loading**

**Road Costs**

(see Engineering Appraisal for details).

**Transportation**

(see Transportation appendix for details).

**Other Allowances**

OTHER COSTS:

Skid Location: Estimate no more than 9 hours

Skid Construction: 58 acres total sale area

Landing Construction: Estimate no more than 9 hours

Landing Clean up: Estimate no more than 7 hours

Waterbar Skids: Estimate no more than 9 hours

Hand Seeding: Estimate no more than 9 hours

Mulching: Estimate no more than 7 acres

Equipment Washing: Estimate no more than 9 hours

Ripping: Estimate no More than 1 acre

FUELS TREATMENT:

Hand Pile, Cvr (0-40 piles/acre): Estimate no more than 5 acres

Lop and Scatter-Lvl 1: Estimate no more than 15 acres

MISC: Cover Landing Decks: Estimate no more than 11 acres

**Prospectus**

Douglas-fir and Ponderosa Pine cruised 3-P, Sugar Pine cruised 100%

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Summary of All Roads and Projects

T.S. Update 04/15/10

T.S. Contract Name: McKnabe Sale Date: 05/2012

Prepared by: Ph: Print Date: 3/13/2012 1:42:27 PM

Construction: 260.83 sta (Surfaced 0.00 sta Natural 260.83 sta)

Improve: 0.00 sta Renov: 0.00 sta Decom: 0.00 sta Temp: 0.00 sta

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing: 0.0 sta     Grubbing: 0.0 acres	
Slash Treatment: 0.0 acres	
300 Excavation: .....	\$0.00
Haul: 0 sta-yds	
400 Drainage: .....	\$1,500.00
Culvert: 0 lf     wt = 0 lbs	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$7,305.27
Blading 3.00 mi	
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$1,080.00
2200 Surface Treatment: 0.0 tons .....	\$0.00
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$2,483.80   Surf. \$0.00.....	\$2,483.80
Quarry Development: .....	\$0.00

Total: 311 mbf @ \$39.77/mbf = \$12,369.07

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are COMPACTED in place cubic yards.

File T:\GP-GL\Engineeering\Timber Sales 12\McKnabe\Road Cost Info\McKnabe Road Construction.mdb

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: McKnabe Sale Date: 05/2012

Road Number: 34-7-2.00A Road Name: Angora Road

Road Construction: 0.58 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$1,658.30
Blading 0.58 mi	
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$0.00
2200 Surface Treatment: 0.0 tons .....	\$0.00
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$416.67 Surf. \$0.00.....	\$416.67
Quarry Development: .....	\$0.00

Total: \$2,074.96

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: McKnabe Sale Date: 05/2012

**Road Number: 34-7-3.00A1** Road Name: Coffee Pot

Road Construction: 1.21 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$3,446.34
Blading 1.21 mi	
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$0.00
2200 Surface Treatment: 0.0 tons .....	\$0.00
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$865.94 Surf. \$0.00.....	\$865.94
Quarry Development: .....	\$0.00

Total: \$4,312.28

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: McKnabe Sale Date: 05/2012

**Road Number: 34-7-3.00A2** Road Name: Coffee Pot

Road Construction: 0.84 mi 14 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta     Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf     wt = 0 lbs     factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$1,646.89
Blading 0.49 mi	
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$0.00
2200 Surface Treatment: 0.0 tons .....	\$0.00
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$413.80 Surf. \$0.00.....	\$413.80
Quarry Development: .....	\$0.00
Total:	\$2,060.69

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: McKnabe Sale Date: 05/2012

**Road Number: 34-7-3.01A** Road Name: McKnabe Creek

Road Construction: 1.59 mi 16 ft Subgrade 3 ft ditch

T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$222.83
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$0.00
2200 Surface Treatment: 0.0 tons .....	\$0.00
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$55.99 Surf. \$0.00.....	\$55.99
Quarry Development: .....	\$0.00
Total:	\$278.81

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: McKnabe Sale Date: 05/2012

Road Number: 34-7-4.05 Road Name: Unknown

Road Construction: 0.72 mi 12 ft Subgrade 0 ft ditch T.S. Update 04/15/10

200 Clearing and Grubbing: 0.0 acres .....	\$0.00
Clearing:0.0 sta    Grubbing:0.0 acres	
Slash Treatment:0.0 acres	
300 Excavation: .....	\$0.00
400 Drainage: .....	\$1,500.00
Culvert: 0 lf    wt = 0 lbs    factor = 1.2	
DownSpout: 0 lf	
PolyPipe: 0 lf	
500 Renovation: .....	\$330.91
Blading 0.72 mi	
Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.0 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: 0.0 acres .....	\$1,080.00
2200 Surface Treatment: 0.0 tons .....	\$0.00
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$731.40 Surf. \$0.00.....	\$731.40
Quarry Development: .....	\$0.00
Total:	\$3,642.32

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Mobilization Costs - Construction and Surfacing**

T.S. Contract Name: McKnabe Sale Date: 05/2012

Average Mobilization distance = 50 miles Factor = 1.00

Mobilization: Construction

Fire Equipment:	1 ea x (1.00 x \$126.00/ea + 20 mi x \$3.36/mi)=	\$193.20
Graders-all:	1 ea x (1.00 x \$335.00/ea + 20 mi x \$11.99/mi)=	\$574.80
Rollers & Comp:	1 ea x (1.00 x \$335.00/ea + 20 mi x \$19.20/mi)=	\$719.00
RTBackhoes 24/30:	1 ea x (1.00 x \$335.00/ea + 20 mi x \$5.58/mi)=	\$446.60
Dump Truck<=10cy:	1 ea x (1.00 x \$187.00/ea + 20 mi x \$3.74/mi)=	\$261.80
Water Truck:	1 ea x (1.00 x \$206.00/ea + 20 mi x \$4.12/mi)=	\$288.40

Subtotal: \$2,483.80

Mobilization: Surfacing

Subtotal: \$0.00

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Summary of Construction Quantities**

T.S. Contract Name: McKnabe Sale Date: 05/2012

Road Number	Const	Improv	Renov	Decomm	Temp
34-7-2.00A	30.62				
34-7-3.00A1	63.89				
34-7-3.00A2	44.35				
34-7-3.01A	83.95				
34-7-4.05	38.02				

Total Sta:	260.83				
------------	--------	--	--	--	--

200 Clearing and Grubbing	Clearing stations	Grubbing acres	Slash acres
Totals:	0.00	0.0	0.0

300 Excavation	Excav C.Y.s	Haul sta-yds
Totals:	0	0

400 Drainage

Totals: No Quantities

Road Drainage		
34-7-4.05	Reshape Waterdip and Outfall Ditch . . . . .	5 EA
34-7-4.05	Construct Waterdip and Outfall Ditch . . . . .	2 EA

500 Renovation	Miles	Slide cy
34-7-2.00A	0.58	0
34-7-3.00A1	1.21	0
34-7-3.00A2	0.49	0
34-7-4.05	0.72	0
Totals:	3.00	0

Surfacing (Cubic Yards)				
Totals:	0	0	0	0

1300 Geotextiles

Totals: No Quantities

1400 Slope Protection	
Totals:	0

1800 Soil stabilization - acres	Dry W/O Mulch	Dry/with Mulch	Hydro Mulch

Continuation of Construction Quantities

Totals: 0.0 0.0 0.0

1900 Cattleguards

Totals: No Quantities

2100 RoadSide Brushing acres

Totals: 0.0

Roadside Brushing

34-7-4.05 Cut and Chip . . . . . 0.72 Mile

2200 Surface Treatment tons L.F.

Totals: No Quantities

2300 Engineering stations

Totals: 0.00

2400 Minor Concrete

Totals: No Quantities

2500 Gabions

Totals: No Quantities

8000 Miscellaneous

Totals: No Quantities

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ROAD MAINTENANCE AND ROAD USE APPRAISAL WORK SHEET

Summary of Costs

1. Road Use - Amortization: (1)      \$0.00/311 MBF = \$0.00/MBF 1/  
(RC-3 & RC-3a)      (Tot Sale Vol)

2. Road Maintenance Obligation:

\$0.00 (2.1)	+	\$0.00 (3.1)	+	\$0.00 (4.1)	+	\$0.00 (5.1)	=	\$0.00 (RC-2c)
-----------------	---	-----------------	---	-----------------	---	-----------------	---	-------------------

3. Rockwear Obligation:

\$0.00 (4.2)	+	\$0.00 (5.2)	+	\$669.33 (7.1)	+	\$0.00 (7.2)	=	\$669.33 (RC-2g)
-----------------	---	-----------------	---	-------------------	---	-----------------	---	---------------------

4. Other Maintenance Payments:

	Total (6)	=	\$0.00 (RC-3a)
--	-----------	---	-------------------

5. Purchaser Maintenance Allowances:

(7.3A) Move In . . . . .	\$1090.00
(7.3B) Culverts, Catch Basins, Downspouts . . . . .	\$146.23
(7.3C) Grading, Ditching . . . . .	\$306.40
(7.3D) Slide Removal and Slump Repair . . . . .	\$307.55
(7.3E) Dust Palliative (Water) . . . . .	\$1111.46
(7.3F) Surface Repair (Aggregate) . . . . .	\$0.00
(7.3G) Dust Palliative (Bituminous, Lignin, MgCl) . . .	\$0.00
(7.3H) Other . . . . .	\$0.00

	Total (7.3)	=	\$2961.64 (RC-2a & Ex D)
--	-------------	---	-----------------------------

(2+3+4+5)      Total      =      \$3,630.97/311 MBF      =      \$11.68/MBF 1/  
(Total Sale Vol)

Costs are estimates only and do not include Profit and Risk.

1/ Enter on Timber Sale Summary Form OSO 5420-1.

OR110-9113-1

File T:\GP-GL\Engineeering\Timber Sales 2012\McKnabe\Road Cost Info\McKnabe Road Maintenance.mdc

1. Road Use Fees - Amortization

R/W		Rd Use	Vol	Road Use
Number	Road Number	Fee x	MBF	= Obligation

(1) Subtotal

2. BLM Maintenance - Timber Haul 1/ 2/ 3/ 4/ 5/

Road Number	A Surf	Maint	Vol	Total
and Segment	N Type	Mi x	Fee x	MBF = Maint

(2.1) Subtotal

- 1/ Enter list of roads in Sec. 41(RC-2).  
 2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.  
 3/ Include lump sum logging damage repair (see Ex. D, Subsection 3108a Option F & 3401a).

3. BLM Maintenance - Rock Haul 1/ 2/ 3/

Road Number	A Surf	Maint	Vol	Total
and Segment	N Type	Mi x	Fee x	C.Y. = Maint

(3.1) Subtotal

- 1/ Enter list of roads in Section 41(RC-2).  
 2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.  
 3/ Include lump sum logging damage repair (See Ex. D, Subsection 3108a Option F & 3401a).

4. Third Party Maintenance and Rockwear - Timber Haul 1/

MAINTENANCE (4.1)						ROCKWEAR (4.2) 2/ 3/		
Road Number	A	Maint	Vol	Total	Rkwear	Vol	Total	
and Segment	N	Mi x	Fee x	MBF = Maint	Mi x	Fee x	MBF = Rkwear	

(4.1) Subtotal (4.2) Subtotal

- 1/ Enter list of roads in Sec. 41(RC-2).  
 2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.  
 3/ Include lump sum logging damage repair (see Ex. D, Subsection 3108a Option F & 3401a).

5. Third Party Maintenance and Rockwear - Rock Haul 1/

MAINTENANCE (5.1)						ROCKWEAR (5.2) 2/ 3/		
Road Number	A	Maint	Vol	Total	Rkwear	Vol	Total	
and Segment	N	Mi x	Fee x	C.Y. = Maint	Mi x	Fee x	C.Y. = Rkwear	

(5.1) Subtotal (5.2) Subtotal

- 1/ Enter list of roads in Sec. 41(RC-2).  
 2/ Rockwear is included in fee as a maintenance cost for BLM maintained roads.  
 3/ Include lump sum logging damage repair (see Ex. D, Subsection 3108a Option F & 3401a).

6. Other Maintenance Payments - USFS or Others Perform Maintenance

Agreement	Fee	Fee	Vol	Maint
Number	Road Number	MBF/Mi x	Mi = /MBF x	Hauled = Cost

(6) Subtotal

7. Purchaser Maintenance - Rock Wear

TIMBER HAUL (7.1)

ROCK HAUL (7.2) 2/ 3/

Road No 1/ and Segment	A	RkWear		Vol	Total	RkWear		Vol	Total
	N	Mi	x Fee	x MBF	= RkWear	Mi	x Fee	x C.Y.	= RkWear
34-7-2.0A	A	0.58	0.51	311	\$91.99				
34-7-3.0A1	A	1.21	0.51	311	\$191.92				
34-7-3.0A2	A	0.84	0.51	311	\$133.23				
34-7-3.1A	A	1.59	0.51	311	\$252.19				

(7.1) Subtotal \$669.33

(7.2) Subtotal \$0.00

- 1/ List all purchaser maintained roads and enter list in Section 41(RC-2a). Don't repeat any BLM maintained roads listed on appraisal. List may include new const. roads without fees.  
 2/ All surfaced roads have a rockwear fee, except no rockwear fee is charged for rock haul on roads surfaced or resurfaced under this timber sale.  
 3/ Include lump sum logging damage repair (See Ex. D, Subsection 3108a Option F & 3401a).

7. Purchaser Operational Maintenance

Cost allowances must be limited to work required under timber sale Exhibit D.  
 If purchaser maint. such as dust control/damage repair is performed on BLM maint. roads, add appropriate mandatory Ex. D provisions, RC-2a and RC-2h stips. Note in prospectus.

7.3A Move In

Equipment 1/	No	Move	Cost/	Dist	Sub-
	Units	x in	50 Mi	x Factor	total
Motor Grader:	1	1	\$335.00	1.00	\$335.00
Back Hoe:	1	1	\$335.00	1.00	\$335.00
Loader:			\$335.00	0.59	\$0.00
Water Truck:	1	1	\$206.00	1.00	\$206.00
Dump Truck 2/:	1	1	\$214.00	1.00	\$214.00

(7.3A) Total \$1090.00

- 1/ Equipment limited to that allowed in Exhibit D. Refer to Sch. 20 Table 2.  
 2/ Dump truck is allowable for surface repair only.

7.3B Culvert Maintenance - Including Catchbasins and Downpipes 1/

Miles	x	Cost/Mi	=	Subtotal
0.50		292.45		\$146.23

(7.3B) Total \$146.23

- 1/ Does not include purchase or installation of culvert pipe. Refer to Sch. 20 Table 32.

7.3C Grading (Includes Ditches and Shoulders) 1/

	Miles	x	Cost/Mi	x Freq	= Subtotal
Blade Road:	0.50		459.60	1	\$229.80
Blade Ditch:	0.50		153.20	1	\$76.60

(7.3C) Total \$306.40

- 1/ Watch for double allowance on roadway preparation for dust palliative application.

7.3D Slide and Slough removal, Slump Repair (15 sta-yds. ea.) 1/

Type	No Slides	Hours	Equip	
Equipment	/Slumps	x Each	x Cost	= Subtotal
Grader:	1	1	119.90	\$119.90
Loader:	0	0	84.43	\$0.00
Backhoe:	1	3	62.55	\$187.65

(7.3D) Total \$307.55

1/ Maximum haul is 15 sta. yds. Use grader or front end loader only. Dump truck not allowed in specifications. Refer to Sch. 20 Table 28.

### 7.3E Dust Palliative (Water) 1/

#### Spreading Hours

Miles	/	MPH	=	Hours	x	No Days	x	Freq /Day	=	Truck Hours
1.25		5		0.3		45		1		13.5
Load & Haul-Roundtrip =				0.0		0		0		0.0
Fixed Hours (3000 Gal. tanker)										
				Total Hours = 13.5						

Truck Cost: \$82.33/Hr. x 13.5 Hours = \$1111.46

(7.3E) Total \$1111.46

1/ Allow water for all BLM maint. non-oiled roads. Subsection 3403 requires 0.50 gal/syd.

### 7.3F Surface Repair (Aggregate)

Production Cost: 1/	0 C.Y. x \$0.00/C.Y.	=	\$0.00
Haul to Stockpile:	0 C.Y. x \$2.18/C.Y. x 0.00 Mi	=	\$0.00
Stockpile:	0 C.Y. x \$1.18/C.Y.	=	\$0.00
Load from Stockpile:	0 C.Y. x \$1.30/C.Y.	=	\$0.00
Haul from Stockpile:	0 C.Y. x \$2.18/C.Y. x 0.00 Mi	=	\$0.00
Process with Grader:	0 C.Y. x \$1.00/C.Y.	=	\$0.00

(7.3F) Total \$0.00

1/ Use unit cost from Road Construction Cost Guide.

### 7.3G Dust Palliative (Bituminous, Lignin, Magnesium Chloride)

(7.3G) Total

### 7.3H Other

Fallen Timber Cutting: 1/	0.0 Hours x \$0.00/Hour =	\$0.00
Brush Cutting/Tree Trimming: 2/	0.0 Hours x \$0.00/Hour =	\$0.00
Oil/Asphalt Materials: 3/	Lump Sum =	\$0.00
Signing for Dust Palliatives: 4/	Lump Sum =	\$0.00
Misc. L.S. =		\$0.00

(7.3H) Total \$0.00

- 1/ Exhibit D Subsection 3104.
- 2/ Exhibit D Subsection 3107.
- 3/ Exhibit D Subsection 3401a.
- 4/ Exhibit D Subsection 3405b.





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEPOSIT AND BID FOR ☒ **TIMBER\***  
☐ **VEGETATIVE RESOURCE**  
(Other Than Timber)

LUMP SUM SALE

Name of Bidder
Tract Number ORM07-TS-12-15
Sale Name McKnabe
Sale Notice (dated) 05/317/2012
BLM District Medford

<input type="checkbox"/> Sealed Bid for Sealed Bid Sale	<input checked="" type="checkbox"/> Written Bid for Oral Auction Sale
---	---

In response to the above dated Sale Notice, the required deposit and bid are hereby submitted for the purchase of designated timber/vegetative resource on the tract specified above.

Required bid deposited is **\$1,600.00** and is enclosed in the form of ☐ cash ☐ money order ☐ bank draft ☐ cashier's check ☐ certified check ☐ bid bond of corporate surety on approved list of the United States Treasury ☐ guaranteed remittance approved by the authorized officer.

IT IS AGREED That the bid deposit shall be retained by the United States as liquidated damages if the bid is accepted and the undersigned fails to execute and return the contract, together with any required performance bond and any required payment within 30 days after the contract is received by the successful bidder. It is understood that no bid for less than the appraised price on a unit basis per species will be considered. If the bid is rejected the deposit will be returned.

**BID SCHEDULE – LUMP SUM SALE**

*NOTE: Bidders should carefully check computations in completing the Bid Schedule*

BID SUBMITTED					ORAL BID MADE	
PRODUCT SPECIES	UNIT	ESTIMATED VOLUME OR QUANTITY	UNIT PRICE	TOTAL VALUE	UNIT PRICE	TOTAL VALUE
Douglas-fir	MBF	277	X	=	X	=
Ponderosa pine	MBF	31	X	=	X	=
Sugar pine	MBF	3	X	=	X	=
<b>Total</b>		<b>311</b>	X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
			X	=	X	=
TOTAL PURCHASE PRICE						

(Continued on reverse)

If sale contract is executed, undersigned is liable for total purchase price even though the quantity cut, removed, or designated for taking is more or less than the total estimated volume or quantity shown above. Undersigned certifies bid was arrived at by bidder or offeror independently, and was tendered without collusion with any other bidder or offeror. In submitting or confirming this bid, undersigned agrees to the foregoing provisions, applicable regulations, and certifies that he is authorized to act as, or on behalf of, the bidder.

Bid submitted on *(date)*

*(Check appropriate box, sign in ink, and complete the following)*

<input type="checkbox"/>	Signature, if firm is individually owned	Name of firm <i>(type or print)</i>
<input type="checkbox"/>	Signatures, if firm is a partnership or L.L.C.	Business address, include zip code <i>(type or print)</i>
<input type="checkbox"/>	Corporation organized under the state laws of	<i>(To be completed following oral bidding)</i>
	Signature of Authorized Corporate Signing Officer	I HEREBY confirm the above oral bid By <i>(signature)</i>
	Title	Date
Submit bid, in <i>duplicate</i> , to qualify for either an oral auction or sealed bid sale together with the required bid deposit made payable to the Department of the Interior – BLM.  Oral Auction – Submit to Sales Supervisor prior to closing of qualifying period for tract.		Sealed Bid – Send to District Manager, who issued the sale notice, in a sealed envelope marked on the outside: (1) “Bid for Timber” (2) Vegetative Resource Other Than Timber (3) Time bids are to be opened (4) Legal description

## NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 38 FR 6280 and 43 CFR 5442.1

**PURPOSE:** To qualify an oral auction bidder, and then if successful, to bind bidder to certain contract conditions.

**ROUTINE USE:** To determine that an individual is qualified to participate in oral auction bidding, and, as surety that bidder will fulfill contract requirements.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing this deposit and bid information is necessary only when an individual wishes to participate in a sealed or auction bid sale for timber or vegetative resources.

## INSTRUCTIONS TO BIDDERS

1. **AUTHORITY** – Timber located on the revested Oregon and California Railroad Grant Lands and on the reconveyed Coos Bay Wagon Road Grant Lands is administered and sold pursuant to authority of the Act of August 28, 1937 (50 Stat. 874; 43 U.S.C. 1181a); timber located on other lands and other vegetative resources on all public lands of the United States under jurisdiction of the Bureau of Land Management are administered and sold pursuant to authority of the Act of July 31, 1947 (61 Stat. 681), as amended, by the Act of July 23, 1955 (69 Stat. 367; 30 U.S.C. 601 et. seq.). Regulations of the Secretary of the Interior governing sale of timber are codified in 43 CFR Group 5400.

2. **QUALIFICATIONS OF BIDDERS** – A bidder for sale of timber/vegetative resources must be either (a) a citizen of the United States, (b) a partnership composed wholly of such citizens, (c) an unincorporated association composed wholly of such citizens, or (d) a corporation authorized to transact business in the State in which the timber/vegetative resource is located.

3. **INSPECTION OF TIMBER/VEGETATIVE RESOURCES** – Bidder is invited, urged, and cautioned to inspect the timber/vegetative resource prior to submitting a bid. By executing the timber/vegetative resource sale contract, bidder warrants that the contract is accepted on the basis of his examination and inspection of the timber/vegetative resource and his opinion of its value.

4. **DISCLAIMER OF WARRANTY** – Government expressly disclaims any warranty of the fitness of the designated timber/vegetative resource for any purpose of the bidder; all timber/vegetative resources are to be sold “As Is” without any warranty of merchantability by Government. Any warranty as to the quantity or quality of timber/vegetative resource to be sold is expressly disclaimed by Government.

5. **BIDS** – Sealed or written bids for not less than the advertised appraised price, per timber/vegetative resource must be submitted in duplicate to the District Manager who issued *Timber/Vegetative Resource Sale Notice*.

(a) **Sealed Bid Sales** – Bids will be received until time for opening which is set out in the Notice. Enclose both copies of bid with required bid deposit in a sealed envelope marked on the outside *Bid for Timber/Vegetative Resource*, time bid is to be opened, tract number, and legal description of land on which timber/vegetative resource is located. In event of a tie, the high bidder shall be determined by lot from among those who submitted the tie bids.

(b) **Auction Sales** – Submission of the required bid deposit and a written bid is required to qualify for oral bidding. Oral bidding shall begin from the highest written bid. No oral bid will be considered which is not higher than the preceding bid. In the event there is a tie in high written bids, and no oral bidding occurs, the bidder who was the first to submit his bid deposit and written bid shall be declared the high bidder. If the officer conducting the sale cannot determine who made the first submission of high tie written bids, the high bidder shall be determined by lot. High bidder must confirm his bid, in writing, immediately upon being declared high bidder.

(c) Except as otherwise provided in 43 CFR 5442.2, bids will not be considered in resale of timber/vegetative resource remaining from an uncompleted contract from any person or affiliate of such person who failed to complete the original contract because of (1) cancellation for the purchaser's breach or (2) through failure to complete payment by expiration date.

(d) When it is in the interest of the Government to do so, it may reject any and all bids and may waive minor deficiencies in bids or in sale advertisement.

6. **BID FORMS** – All sealed, written bids, and confirmation of oral bids shall be submitted on forms provided by Government.

(a) **Lump Sum Sales** – Bids shall specify (1) Bureau of Land Management estimated volume, (2) price per unit, and (3) total purchase price. Estimated volume and price per unit are to be used for administrative and appraisal purposes only. Upon award of contract, high bidder shall be liable for total purchase price, including any adjustment which may be made as a result of reappraisal if an extension of time is granted, even though quantity of timber/vegetative resource actually cut, removed, or designated for taking is more or less than the estimated volume or quantity listed.

(b) **Timber Scale Sales** – Bids must state price per thousand board feet that will be paid for each species. High bidder will be determined by multiplying bid price per thousand board feet per species by Bureau of Land Management estimate of volume of each species. Purchaser shall be liable for purchase price of all merchantable timber sold under contract even though all such timber is not actually cut

and removed prior to expiration of time for cutting and removal as specified in contract.\*

7. **BID DEPOSIT** – All bidders must make a deposit of not less than the amount specified in the *Timber/Vegetative Resource Notice*. Deposit may be in the form of cash, money orders, bank drafts, cashiers or certified checks made payable to the Department of the Interior – BLM, bid bonds of a corporate surety shown on the approved list of the United States Treasury Department\*, or any approved guaranteed remittance approved by the Authorized Officer. Upon conclusion of bidding, the bid deposit of all bidders, except high bidder, will be returned. The cash deposit of the successful bidder may be applied toward the required sale deposit and/or the purchase price. Cash not applied to the sale deposit or the purchase price, or a corporate surety bid bond, will be returned at the time the contract is signed by the Government.

8. **AWARD OF CONTRACT** – Government may require high bidder to furnish such information as is necessary to determine the ability of bidder to perform the obligation of contract. Contract will be awarded to high bidder, unless he is not qualified or responsible or unless all bids are rejected. If high bidder is not qualified or responsible or fails to sign and return the contract together with required performance bond and any required payment, contract may be offered and awarded to the highest bidders qualified, responsible, and willing to accept the contract.

9. **TIMBER/VEGETATIVE RESOURCE SALE CONTRACT** – To be executed by purchaser, has been prepared by Government, and may be examined in the District Manager's office.

### 10. PERFORMANCE BOND -

(a) A performance bond in an amount of not less than 20 percent of total purchase price is required, but the amount of the bond shall not be in excess of \$500,000, except when the purchaser opts to increase the minimum bond to permit cutting prior to payment as provided in 43 CFR 5451.2, or in the event the purchaser is a holder of an unresolved default the bond may be increased as provided in 43 CFR 5450.1(b). Performance bond may be (1) bond of a corporate surety shown on approval list issued by the United States Treasury Department and executed on an approved standard form, (2) personal surety bond executed on an approved standard form if Government determines principals and bondsman are capable of carrying out the terms of the contract, (3) cash bonds, (4) negotiable securities of the United States, or (5) any guaranteed remittance approved by the Authorized Officer.

(b) If purchaser elects to cut timber without skidding or yarding it to a loading point or removing it prior to the payment of the second or subsequent installments, Government shall require an increase in amount of performance bond initially required by an amount equal to the value of timber to be cut. Such increase must be on a bond rider form supplied by Government and be approved, in writing, by Government prior to cutting timber covered by the bond increase. This increased amount of bond shall be used to assure payment for timber cut in advance of payment.\*

11. **PAYMENT BOND** – If purchaser elects to (a) cut and remove timber, or (b) remove timber already cut which has been secured by an increased performance bond as provided in paragraph 10(b) above, before payment of the second or subsequent installments, Government shall require a payment bond on a form supplied by Government. Purchaser shall obtain written approval from Government of payment bond prior to cutting and/or removal of timber covered by the bond. Payment bond shall be used to assure payment for timber cut and/or removed in advance of payment.\*

12. **PAYMENT OF PURCHASE PRICE** – For sales of \$500 or more, Government may allow payment by installments. Except as discussed in paragraphs 10 and 11 above, no part of any timber/vegetative resource sold may be severed, cut, or removed unless advance payment has been made as provided in contract.

13. **LIQUIDATED DAMAGES** – Within thirty (30) days from receipt of *Timber/Vegetative Resource Sale Contract*, the successful bidder shall sign contract and return it to Government, together with required bond and any required payment. If successful bidder fails to comply within the stipulated time, his bid deposit shall be retained by Government as liquidated damages.

14. **NINETY-DAY SALES** – If no bid is received within time specified in the advertisement of sale and if Government determines that there has been no significant rise in the market value of timber/vegetative resource, it may, in its discretion, keep the sale open, not to exceed ninety (90) days.

\*Applies to Timber Only

15. **UNAUTHORIZED USE OF GOVERNMENT PROPERTY** – A sale may be refused to high bidder who has been notified that he has failed to make satisfactory arrangements for payment of damages resulting from unauthorized use of, or injury to, property of the United States.

16. **EQUAL OPPORTUNITY CLAUSE** – This contract is subject to the provisions of Executive Order No. 11246 of September 24, 1965, as amended, which sets forth the nondiscrimination clauses. Copies of this order may be obtained from the District Manager. 43 CFR 60-1.7(b) requires that the Equal Opportunity *Compliance Report Certification* will be completed by prospective contractors. Certification may be obtained from District Manager.

17. **LOG EXPORT** – All timber offered for sale except as noted in the *Timber Sale Notice* is restricted from export from the United States in the form of unprocessed timber and cannot be used as a substitute for exported private timber. For the purpose of this contract, unprocessed timber is defined as: (1) any logs except those of utility grade or below, such as sawlogs, peeler logs, and pulp logs; (2) cants or squares to be subsequently remanufactured exceeding eight and three quarters (8-3/4) inches in thickness; (3) split or round bolts or other roundwood not processed to standards and specifications suitable for end product use; or (4) western

red cedar lumber which does not meet lumber of American Lumber Standards Grades of Number 3 dimension or better, or Pacific Lumber Inspection Bureau R-List Grades of Number 3 common or better. Timber manufactured into the following will be considered processed: (1) lumber and construction timbers, regardless of size, manufactured to standards and specifications suitable for end product uses; (2) chips, pulp and pulp products; (3) green or dry veneer and plywood; (4) poles and piling cut or treated for use as such; (5) cants, squares, and lumber cut for remanufacture of eight and three quarters (8-3/4) inches in thickness or less; or (6) shakes and shingles. In event purchaser wishes to sell any or all of timber restricted from export in the form of unprocessed timber, the buyer, exchanges, or recipient shall be required to comply with contractual provisions relating to “*unprocessed timber*”. Special reporting, branding and painting of logs may be included in contract provisions.\*

18. **DETAILED INFORMATION** – Detailed information concerning contract provisions, bid, performance bond forms, tract location maps, and access conditions may be obtained from the District Manager. All persons interested in bidding on the products listed are encouraged to familiarize themselves with all such detailed information.