

P r o s p e c t u s

THIS IS A DESIGNATION BY DESCRIPTION SCALE SALE

GLENDALÉ RESOURCE AREA
JOSEPHINE MASTER UNIT

Medford Sale # OR110-TS 10-13
August 26, 2010 (LLS)

#1. Mini Mule, Curry County, O&C

BID DEPOSIT REQUIRED: \$18,300.00

All timber designated for cutting in E1/2SW1/4 Section 16, S1/2NE1/4, NE1/4SW1/4, S1/2SW1/4, NW1/4SE1/4 Section 17, Lot2, SW1/4NE1/4, NE1/4SE1/4, S1/2SE1/4 Section 19, N1/2NW1/4, SW1/4NW1/4, W1/2SW1/4, SE1/4SE1/4 Section 20, SE1/4NE1/4, E1/2SW1/4, SE1/4SW1/4, SE1/4 Section 21, NW1/4NE1/4, N1/2NW1/4, SW1/4NW1/4 Section 28, N1/2 Section 29, Lot 1, NW1/4NE1/4, SE1/4NE1/4 Section 30, NE1/4SW1/4, S1/2SW1/4, SW1/4SE1/4 Section 32, T. 32 S., R. 9 W., 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 |
|--------------------------------------|----------------------------------|-----------------------|---------------|----------------------------------|----------------------------|--|
| 22,530 | 1,596 | 3,820 | Douglas fir | 1,927 | \$94.80 | \$182,679.60 |
| 22,530 | 1,596 | 3,820 | Totals | 1,927 | | \$182,679.60 |

*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.

TIMBER AUCTION LOCATION – The timber auction will be held at the Grants Pass Interagency Office, located at 2164 NE Spalding Ave., Grants Pass, Oregon, at 9:00 a.m. on Thursday, August 26, 2010.

CRUISE INFORMATION - The Douglas-fir has been cruised using the PCMTRE 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.

With respect to merchantable trees of all conifer species: the average tree is 11.7 inches DBHOB; the average gross merchantable log contains 34 bd. ft.; the total gross volume is approximately 2074 M bd. ft; and 93% recovery is expected. (Average DF is 11.7 inches DBHOB; average gross merchantable log DF contains 34 bd. ft.)

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.

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 – Ten units containing 191 acres of Commercial Thinning.

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

ACCESS - Access to the sale area is available via a public road through the contract area; an existing BLM road.

ROAD MAINTENANCE – The Purchaser will be required to maintain 19.35 miles of existing BLM roads. BLM will maintain 41.22 miles of the 30-6-32.0d, 31-9-35.0, 32-8-1.1a-c, 32-8-9.2a-b, 32-8-31.0a3-c, 32-9-14.2a, and 33-7-2.0a-c roads. The Purchaser will be required to pay a road maintenance fee of \$0.31 per MBF per mile for the use of 30-6-32.0d, 32-8-1.1a, and 33-7-2.0 a-c roads and a road maintenance fee of \$0.46 per MBF per mile for the use of all other BST roads. The Purchaser will be required to pay a road rockwear fee of \$0.46 per MBF per mile for the use of all rocked roads.

ROAD CONSTRUCTION – There is no road construction in the contract.

SOIL DAMAGE PREVENTION - Pursuant to Section 25 of Form 5450-3, Timber Sale Contract, the Purchaser shall limit yarding in Units 29-2, 30-1, 30-2, 30-4, and 20-2 from May 15th thru Oct 15th. Tractor logging in all units will not occur when soil moisture at a depth of 4-6 inches is wet enough to maintain form when compressed, or when soil moisture at the surface would readily displace, causing ribbons and ruts along equipment tracks. Existing skid trails will be used when feasible, and operational skid trails will be ripped and waterbarred.

EQUIPMENT REQUIREMENTS - A 30 foot tower and 650 foot cable capacity; lateral yarding capability of 75 feet, with one end suspension of logs during inhaul, and capable of multi-span. Yarding tractor will not exceed nine (9) feet in width and must be capable of bull-lining 75ft. A minimum 200 flywheel horsepower tractor with mounted rippers no more than 36" apart and capable of ripping to a depth of 18" will be required for decommissioning skidtrails. Purchaser must take measures to protect road asphalt accessing unit 16-1.

SLASH DISPOSAL - Slash disposal will consist of one hundred eighty three(183) acres of lop and scatter; and eight (8) acres of machine pile (treating 20ft around each pile), cover and burn all landing decks.

CONTRACT TERMINATION - A revised 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:

1. Comply with the Endangered Species Act, or;
2. Comply with a court order, or;

3. Protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the (district name) District Record of Decision (ROD) and Resource Management Plan (RMP), or;
4. Protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and 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. **All leave trees will be selected by the Purchaser through Designation by Description (DxD) criteria as outlined in Exhibit E.**
3. An informational field trip to explain Designation by Description (DxD) as outlined in Exhibit E will be held on Wednesday August 11, 2010 at 8 am. The field trip will depart from the Grants Pass Interagency Office, 2164 NE Spalding Ave., Grants Pass, Oregon 97526. If attending, please contact Sarah Queen-Foster at (541) 471-6624 by Monday August 9, 2010.
3. Volume and calculation of value will be based solely on 100% scale.
4. This contract contains provisions (L-24) requiring that prior to falling and removal of any trees the Purchaser shall conduct a sample mark within each harvest unit. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer the Purchaser may proceed with falling and removal operations.
5. Within Riparian Reserves, skid trails would be discontinuously subsoiled with winged ripper teeth, seeded, water-barred, mulched, and blocked during dry soil conditions upon completion of current harvest.
6. Hauling on rocky roads that are hydrologically connected would not occur under wet conditions. Wet road conditions are considered to result in: continuous mud splash or tire slide, fines being pumped through road surfacing from the subgrade, road drainage causing a visible increase in stream turbidities, surface rutting, or any condition that would result in being chronically routed into tire tracks or away from designed road drainage during precipitation events. (Includes all units except 16-1).
7. This contract contains a provision, (L-25), for the sale and removal of additional timber necessary to facilitate safe and efficient Purchaser operations. The provision includes: The designation and sale of additional timber, such as skid, corridor and guyline trees, at contract price, as necessary to facilitate safe and efficient logging. Such trees may be felled and removed when they are painted by the Authorized Officer; Sale of additional timber volume at current fair market value where the species of trees are not representative of the forest stands being thinned; Government reservation of trees previously marked for cutting (replacement) when the Authorized Officer determines that it is necessary in order to maintain stand densities consistent with objectives set forth in management prescriptions; The use of unilateral modifications executed by BLM for such

additional (replacement) timber; Revocation of the Purchaser's right to cut additional timber if the Authorized Officer determines that trees have been cut and removed that were not previously marked and approved for cutting and removal by the Authorized Officer.

NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA – From I-5 take Glendale exit 80, proceed down Glendale Valley Road (Hwy. 313) toward Glendale. Turn right onto Azalea-Glen Road, then turn left onto Highway 27 (Reuben Road). Proceed for 15 miles and take a left onto Cow Creek Road. Follow Cow Creek Road for 0.2 miles and turn left onto West Fork Road, which will become BLM Road 32-8-1.1. Follow BLM Road 32-8-1.1 for 10.2 miles and turn left onto BLM Road 31-9-35 (Walker Prairie Road). Follow this road for 4.5 miles and you will arrive at Anaktuvuk Saddle. All units can be accessed from this saddle and adjoining road systems.

ENVIRONMENTAL ASSESSMENT - An environmental assessment (DOI-BLM-M080-2010-001-EA) 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 Grants Pass Interagency Office.

OR110-TS10-13

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|  | Restricted Period |
|  | Restricted To Dry Condition |
|  | Restricted To Dry Condition Waiver Required |

** In-stream work periods for culvert cleaning are June 15th- September 15th

Dry Condition Hauling= Loading, hauling, or road maintenance would not occur during wet road conditions which are considered to result in: continuous mud splash or tire slide, fines being pumped through road surfacing from the subgrade, road drainage causing a visible increase in stream turbidities, surface rutting, or any condition that would result in water being chronically routed into tire tracks or away from designed road drainage during precipitation events.

Dry Condition Yarding= Tractor skidding would not occur when soil moisture at a depth of 4-6 inches is wet enough to maintain form when compressed, or when soil moisture at the surface would readily displace, causing ribbons and ruts along equipment tracks. These conditions are generally found when soil moisture, at a depth of 4-10 inches, and between 15-25% depending on soil type.

[illegible]

MINI MULE TIMBER SALE
SPECIAL PROVISIONS

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.

- (1) 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).
- (2) IR-6 All leave trees required to meet the Selection Criteria as outlined in Exhibit E, within harvest areas as shown on Exhibit A.

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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.

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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.

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(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 (3) 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-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>CABLE UNITS</u> 20-3, 21-2, 21-3, 21-4, 28-3, 29-1, 30-4 | Whole tree yarding or yarding with tops attached to the last log is required in all cable units. Delivered log length not to exceed forty-one (41) feet. Yarding will be done with a cable yarding system which will suspend one end of the log clear of the ground during inhaul on the yarding corridor. A carriage is required which will maintain a fixed position on the skyline during lateral yarding and has a minimum lateral yarding capability of seventy-five (75) feet. Yarding corridors will be perpendicular to the contours. Prior to applying the Selection Criteria outlined in Exhibit E and/or falling any timber in the unit, all yarding corridors, tail/lift trees, and/or intermediate support trees shall be pre-designated and approved by the Authorized Officer. Yarding corridor widths shall not exceed six (6) feet either side of the skyline centerline. |

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| Designated Area | Yarding Requirements or Limitations |
|--|--|
| <u>CABLE UNITS</u> 20-3, 21-2, 21-3, 21-4, 28-3, 29-1, 30-4 | <p>Yarding corridors will be approximately one hundred fifty (150) feet apart, measured at the tailholds, and shall be approved by the Authorized Officer.</p> <p>Landing size shall not exceed one-quarter (1/4) acre, be located along existing roads and shall be approved by the Authorized Officer.</p> <p>Directional falling to lead and away from riparian reserves is required.</p> |

| Designated Area | Yarding Requirements or Limitations |
|--|---|
| <u>TRACTOR UNITS</u> 16-1, 17-1, 17-2, 19-3, 20-2, 20-4, 21-2, 21-3, 28-3, 29-1, 29-2, 30-1, 30-2, 30-4, 32-2 | <p>Whole tree yarding or yarding with tops attached to the last log is required in all tractor units. Delivered log length not to exceed forty-one (41) feet.</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 ten (10) feet on average per unit.</p> <p>Existing Skid roads will be used when possible. New skid roads will be placed at least one hundred (100) feet apart where topography will allow. Prior to applying the Selection Criteria outlined in Exhibit E and/or falling any timber in the unit, all new skid roads will be pre-designated and approved by the Authorized Officer. 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.</p> <p>Existing fire trails in units 19-3, and 30-1 may be used as skid trails, as shown on Exhibit A.</p> |

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| Designated Area | Yarding Requirements or Limitations |
|--|---|
| <u>TRACTOR UNITS</u> 16-1, 17-1, 17-2, 19-3, 20-2, 20-4, 21-2, 21-3, 28-3, 29-1, 29-2, 30-1, 30-2, 30-4, 32-2 | Yarding tractors will operate only on tractor skid roads approved by the Authorized Officer. Landing size shall not exceed one-quarter (1/4) acre, be located along existing roads and shall be approved by the Authorized Officer. Directional falling to lead and away from riparian reserves will be required. |

- (4) L-18 No logging operations shall be conducted on units 20-2, 29-2, 30-1, 30-2, and 30-4 between October 15th of one calendar year and May 15th of the following calendar year, both days inclusive.
- (5) L-18 No Tractor logging shall be conducted on units 16-1, 17-1, 17-2, 19-3, 20-4, 21-2, 21-3, 28-3, 29-1, and 32-2 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 4-6" 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.
- (6) L-18 No hauling, loading, or maintenance shall be conducted on hydrological connected haul routes (all units except 16-1) between October 15th of one calendar year and May 15th of the following calendar year, both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If moisture conditions on the road are deemed acceptable and do not result in continuous mud splash or tire slide, fines being pumped through road surfacing from the subgrade, road drainage causing a visible increase in stream turbidities, surface rutting, or any condition that would result in water being chronically routed into tire tracks or away from designed road drainage during precipitation events, Contracting Officer may approve a conditional waiver. If moisture conditions on the road resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (7) L-20 During logging operations, the Purchaser shall keep the Kelsey-Mule road (32-8-31) and the Marial road (32-9-14.2), where it passes through the contract

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area, clear of trees, rock, dirt, and other debris so far as is practicable. The road shall not be blocked by such operations for more than thirty (30) minutes.

- (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 prework 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-24 Prior to falling and removal of any trees the Purchaser shall conduct a sample mark as shown and outlined in Exhibit E. Sample area size shall be approximately one-half (½) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer, the Purchaser may proceed with operations.
- (10) L-25 Before cutting and removing any trees necessary to facilitate logging in all harvest units shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, intermediate support, and danger 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 with cutting 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,

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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 Section. 9 of the contract; or, the Authorized Officer determines that Incense Cedar trees otherwise reserved in Section 40 of the contract or any tree that exceeds thirty (30) inches diameter at breast height shall be appraised and sold by bilateral modification of the contract at current fair market value in accordance with Section 8 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 Section 8 or Section 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.

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- (f) The Government may reserve trees previously designated for cutting and removal by applying orange paint as replacements for additional trees cut and removed for skid roads and/or cable yarding roads when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescription(s). The volume of this timber to be reserved will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and the value shall be based on the unit prices shown in Exhibit B of the contract. The Purchaser agrees that the Total Purchase Price shall be reduced accordingly through a unilateral modification to the contract executed by the Contracting Officer.
- (11) L-28 In cable harvest units as shown on Exhibit A, the Purchaser shall make cable yarding road changes by completely spooling the cables and restringing the layout from the head spar to the new tailhold to protect advance reproduction and/or reserve trees and snags present on these areas.
- (C) Road Construction - Maintenance – Use
- (1) RC-1a The Purchaser shall renovate listed 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 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-2 The Purchaser is authorized to use the roads listed below 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 pay the required maintenance obligations described in Section 41(C)(6). The Purchaser shall pay current Bureau of Land Management maintenance and rockwear fees for the sale of additional timber under modification to the contract.

| Road No. and Segment | Length Miles Used | Road Control | Road Surface Type |
|----------------------|-------------------|--------------|-------------------|
| 30-6-32.0 D | 0.30 | BLM | BST2 |
| 31-9-35.0 | 4.70 | BLM | BST1 |
| 32-8-1.1 A | 2.40 | BLM | BST2 |

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|--------------------------|------|-----|------|
| 32-8-1.1 B1 | 1.44 | BLM | BST1 |
| 32-8-1.1 B2 | 3.49 | BLM | BST1 |
| 32-8-1.1 C | 2.90 | BLM | BST1 |
| 32-8-9.2 A | 4.70 | BLM | BST1 |
| 32-8-9.2 B | 1.95 | BLM | BST1 |
| 32-9-14.2 A | 4.10 | BLM | BST1 |
| 32-8-31.0 A3 | 0.35 | BLM | BST1 |
| 32-8-31.0 B (16-1) | 0.80 | BLM | BST1 |
| 32-8-31.0 B (Bobby Pond) | 1.28 | BLM | BST1 |
| 32-8-31.0 C | 1.75 | BLM | BST1 |
| 33-7-2.0 A | 8.49 | BLM | BST2 |
| 33-7-2.0 B | 2.47 | BLM | BST2 |
| 33-7-2.0 C | 0.10 | BLM | BST2 |

- (4) RC-2a The Purchaser is authorized to use the roads listed below and shown on 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)(9) and pay the required rockwear obligation described in Section 41(C)(7). 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 |
|----------------------|-------------------|--------------|-------------------|
| 32-9-14.1 B | 0.90 | BLM | ASC |
| 32-9-14.2 B | 2.72 | BLM | ASC |
| 32-9-14.2 C | 0.11 | BLM | ASC |
| 32-9-15.2 A | 4.84 | BLM | ASC |
| 32-9-15.2 C | 0.80 | BLM | ASC |
| 32-9-16.0 A | 4.02 | BLM | ASC |
| 32-9-18.0 | 1.40 | BLM | ASC |
| 32-9-20.3 | 0.80 | BLM | ASC |
| 32-9-21.0 | 1.10 | BLM | ASC |
| 32-9-30.0 | 0.86 | BLM | ASC |
| 32-9-32.0 | 0.40 | BLM | ASC |

MINI MULE TIMBER SALE
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| | | | |
|-----------|------|-----|-----|
| 32-9-32.2 | 0.50 | BLM | ASC |
| 32-9-33.0 | 0.90 | BLM | ASC |

- (5) RC-2b With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users on roads included in Section 41(C)(4) of this contract; provided, that such cooperative arrangement shall not relieve the Purchaser of his liability for the maintenance and repair of such roads resulting from wear or damage, in accordance with this contract. The Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreements entered into with other users on these roads.
- (6) RC-2e Provided, that the Purchaser shall pay a road maintenance fee of \$0.46 per thousand board feet log scale per mile for road numbers 31-9-35.0, 32-8-1.1 B1, 32-8-1.1B2, 32-8-1.1C, 32-8-9.2A, 32-8-9.2B, 32-9-14.2A, 32-8-31.0A3, 32-8-31.0 B, and 32-8-31.0C and \$0.31 per thousand board feet log scale per mile for road numbers 30-6-32.0 D, 32-8-1.1A, 33-7-2.0A, 33-7-2.0B, and 33-7-2.0C for the use of said roads. The total maintenance fee due shall be based upon volumes determined pursuant to Section (2 and 3) of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of timber purchased under this contract, together with an estimate of the volume to be hauled over such roads. The Purchaser will be required to label, with a permanent ink marker, each load ticket with the corresponding unit number as directed by the Authorized Officer. The Authorized Officer shall establish an installment schedule of payment of the maintenance obligation. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total maintenance payments made under this contract differs from the total maintenance payment due, such difference shall be reconciled between the Purchaser and the BLM within sixty (60) days after such determination is made.
- (7) RC-2e_(rw) Provided, that the Purchaser also shall pay a road rockwear fee of \$0.46 per thousand board feet log scale per mile for road numbers 32-9-14.1B, 32-9-14.2B, 32-9-14.2C, 32-9-15.2A, 32-9-15.2C, 32-9-16.0A, 32-9-18.0, 32-9-20.3, 32-9-21.0, 32-9-30.0, 32-9-32.0, 32-9-32.2, and 32-9-33.0 for the use of said roads. The total rockwear fee due shall be based upon volumes determined pursuant to Section (2 and 3) of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of timber purchased under this contract, together with an estimate of the volume to be hauled over such roads. The Purchaser will be required to label, with a permanent ink marker, each load ticket with the corresponding unit number as directed by the Authorized Officer. The

MINI MULE TIMBER SALE
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Authorized Officer shall establish an installment schedule of payment of the maintenance obligation. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total rockwear payments made under this contract differs from the total rockwear payment due, such difference shall be reconciled between the Purchaser and the BLM within sixty (60) days after such determination is made.

- (8) 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 roads 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)(3). The Purchaser shall pay the total maintenance amount for said roads 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.
- (9) 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.
- (10) RC-3c The Purchaser also agrees that if they elect to use any other private road which is the subject of a right-of-way agreement with the Government for the removal of Government timber sold under the terms of this contract, Purchaser shall request and agree to the modification of this contract to provide for such use and for allowances for amortization of the Government's share of the capital investment of any such road.
- (11) 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 such vehicles or equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit.

Tracked type equipment shall not be allowed to cross over concrete bridge decks, other concrete surfaced structures or asphalt surfaced roads without the proper protection of that surface. Prior approval shall be obtained from the Authorized Officer when crossing with protective devices.

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:

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SPECIAL PROVISIONS

- 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 or tracked vehicles or equipment; (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.

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- (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 150 feet of any stream 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.
- (4) E-1 In addition to the requirement set forth in Section 25 of this contract, the Purchaser shall as directed by the Authorized Officer rehabilitate tractor skid trails located within riparian reserves prior to October 15th of the harvest season during dry soil conditions by one of the following methods:
- (a) If the Authorized Officer deems ripping will not cause unacceptable damage to the root systems of residual trees the Purchaser shall discontinuously subsoil with winged ripper teeth, simultaneously water bar, seed, mulch, and barricade.
 - 1. Use a minimum 200 flywheel horsepower tractor with mounted rippers having shanks and teeth consistent with drawings and specifications shown on Exhibit R of this contract, which, is attached hereto and made a part hereof.
 - 2. Subsoil the entire width of the skidtrail to a depth of eighteen (18) inches, and no further than thirty six (36) inches apart
 - (b) If the Authorized Officer deems ripping will cause an unacceptable amount of damage to the root systems of residual trees the Purchaser shall scarify to a depth of up to six (6) inches and simultaneously water bar, seed, mulch and barricade.
- (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

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rehabilitate landings, corridors, skidtrails and other areas of exposed soils by properly installing and/or using water bars, berms, sediment basins, gravel pads, hay bales, small dense woody debris, seeding and/or mulching, to reduce sediment runoff 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 C, 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 prehistorical 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 reinitiation of consultation is required concerning the species prior to continuing operation, or;
 - (b) when, in order to comply with the Endangered Species Act or to protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Medford District Record of Decision (ROD) and Resource Management Plan (RMP), 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;

MINI MULE TIMBER SALE
SPECIAL PROVISIONS

- (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

MINI MULE TIMBER SALE
SPECIAL PROVISIONS

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 occupied marbled murrelet sites in accordance with the ROD and RMP, 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, marbled murrelet occupied site protection in accordance with the ROD and RMP, 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

MINI MULE TIMBER SALE
SPECIAL PROVISIONS

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) Miscellaneous

- (1) M-2 The Government at its option may check scale any portion of the timber removed from the contract area. The Purchaser hereby agrees to make such contract timber available for scaling at a location designated by the Authorized Officer. In the event that BLM elects to check scale and if such check scaling causes a delay in log transportation time, an adjustment will be made to the purchase price as follows. If the entire sale is check scaled, the purchase price of this contract shall be reduced by *one thousand, four hundred forty five dollars and 25/100's* (\$1,445.25). In the event that only a portion of the contract timber is scaled, the purchase price shall be reduced by that portion of *one thousand, four hundred forty five dollars and 25/100's* (\$1,445.25) which is equal to the percentage of timber sold which was actually scaled by the Government. For purposes of computing this price reduction, the percentage of timber sold which has been scaled shall be determined by the Government. Any reduction in purchase price under the terms of this provision shall be full compensation to the Purchaser for any expense or loss incurred as a result of such scaling.

(F) 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.

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- (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 shovel in good condition with not less than a three (3) foot handle and a blade not less than seven and three-quarters ($7 \frac{3}{4}$) inches wide 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 trucks. 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 and Medford BLM District office, Douglas Forest Protection Agency. Such communication shall be available during periods of operation including the time watch-service is required.

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- 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.

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(G) 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 all slash over the entire cutting area concurrently with the normal felling operation. All top and side branches must be cut free of the central stem so that such stem is reduced to the extent that it is within eighteen (18) inches of the ground at all points.
 - b) SD-1b Pile, cover and burn all slash situated within 20 feet of each landing. Slash shall be piled by mechanized equipment. Finished piles shall be tight and free of earth.
 - c) SD-1c Slash shall be disposed of in accordance with the written instructions of the Authorized Officer.

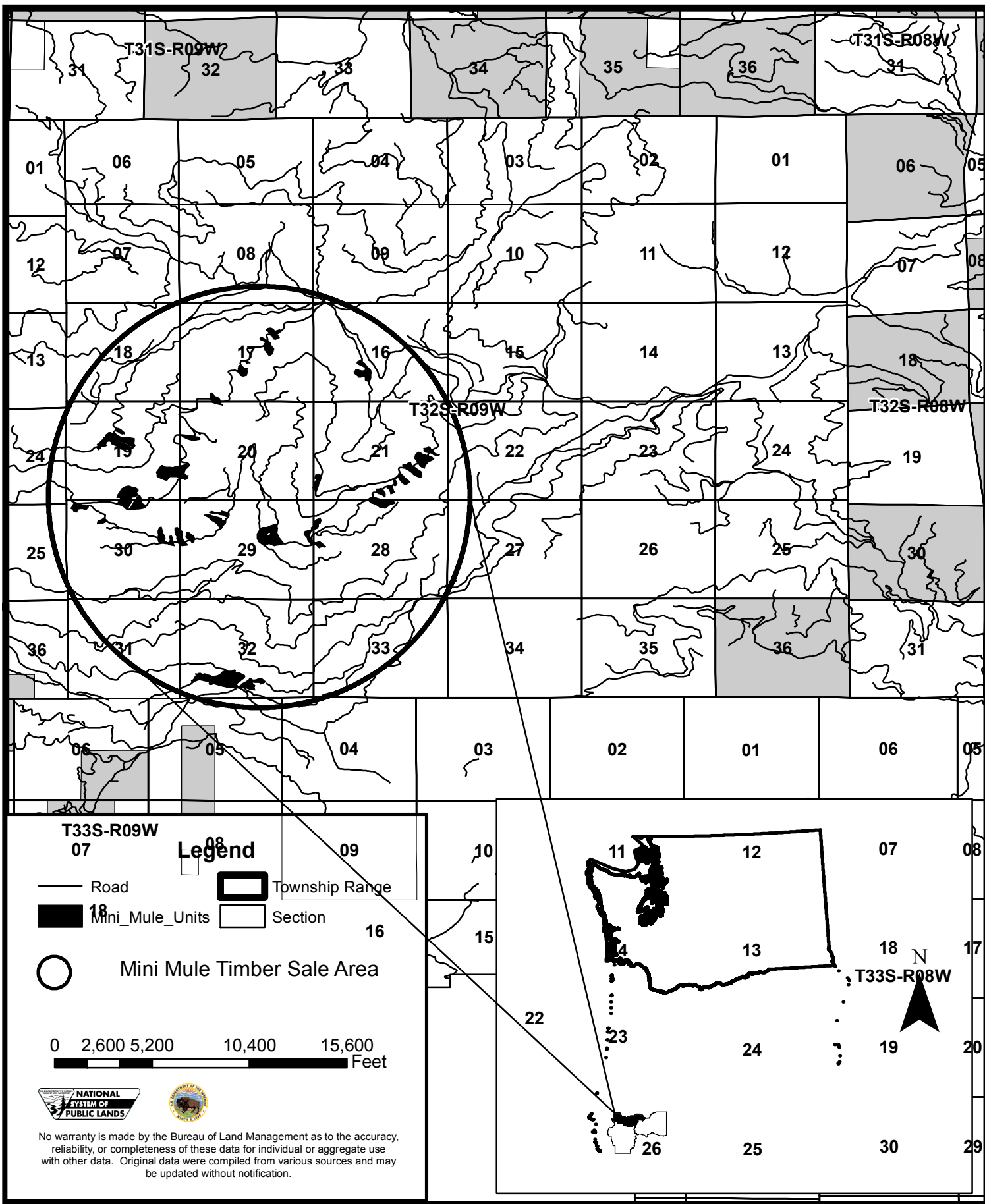
(H) Equal Opportunity in Employment

Certification of Nonsegregated Facilities attached hereto and made a part hereof.

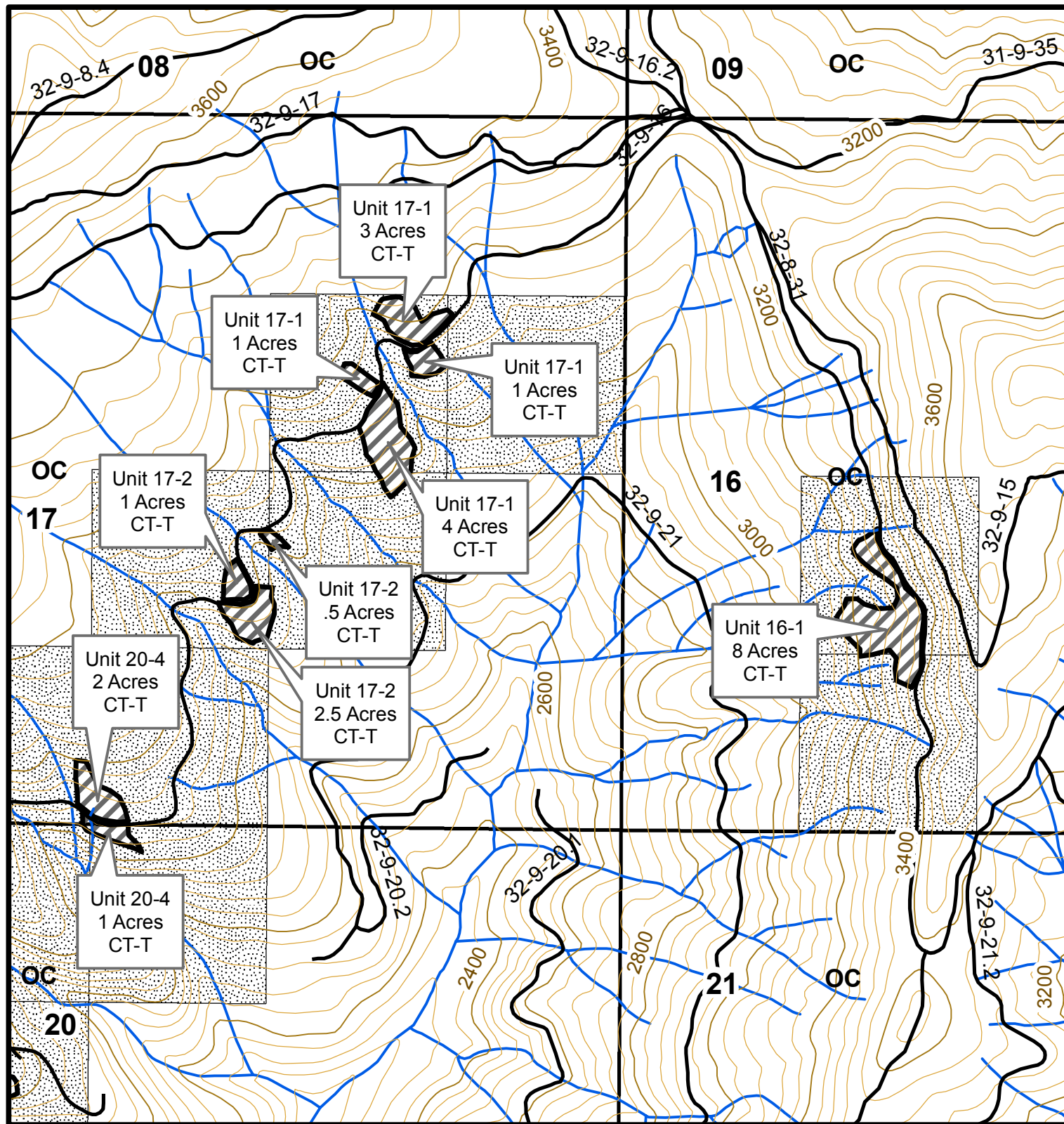
U.S.D.I BLM MEDFORD DISTRICT SALE NO. OR110-TS10-13
T.32 S., R.9W., SEC.16, 17, 19, 20, 21, 28, 29, 30, 32 WILL. MER
MINI MULE TIMBER SALE
CURRY COUNTY

MINI MULE TIMBER SALE CONTRACT MAP

SALE LOCATION MAP



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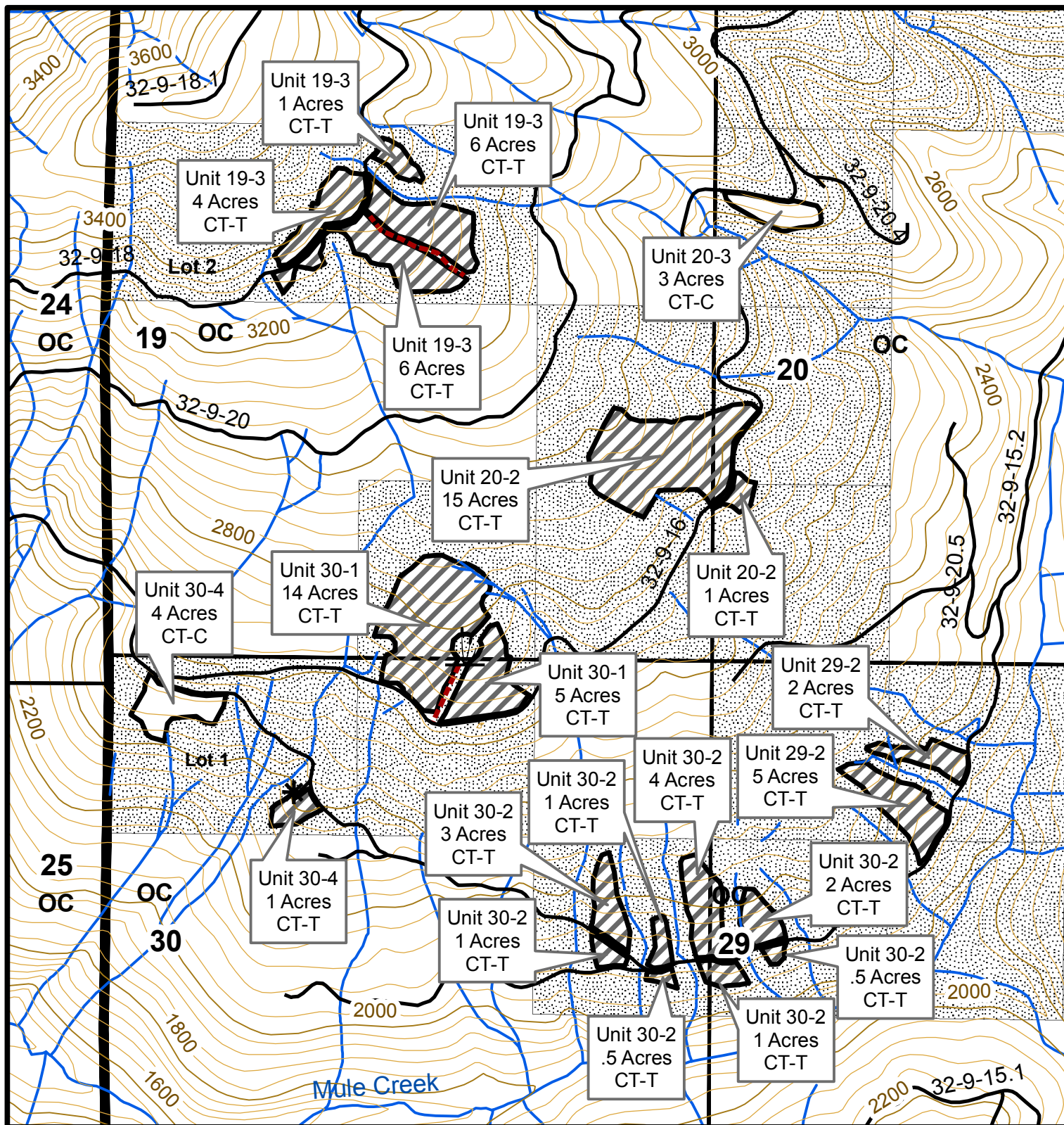
1 inch = 1,000 feet

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.



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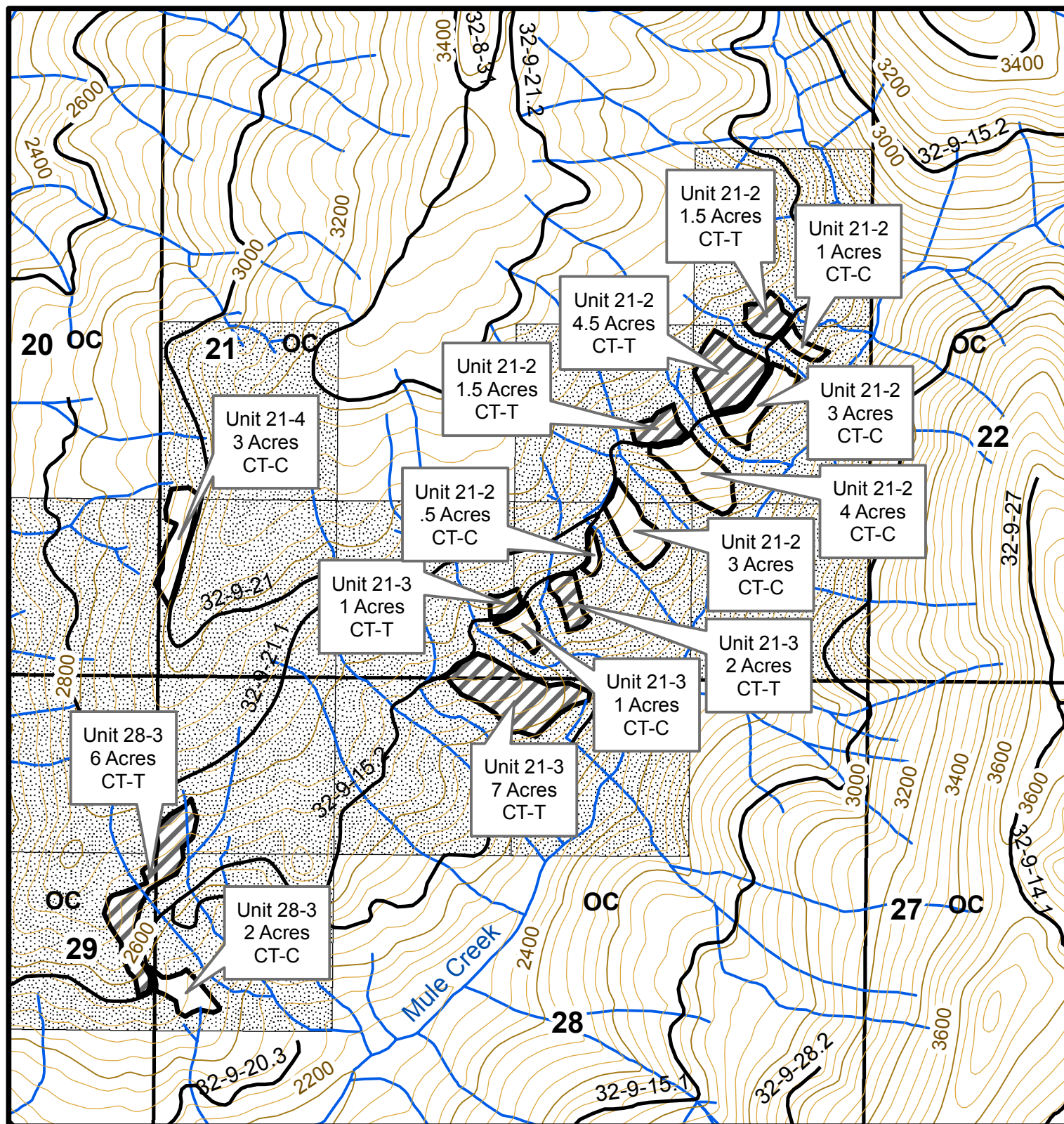
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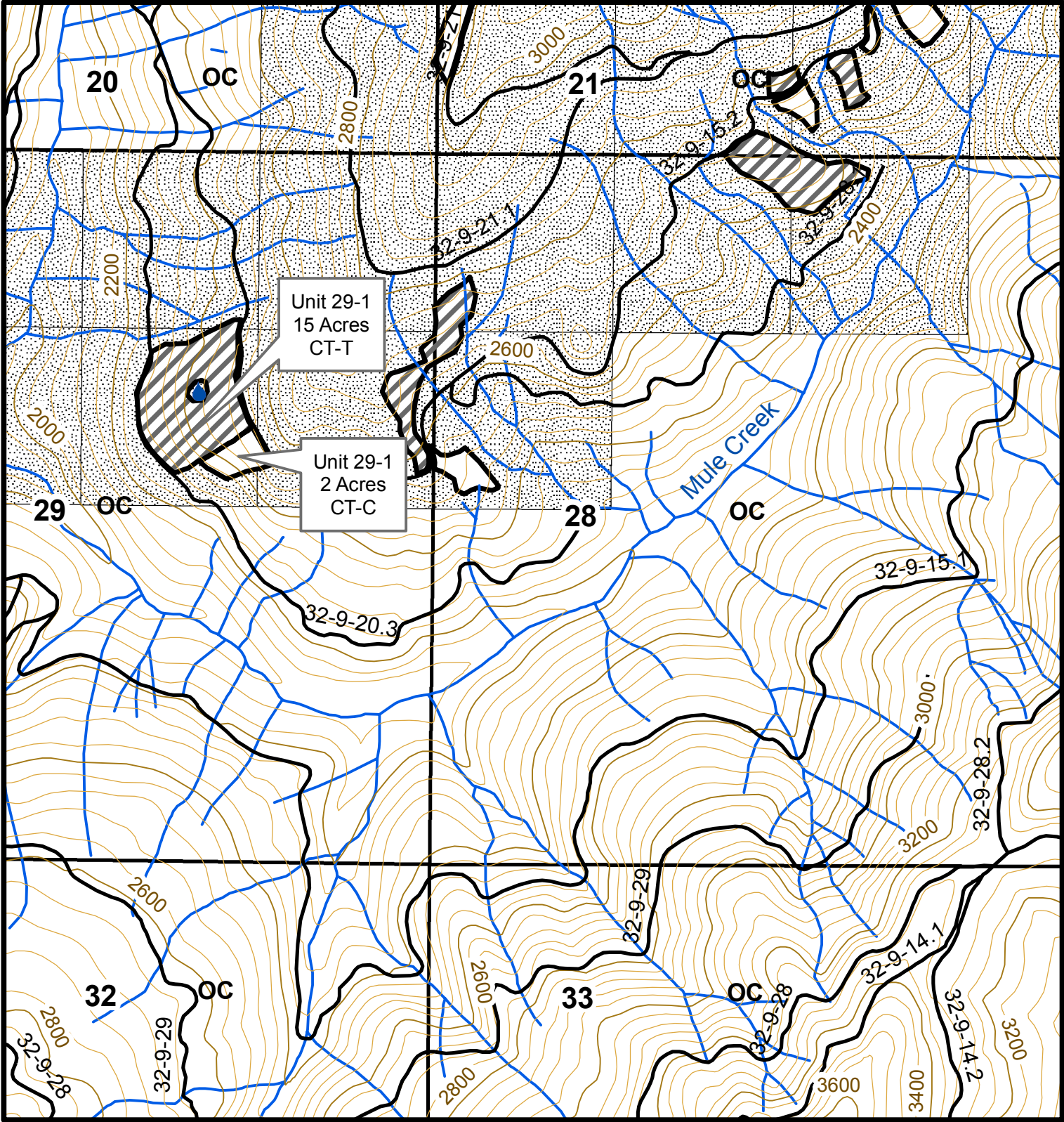
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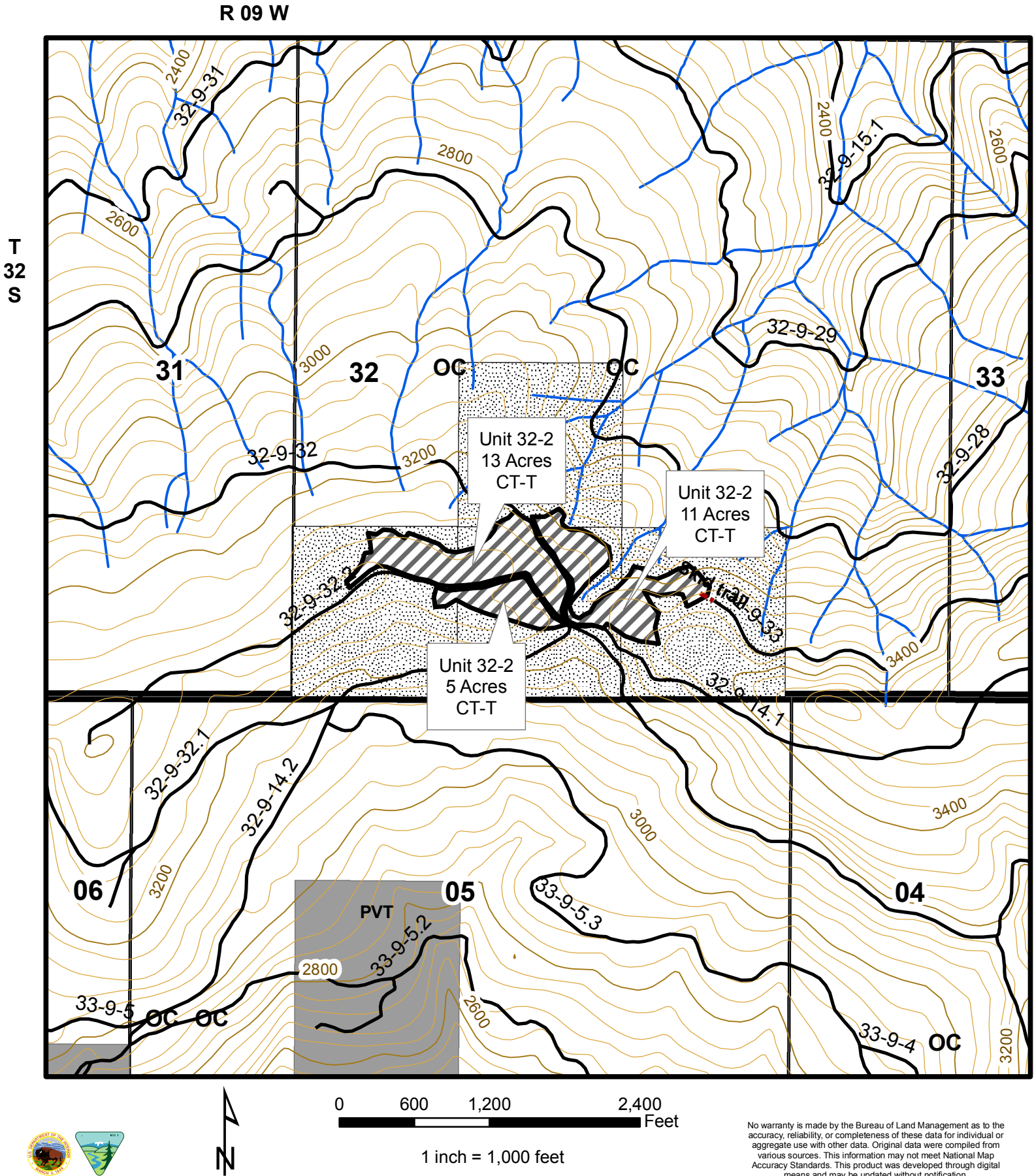


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Legend


 Intermediate 40-ft contour


 Index 200-ft contour


 Road


 Stream

 Designated skid trails

 Landing


 Plant

 Seep


 Reserve area


oc

BLM O & C


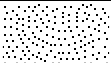
 Private

Mini Mule Units

 cable

 tractor

SUMMARY

| | | |
|---|---|------------|
| CT-T | COMMERCIAL THIN- TRACTOR YARD (UNITS 16-1, 17-1, 17-2, 19-3, 20-2, 20-4, 21-3, 28-3, 29-1, 29-2, 30-1, 30-2, 30-4, 3 | 164.5 ACRE |
| CT-C | COMMERCIAL THIN - CABLE YARD (UNITS 20-3, 21-2, 21-3, 21-4, 28-3, 29-1, | 26.5 ACRES |
|  | TOTAL TIMBER SALE UNIT AREA | 191 ACRES |
|  | RESERVE AREA | 1668 ACRE |
| | TOTAL CONTRACT AREA | 1859 ACRE |

LEGEND

| UNIT | GPS Acres | HARVEST TYPE | LOGGING SYSTEM | Fuels Treatment |
|--------------|------------|--------------|----------------|-----------------|
| 16-1 | 8 | CT | T | LS-MP-C-BMP |
| 17-1 | 9 | CT | T | LS-MP-C-BMP |
| 17-2 | 4 | CT | T | LS-MP-C-BMP |
| 19-3 | 17 | CT | T | LS-MP-C-BMP |
| 20-2 | 16 | CT | T | LS-MP-C-BMP |
| 20-3 | 3 | CT | C | LS-MP-C-BMP |
| 20-4 | 3 | CT | T | LS-MP-C-BMP |
| 21-2 | 19 | CT | C/T | LS-MP-C-BMP |
| 21-3 | 11 | CT | C/T | LS-MP-C-BMP |
| 21-4 | 3 | CT | C | LS-MP-C-BMP |
| 28-3 | 8 | CT | C/T | LS-MP-C-BMP |
| 29-1 | 17 | CT | C/T | LS-MP-C-BMP |
| 29-2 | 7 | CT | T | LS-MP-C-BMP |
| 30-1 | 19 | CT | T | LS-MP-C-BMP |
| 30-2 | 13 | CT | T | LS-MP-C-BMP |
| 30-4 | 5 | CT | C/T | LS-MP-C-BMP |
| 32-2 | 29 | CT | T | LS-MP-C-BMP |
| TOTAL | 191 | | | |

* ALL ACRES COMPUTED BY GPS TRAVERSE

* BOUNDARIES OF HARVEST UNITS ARE POSTED AND PAINTED IN ORANGE

SITE PREPERATION COSTS/ACRE

| Treatment Type | Description | Cost/ Acre |
|----------------|---|------------|
| LS | Within unit boundaries | \$30.00 |
| MP-C-BMP | All landings (Estimated 1/8 ac per landing) | \$40.00 |

CT = COMMERCIAL THIN

T = TRACTOR

C= CABLE

C/T= CABLE/TRACTOR

LS- Lop and Scatter

MP- Machine Pile

C- Cover

BMP- Burn Machine Piles

TOTAL TIMBER SALE UNIT AREA: 191 ACRES

RESERVE AREA: 1,668 ACRES

TOTAL CONTRACT AREA: 1,859 ACRES

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT (BLM)

Contract No.: OR110-TS10-13
Sale Name: Mini Mule
Issuing Office: Medford District

EXHIBIT B
SCALE SALE

PURCHASE PRICE SCHEDULE AND MEASUREMENT SPECIFICATIONS

I. **Total Actual Purchase Price** - In accordance with Section 3.(d). of the contract, the Purchaser agrees to pay the Government for the timber sold under the contract in accordance with the following schedule and measurement requirements. Timber sold is comprised of Merchantable Timber, Merchantable Timber Remaining, and Other Timber as defined below. In the event an Extension of Time is approved, the prices per measurement unit are subject to readjustment (refer to Section 9 of the contract).

| Schedule of Species, Measurement Units, and Prices | | |
|--|------------------|----------------------------|
| Species | Measurement Unit | Price Per Measurement Unit |
| Merchantable logs - Douglas-fir | MBF | |
| Utility logs | MBF | Not Applicable |

II. **Merchantable Timber** - All timber which can be cut into logs, which equal or exceed the following specifications, shall be considered merchantable timber. Purchaser shall pay for same in accordance with Sec. 3 of the contract at the unit prices shown in Section I of this Exhibit.

| Schedule of Minimum Material Specifications | | | |
|---|--------|--|---|
| Species and Products | Length | Diameter (inside bark at small end) | Net Scale |
| All Species | 8 feet | 5 inches | 33 1/3% of gross volume of any log segment or 10 bd ft. |

III. **Merchantable Timber Remaining - Measurement Requirements** - The remaining volume of any merchantable sold timber on the contract area shall be determined as provided in Section 3.(e). of the contract. Purchaser shall pay for same in accordance with Sec. 3 of the contract at the unit prices shown in Section I of this Exhibit.

IV. **Scaling**

A. **Log Rule and Measurement** - All logs shall be scaled according to the Northwest Log Rules Eastside Log Scaling Handbook, as amended, or supplemented by BLM before the first advertisement date of the sale. A Scaling Authorization Form (OR 5300-18) must be completed prior to beginning of operations. If sample log scaling is agreeable to

Purchaser and the Contracting Officer, the procedures will be agreed upon in writing regarding sample design, number of log sorts, expansion of sample volumes for computation of Merchantable Timber volume, etc.

B. Scaling Service - Log scaling services shall be provided and performed by BLM personnel or parties under contract to BLM.

1. All logs shall be scaled and volumes determined by BLM or a certified contract scaler.

2. The BLM scaler or contract scaler is designated to collect Eastside MBF scale data from all loads.

C. Other Timber - If any timber is of a species or size not listed in Section II of this Exhibit (above) or is of a quality different from merchantable timber described herein, the Authorized Officer shall establish volumes and values in accord with Standard BLM methods.

D. Defect Caused by Abnormal Delay - Scaling deductions made for rot, check or other defect resulting from abnormal delay in scaling caused by Purchaser shall be recorded separately and charged to the Purchaser in accordance with Section 3. of the contract.

E. Log Presentation - Purchaser shall present logs so that they may be scaled in an economical and safe manner in accordance with the Memorandum(s) of Agreement for Yard Scaling required in Section IV.G.5. of this Exhibit.

F. Check Scale - The Government will conduct check scales as set forth in the following section.

Normally a check scale includes at least 200 short logs (20 feet or less) or at least 100 multiple-segment logs. Sample the species and defect situation as fairly as possible. Individually analyze more complex scaling situations and increase the number of logs check scaled if necessary.

The following standards will be used to determine the proficiency of individual scalers.

Gross Scale. A variance of one percent in gross scale is the standard unless otherwise justified.

Net scale. The allowable variance is as follows:

| Check scaler's percent defect in logs | Scalers allowable variance |
|---------------------------------------|----------------------------|
| 0-10 percent | 2 percent |
| over 10 percent | .2 x percent defect |

| | |
|--|---------------------------|
| | to a maximum of 5 percent |
|--|---------------------------|

Determinations as to volume of timber made by a government check scaler in conformance with the standards as set forth herein shall be final. All loads check scaled by BLM will be identified with the check scaler's initials legibly marked or painted in the face of the first log in each load. When such checks show a variance in scale in excess of acceptable standards, in two or more consecutive check scales, an adjustment to the volume reported as scaled will be made by BLM. Such adjustments will be made based on the difference between available BLM check scales and the original scale during the period covered by the unsatisfactory check scales. Unless otherwise approved in writing by the Authorized Officer, the volume to which this difference will be applied will be 50 percent of the volume scaled between the last satisfactory check and the first unsatisfactory check, 100 percent of the volume scaled during the unsatisfactory check, and 50 percent of the volume between the last unsatisfactory check scale and the next satisfactory check scale.

G. Accountability

1. Purchaser shall notify the Authorized Officer three (3) days prior to starting or stopping of hauling operations performed under the contract.
2. Logs will be painted and branded at the landing and accounted for in accordance with Sec. 41 (A) (1) of the contract. Each truck driver shall obtain a load receipt and a BLM scaler receipt from the Log Truck Ticket Book issued by the Authorized Officer and comply with the instructions specified on the cover of said book. While products are in transit, the truck driver shall display the load receipt and BLM scaler receipt on the bunk or wing log at the front of the load on the driver's side. All logs on each load shall be delivered to the destination listed on the woods receipt. The BLM scaler receipt shall be surrendered at the location of BLM scaling, the unloading location, or as requested by BLM.
3. The Purchaser shall not haul logs from the contract area on weekends; Memorial Day, Fourth of July, Labor Day, Thanksgiving, Christmas, and New Year's holidays; or outside the hours of 4:00 a.m. to 8:00 p.m. daily, unless otherwise approved in writing by the Authorized Officer or designated in the Approved Logging Plan (Refer to Section 41 (B) (5) of the contract).
4. The Purchaser shall furnish BLM a map showing the route which shall be used to haul logs from the timber sale area to the scaling location. Such route shall be the most direct haul route between the two points, unless another route is approved by BLM. The route of haul may be changed only with advance notice to and approval by BLM. The haul route map shall be attached to the Approved Logging Plan.
5. All loads will be scaled at scale locations listed on the Scaling Authorization as approved by the Authorized Officer. The Purchaser shall ensure that all scale site owners listed on the

Scaling Authorization enter into a Memorandum of Agreement for Yard Scaling before requesting BLM approval of the Scaling Authorization. Areas for scaling BLM logs will be designated on the ground and identified on the yard map as required in the Memorandum(s) of Agreement for Yard Scaling.

6. Any removal of logs from loaded trucks before being accounted for and/or scaled as required by the contract shall be considered a willful trespass and render the Purchaser liable for damages under applicable law. Any payment made for purchase of such logs shall be deducted from amount due because of trespass.

H. Scaling Lost Products - The value of lost loads shall be equal to the highest value load for the month in which the lost load is hauled regardless of where the highest value load is scaled. If no loads have been scaled in that month, value will be determined from the closest month in which loads were scaled.

V. Estimated Volumes and Values - The following volume estimates and calculations of value of timber sold are made solely as an administrative aid for determining payment amounts, when payments are due, the value of timber subject to any special bonding provisions, and other purposes specified in various portions of the contract. The cutting areas are shown on Exhibit A of the contract.

A. Merchantable Timber Volume Removed from Contract Area - The total volume of removed timber shall be determined using the Government's records of scaled volumes of timber skidded or yarded monthly, or a shorter period if agreed to by the Purchaser and Government, to loading points or removed from the contract area.

B. Merchantable Timber Not Yet Removed from Contract Area - The value of merchantable timber which has not been removed will be determined by multiplying the value per acre as shown below times the amount of acreage subject to the purpose of the value determination, as determined by the Authorized Officer:

| Total Estimated Purchase Price And/Or Schedule of Volumes and Values for Merchantable Timber Not Yet Removed from Contract Area | | | | | |
|--|-----------------------------------|---------------------------------|-----------------|-----------------------------------|----------------|
| Cutting Area | | Total Estimated Volume (MBF) | | Total Estimated Purchase Price | |
| Cutting Area Number | Approximate Number of Acres | Volume Per Acre | Total Volume | Value Per Acre | Total Value |
| 16-1 | 8 | 9 | 73 | | |
| 17-1 | 9 | 9 | 83 | | |
| 17-2 | 4 | 9 | 37 | | |
| 19-3 | 17 | 9 | 156 | | |
| 20-2 | 16 | 11 | 181 | | |

| | | | | | |
|---------------|-----|----|-------|--|--|
| 20-3 | 3 | 9 | 28 | | |
| 20-4 | 3 | 9 | 28 | | |
| 21-2 | 19 | 9 | 174 | | |
| 21-3 | 11 | 9 | 101 | | |
| 21-4 | 3 | 9 | 28 | | |
| 28-3 | 8 | 9 | 73 | | |
| 29-1 | 17 | 11 | 193 | | |
| 29-2 | 7 | 9 | 64 | | |
| 30-1 | 19 | 11 | 215 | | |
| 30-2 | 13 | 9 | 119 | | |
| 30-4 | 5 | 9 | 46 | | |
| 32-2 | 29 | 11 | 328 | | |
| Sale Total | 191 | | 1,927 | | |

| OVERNIGHT LOAD CONTROL RECORD | |
|-------------------------------|------------------------------|
| Log Delivery Location | |
| Timber Sale | |
| 1 | Time and Date Load Delivered |
| 2 | Sale Name |
| 3 | Load Receipt No. |

| OVERNIGHT LOAD CONTROL RECORD | |
|-------------------------------|------------------------------|
| Log Delivery Location | |
| Timber Sale | |
| 1 | Time and Date Load Delivered |
| 2 | Sale Name |
| 3 | Load Receipt No. |

| | |
|---|---|
| 4 | Number of Logs |
| 5 | Signature of Person Receiving the Load |
| | |
| 6 | Date and Time Load Released |
| 7 | Signature of Person Releasing the Load |
| | |

Instructions:

1. Designated individual fills out the heading and lines 1 through 5 (including FULL SIGNATURE in ink on line 5.)
2. Contractor or BLM scaler will fill out lines 6 and 7 (including FULL SIGNATURE in ink) when loads are released for scaling, otherwise the BLM and/or yard owner will be required to sign.
3. Unless otherwise agreed, scaler will attach this form to the Load Receipt.

| | |
|---|---|
| 4 | Number of Logs |
| 5 | Signature of Person Receiving the Load |
| | |
| 6 | Date and Time Load Released |
| 7 | Signature of Person Releasing the Load |
| | |

Instructions:

1. Designated individual fills out the heading and lines 1 through 5 (including FULL SIGNATURE in ink on line 5.)
2. Contractor or BLM scaler will fill out lines 6 and 7 (including FULL SIGNATURE in ink) when loads are released for scaling, otherwise the BLM and/or yard owner will be required to sign.
3. Unless otherwise agreed, scaler will attach this form to the Load Receipt.

MEMORANDUM OF AGREEMENT FOR YARD SCALING

DISTRICT: Medford AREA: Glendale

Scale Site Owner: _____

Scale Site Location: _____

Scale Site Authorized Representative/Phone #: _____

Purchaser: _____

Timber Sale Name: Mini Mule

BLM Contract No.: OR110-TS10-13

BLM Authorized Officer(s) and Check Scaler(s)/Phone #s: _____

This Agreement covers the conditions necessary for an authorized yard scaling site. Unless otherwise agreed in writing by the Purchaser, Scale Site Owner, and the Bureau of Land Management (BLM), the following yard scaling requirements will be met and maintained. The BLM will periodically inspect the yard scaling facility for compliance. Approval of this Agreement does not automatically authorize scaling of BLM logs at this site. This Agreement, upon approval, will become part of the Approved Logging Plan as specified in Sec. 41 (B) (5) of the contract. This Agreement will be reviewed annually.

1. Scaler's Office

- a. Suitable office space for the scaler's exclusive use shall be provided by the Scale Site Owner immediately adjacent to the scaling site. The office shall be equipped with adequate lights, heat, and a desk.
- b. Sanitary facilities, such as a chemical toilet, shall be provided by Scale Site Owner. The facility shall be readily available to the designated scaling area.

2. Safety

- a. Sufficient yard space shall be provided to prevent crowded, unsafe working conditions in and around the scaling area. The face of cold decks, truck and machine traffic, adjacent to scaling area, shall be no closer than forty (40) feet.
- b. Scaling bays shall allow a minimum safety margin of ten (10) feet between log ends of adjacent scaling bays.
- c. Log stackers shall not work in scaling bays that are currently being scaled by the scaler or check scaler. Log stackers shall keep a safe distance from scaler(s) when operating in adjacent scaling bays.
- d. Safe and suitable all-weather parking adjacent to the scaling area shall be provided for scalers and check scalers use.

3. Log Accountability

- a. It is the intent, by all parties to this Agreement, that all loads will be scaled the same day as delivered. Nevertheless, at least two loads will remain in place in the designated scaling bays until replaced by other loads or until released by a BLM Authorized officer.
- b. Unscaled loads of BLM logs shall only be spread for scaling within a designated scaling area as agreed upon by the BLM Authorized Officer.
- c. Each load requiring scaling shall be identified by its respective Load Receipt until scaled and removed from the scaling bay. Logs arriving during off hours shall be left on the truck, in which case the truck must remain in the yard overnight. Alternatively, the logs may be off loaded to the designated area, and shall remain in place until released by the BLM scaler or contract scaler. The outermost logs of the load must be identified with painted arrows on the face of the logs pointing into the load, and a strip must be painted over the entire load from one end log to the other end log.
- d. In other than single load bays, the outermost logs of the load must be identified with painted arrows on the face of the logs pointing into the load, to eliminate the possibility of logs being credited to an adjacent load.
- e. There shall be no bucking of BLM logs in the log yard prior to scaling. Logs to be rebucked after scaling will be removed to a specified location away from the designated scaling area prior to bucking. The bucking area will be designated on the yard map.
- f. If remanufactured pieces are transported out of the yard to other destinations, the Scale Site Owner will register and use a BLM approved catch brand or the original brand on all remanufactured log ends, and apply yellow paint in accordance with the Timber Sale Contract.
- g. In the event a BLM load is unaccompanied by a Load Receipt, or unidentified by log brand, the scaler shall scale the load and retain the original and all copies of the scale ticket, and immediately notify the BLM Authorized Officer. The load shall remain in place.

4. Operations

- a. The Scale Site Owner has designated above a Scale Site Authorized Representative to receive notices in regard to performance under this Agreement and to take related action.
- b. The Scale Site Owner shall provide a diagram (yard map) that shows yard layout, traffic flows, location of cold decks, designated scaling bays, loading and unloading areas, scaler's office, bucking area, and the designated parking area for the BLM vehicle. The yard map shall be attached to this Agreement.
- c. Logs shall be unloaded by a mechanical stacker, and spread in the scaling bay in a manner allowing the scaler to see defect indicators and measure individual logs safely and accurately. Logs shall not be bunched or jack-strawed in the bays.
- d. There shall be no permanent decking of logs within designated scaling area so as to infringe upon required space for scaling. If logs are pushed (decked) to the rear of scaling bay(s), they shall be removed from bays before the next work day. Subsequent loads spread for scaling shall be placed a safe distance from the temporary deck.

e. Scaling under artificial lights will not be accepted.

f. BLM Authorized Officers and check scalers, whose duties include timber accountability and log export surveillance, are to be provided access to the yard to conduct inspections of the BLM timber at any time. Any visit to the yard scaling site by additional U.S. Government employees shall first be arranged through the Scale Site Authorized Representative.

g. Attempts to alter or influence a scaler's judgment and/or decision by persons other than the scaler's immediate supervisor may result in termination of this Agreement.

5. **Maintenance**

a. Scaling area shall be surfaced and treated with oil or water for the satisfactory control of dust and drainage for the control of mud.

b. Bark shall not be allowed to accumulate in the designated scaling area to the extent that accurate diameter measurement and/or scaler safety is jeopardized.

6. **Miscellaneous Clauses**

a. The BLM reserves the right to disapprove this yard scaling site at any time the above conditions are not being met. Loads shall then be scaled at other approved sites listed on the Scaling Authorization (Form OR 5300-18).

IN WITNESS WHEREOF, the parties hereto have signed this Agreement this _____ day of _____ 20____.

SCALE SITE OWNER:_____

BY:_____

TITLE:_____

TIMBER SALE PURCHASER:_____

BY:_____

TITLE:_____

BLM

BY:_____

TITLE: Contracting Officer_____

USDI - BUREAU OF LAND MANAGEMENT - OSO

SCALING AUTHORIZATION

(Scaling - Contract Information)

(1) Original Registration ()

Amendment ()

Cancellation ()

(2) To: _____

(9) Date Submitted: _____

(BLM Contracted Scaler)

(3) From: Medford District-Glendale Resource Area

(10) Scale: East-side () Cubic ()

(4) Logger: _____

(11) _____

State Brand Registration #

(5) Begin Haul Date: _____

(6) Purchaser: _____

(12) _____

(14) Brand

Contract Scaler Brand Code #

(7) Sale Name: Mini Mule Timber Sale(8) Contract #: OR110-TS10-13(13) 8-26-10Yes () No ()

Sale Advertised Date

Yellow Paint

Scale Location and Estimated Loads Per Day

| (15) Scale Location (Name) | # of Loads | Yard | Truck | Remote Check Scaling Location |
|----------------------------|------------|------|-------|-------------------------------|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |

| (16) Minimum Product Specifications | | | | | | (17) Use for Sample Sales Only | | |
|-------------------------------------|---------------|------------------------|-------------------------|-----------------------|-------|--------------------------------|-------------------|-----------|
| Species | Length (Feet) | DIB Small End (Inches) | Net Scale % Gross Scale | Min. Net Scale Volume | (Yes) | CONTRACT SCALER Brand Code | Sample Group Code | Frequency |
| All Species | 8 | 5 | 33 1/3 | 10 bd ft. | | # | A | (1: 1 |
| | | | | | | # | B | (1: |
| | | | | | | # | C | (1: |
| | | | | | | # | D | (1: |
| | | | | | | # | E | (1: |

| | |
|--|---|
| (18) Add-Back Volume - Deductions Due to Delay Yes () No () | Remarks: <u>Always</u> when amending |
| <u>CONTRACT SCALER DATE RECEIVED STAMP</u> | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

(19) _____

Purchaser

Date

BLM Representative

Date

OR 5300-18 (March 1993)



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

District : Medford
Sale Name : Mini Mule
Sale Date : 08/26/2010
Appraisal Method : 16' MBF

Contract # : TS-10-13
Job File # : M11254
Master Unit : Josephine
Planning Unit : Glendale

Contents

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**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Timber - Sale - Summary**

Medford
Mini Mule
TS-10-13

Legal Description

| Forest Type | Township | Range | Section | Subdivision |
|-------------|----------|-------|---------|--|
| O&C | 32S | 9W | 16 | E1/2SW1/4 |
| O&C | 32S | 9W | 17 | S1/2NE1/4, NE1/4SW1/4, S1/2SW1/4, NW1/4SE1/4 |
| O&C | 32S | 9W | 19 | Lot2, SW1/4NE1/4, NE1/4SE1/4, S1/2SE1/4 |
| O&C | 32S | 9W | 20 | N1/2NW1/4, SW1/4NW1/4, W1/2SW1/4, SE1/4SE1/4 |
| O&C | 32S | 9W | 21 | SE1/4NE1/4, E1/2SW1/4, SE1/4SW1/4, SE1/4 |
| O&C | 32S | 9W | 28 | NW1/4NE1/4, N1/2NW1/4, SW1/4NW1/4 |
| O&C | 32S | 9W | 29 | N1/2 |
| O&C | 32S | 9W | 30 | Lot1, NW1/4NE1/4, SE1/4NE1/4 |
| O&C | 32S | 9W | 32 | NE1/4SW1/4, S1/2SW1/4, SW1/4SE1/4 |

Cutting Volume (16' MBF)

| Unit | DF | | | | | | | | Total | Regen | Partial | ROW |
|---------------|--------------|--|--|--|--|--|--|--|--------------|----------|------------|----------|
| 16-1 | 73 | | | | | | | | 73 | | 8 | |
| 17-1 | 83 | | | | | | | | 83 | | 9 | |
| 17-2 | 37 | | | | | | | | 37 | | 4 | |
| 19-3 | 156 | | | | | | | | 156 | | 17 | |
| 20-2 | 181 | | | | | | | | 181 | | 16 | |
| 20-3 | 28 | | | | | | | | 28 | | 3 | |
| 20-4 | 28 | | | | | | | | 28 | | 3 | |
| 21-2 | 174 | | | | | | | | 174 | | 19 | |
| 21-3 | 101 | | | | | | | | 101 | | 11 | |
| 21-4 | 28 | | | | | | | | 28 | | 3 | |
| 28-3 | 73 | | | | | | | | 73 | | 8 | |
| 29-1 | 193 | | | | | | | | 193 | | 17 | |
| 29-2 | 64 | | | | | | | | 64 | | 7 | |
| 30-1 | 215 | | | | | | | | 215 | | 19 | |
| 30-2 | 119 | | | | | | | | 119 | | 13 | |
| 30-4 | 46 | | | | | | | | 46 | | 5 | |
| 32-2 | 328 | | | | | | | | 328 | | 29 | |
| Totals | 1,927 | | | | | | | | 1,927 | 0 | 191 | 0 |

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

Medford
Mini Mule
TS-10-13

Logging Costs per 16' MBF

| | | |
|-------------------|----|--------|
| Stump to Truck | \$ | 142.78 |
| Transportation | \$ | 69.19 |
| Road Construction | \$ | 16.50 |
| Road Amortization | \$ | 0.00 |
| Road Maintenance | \$ | 14.48 |

Other Allowances :

| | |
|---------------------------------|-----------------|
| Fuels Treatment | \$3.02 |
| Misc | \$6.00 |
| Other Costs | \$8.78 |
| Total Other Allowances : | \$ 17.79 |

Total Logging Costs per 16' MBF

| | |
|-----------|---------------|
| \$ | 260.74 |
|-----------|---------------|

Utilization Centers

| | |
|--|----------|
| Center #1 : Glendale | 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 |

Profit & Risk

| | |
|---------------------|---------------------------|
| Total Profit & Risk | 8 % |
| Basic Profit & Risk | 7 % + Additional Risk 1 % |
| Back Off | 10 % |

Tract Features

| | | |
|--------------------------------|---------------------|-------------|
| Avg Log | Douglas-fir : 34 bf | All : 34 bf |
| Recovery | Douglas-fir : 93 % | All : 93 % |
| Salvage | Douglas-fir : 0 % | All : 0 % |
| Avg Volume (16' MBF per Acre) | | 10 |
| Avg Yarding Slope | | 30 % |
| Avg Yarding Distance (feet) | | 250 |
| Avg Age | | 45 |
| Volume Cable | | 13 % |
| Volume Ground | | 87 % |
| Volume Aerial | | 0 % |
| Road Construction Stations | | 0.00 |
| Road Improvement Stations | | 0.00 |
| Road Renovation Stations | | 0.00 |
| Road Decomission Stations | | 0.00 |

Cruise

| | |
|----------------|--------------------|
| Cruised By | Caulfield, Dowding |
| Date | 05/01/2010 |
| Type of Cruise | PCMTRE |
| County, State | Curry, OR |

Net Volume

| | |
|--|------------|
| Green (16' MBF) | 1927 |
| Salvage (16' MBF) | 0.00 |
| Douglas-fir Peeler | 0.00 |
| Export Volume | 0 |
| Scaling Allowance (\$0.75 per 16' MBF) | \$1,445.25 |

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

Medford
Mini Mule
TS-10-13

Stumpage Computation (16' MBF)

| Species | Trees | Net Volume | Pond Value | (-) Profit & Risk | (-) Logging Cost | (+) Marginal Log Value | (-) Back Off | Appraised Price | Appraised Value |
|---------------|---------------|---------------|---------------|-------------------------|------------------------|------------------------------|--------------------|--------------------|----------------------|
| DF | 22,530 | 1,927 | 397.95 | 31.84 | 260.74 | | 10.54 | 94.80 | 182,679.60 |
| Totals | 22,530 | 1,927 | | | | | | | \$ 182,679.60 |

Log Code by Percent

| Species | Code #1 | Code #2 | Code #3 | Code #4 | Code #5 | Code #6 |
|-------------|---------|---------|---------|---------|---------|---------|
| Douglas-fir | | | | 14.0 | 69.0 | 17.0 |

Marginal Log Volume

| Species | Grade #7 | Grade #8 |
|-------------|----------|----------|
| Douglas-fir | | |

| | |
|---|--------------------------|
| Appraised By : Caulfield, Dave | Date : 06/01/2010 |
| Area Approval By : Caulfield, Dave | Date : 06/16/2010 |
| District Approval By : | Date : |

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

Medford
Mini Mule
TS-10-13

Prospectus

Appraisal Method : (16' MBF)

| Species | Trees | Net Volume 16' MBF | Net Volume 32' MBF | Net Volume CCF |
|--------------|---------------|-----------------------|-----------------------|-------------------|
| Douglas-fir | 22,530 | 1,927 | 1,596 | 3,820 |
| Total | 22,530 | 1,927 | 1,596 | 3,820 |

All Species

| Gross Volume | Number Trees | Avg bf Volume Per Tree | DBH | Gross Merch Volume | Merch Logs | Avg bf Gross Merch Log |
|--------------|--------------|------------------------|------|--------------------|------------|------------------------|
| 2,074 | 22,530 | 92 | 11.7 | 2,038 | 60,026 | 34 |

| Merch Logs | Cull Logs | Total Logs | Logs per Tree | Net Volume | Gross Volume | Recovery |
|------------|-----------|------------|---------------|------------|--------------|----------|
| 60,026 | 1,176 | 61,202 | 2 | 1,927 | 2,074 | 93 % |

Douglas-fir

| Gross Volume | Number Trees | Avg bf Volume Per Tree | DBH | Gross Merch Volume | Merch Logs | Avg bf Gross Merch Log |
|--------------|--------------|------------------------|------|--------------------|------------|------------------------|
| 2,074 | 22,530 | 92 | 11.7 | 2,038 | 60,026 | 34 |

| Merch Logs | Cull Logs | Total Logs | Logs per Tree | Net Volume | Gross Volume | Recovery |
|------------|-----------|------------|---------------|------------|--------------|----------|
| 60,026 | 1,176 | 61,202 | 2 | 1,927 | 2,074 | 93 % |

Cutting Areas

| Unit | Regen Acres | Partial Cut Acres | Right Of Way Acres | Total Acres |
|-----------------|-------------|-------------------|--------------------|-------------|
| 16-1 | | 8 | | 8 |
| 17-1 | | 9 | | 9 |
| 17-2 | | 4 | | 4 |
| 19-3 | | 17 | | 17 |
| 20-2 | | 16 | | 16 |
| 20-3 | | 3 | | 3 |
| 20-4 | | 3 | | 3 |
| 21-2 | | 19 | | 19 |
| 21-3 | | 11 | | 11 |
| 21-4 | | 3 | | 3 |
| 28-3 | | 8 | | 8 |
| 29-1 | | 17 | | 17 |
| 29-2 | | 7 | | 7 |
| 30-1 | | 19 | | 19 |
| 30-2 | | 13 | | 13 |
| 30-4 | | 5 | | 5 |
| 32-2 | | 29 | | 29 |
| Totals : | | 191 | | 191 |

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

Medford
Mini Mule
TS-10-13

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 | 1,927 | | |
| Sale Totals | 1,927 | | |

Unit Details (16' MB)

Unit 16-1 **8 Acres** **Value per Acre : \$0.00**

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 73 | | |
| Unit Totals | 73 | | |

Unit 17-1 **9 Acres** **Value per Acre : \$0.00**

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 83 | | |
| Unit Totals | 83 | | |

Unit 17-2 **4 Acres** **Value per Acre : \$0.00**

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 37 | | |
| Unit Totals | 37 | | |

Unit 19-3 **17 Acres** **Value per Acre : \$0.00**

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 156 | | |
| Unit Totals | 156 | | |

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

Medford
Mini Mule
TS-10-13

Unit 20-2 16 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 181 | | |
| Unit Totals | 181 | | |

Unit 20-3 3 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 28 | | |
| Unit Totals | 28 | | |

Unit 20-4 3 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 28 | | |
| Unit Totals | 28 | | |

Unit 21-2 19 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 174 | | |
| Unit Totals | 174 | | |

Unit 21-3 11 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 101 | | |
| Unit Totals | 101 | | |

Unit 21-4 3 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 28 | | |
| Unit Totals | 28 | | |

Unit 28-3 8 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|------------|-----------|---------------|
| Douglas-fir | 73 | | |
| Unit Totals | 73 | | |

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

Medford
Mini Mule
TS-10-13

Unit 29-1 17 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|-----------------------|----------------------|--------------------------|
| Douglas-fir | 193 | | |
| Unit Totals | 193 | | |

Unit 29-2 7 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|-----------------------|----------------------|--------------------------|
| Douglas-fir | 64 | | |
| Unit Totals | 64 | | |

Unit 30-1 19 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|-----------------------|----------------------|--------------------------|
| Douglas-fir | 215 | | |
| Unit Totals | 215 | | |

Unit 30-2 13 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|-----------------------|----------------------|--------------------------|
| Douglas-fir | 119 | | |
| Unit Totals | 119 | | |

Unit 30-4 5 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|-----------------------|----------------------|--------------------------|
| Douglas-fir | 46 | | |
| Unit Totals | 46 | | |

Unit 32-2 29 Acres Value per Acre : \$0.00

| Species | Net Volume | Bid Price | Species Value |
|--------------------|-----------------------|----------------------|--------------------------|
| Douglas-fir | 328 | | |
| Unit Totals | 328 | | |

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

Medford
Mini Mule
TS-10-13

Sale Volume Totals

191 Acres

0 Regen

191 Partial

0 R/W

17 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 | 22,530 | 60,026 | 1,176 | 1,927 | 2,038 | 2,074 | 1,596 | 1,686 | 1,708 | 3,820 | 4,009 | 4,086 |
| Totals | 22,530 | 60,026 | 1,176 | 1,927 | 2,038 | 2,074 | 1,596 | 1,686 | 1,708 | 3,820 | 4,009 | 4,086 |

Unit Totals

Unit : 16-1

8 Acres

0 Regen

8 Partial

0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|------------|--------------|-----------|---------------|------------|-------------|
| Douglas-fir | 907 | 2,402 | | 78 | 78 | 73 |
| Unit Totals | 907 | 2,402 | | 78 | 78 | 73 |

Unit : 17-1

9 Acres

0 Regen

9 Partial

0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|--------------|--------------|-----------|---------------|------------|-------------|
| Douglas-fir | 1,020 | 2,702 | | 88 | 88 | 83 |
| Unit Totals | 1,020 | 2,702 | | 88 | 88 | 83 |

Unit : 17-2

4 Acres

0 Regen

4 Partial

0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|------------|--------------|-----------|---------------|------------|-------------|
| Douglas-fir | 453 | 1,201 | | 39 | 39 | 37 |
| Unit Totals | 453 | 1,201 | | 39 | 39 | 37 |

Unit : 19-3

17 Acres

0 Regen

17 Partial

0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|--------------|--------------|-----------|---------------|------------|-------------|
| Douglas-fir | 1,927 | 5,104 | | 166 | 166 | 156 |
| Unit Totals | 1,927 | 5,104 | | 166 | 166 | 156 |

Unit : 20-2

16 Acres

0 Regen

16 Partial

0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|--------------|--------------|------------|---------------|------------|-------------|
| Douglas-fir | 1,987 | 5,333 | 232 | 198 | 191 | 181 |
| Unit Totals | 1,987 | 5,333 | 232 | 198 | 191 | 181 |

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

Medford
Mini Mule
TS-10-13

Unit : 20-3 3 Acres 0 Regen 3 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 340 | 901 | | 29 | 29 | 28 |
| Unit Totals | 340 | 901 | | 29 | 29 | 28 |

Unit : 20-4 3 Acres 0 Regen 3 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 340 | 901 | | 29 | 29 | 28 |
| Unit Totals | 340 | 901 | | 29 | 29 | 28 |

Unit : 21-2 19 Acres 0 Regen 19 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 2,154 | 5,705 | | 185 | 185 | 174 |
| Unit Totals | 2,154 | 5,705 | | 185 | 185 | 174 |

Unit : 21-3 11 Acres 0 Regen 11 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 1,247 | 3,303 | | 107 | 107 | 101 |
| Unit Totals | 1,247 | 3,303 | | 107 | 107 | 101 |

Unit : 21-4 3 Acres 0 Regen 3 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 340 | 901 | | 29 | 29 | 28 |
| Unit Totals | 340 | 901 | | 29 | 29 | 28 |

Unit : 28-3 8 Acres 0 Regen 8 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 907 | 2,402 | | 78 | 78 | 73 |
| Unit Totals | 907 | 2,402 | | 78 | 78 | 73 |

Unit : 29-1 17 Acres 0 Regen 17 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 2,111 | 5,666 | 247 | 210 | 203 | 193 |
| Unit Totals | 2,111 | 5,666 | 247 | 210 | 203 | 193 |

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

Medford
Mini Mule
TS-10-13

Unit : 29-2 7 Acres 0 Regen 7 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 794 | 2,102 | | 68 | 68 | 64 |
| Unit Totals | 794 | 2,102 | | 68 | 68 | 64 |

Unit : 30-1 19 Acres 0 Regen 19 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 2,360 | 6,333 | 276 | 235 | 227 | 215 |
| Unit Totals | 2,360 | 6,333 | 276 | 235 | 227 | 215 |

Unit : 30-2 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 | 1,474 | 3,903 | | 127 | 127 | 119 |
| Unit Totals | 1,474 | 3,903 | | 127 | 127 | 119 |

Unit : 30-4 5 Acres 0 Regen 5 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 567 | 1,501 | | 49 | 49 | 46 |
| Unit Totals | 567 | 1,501 | | 49 | 49 | 46 |

Unit : 32-2 29 Acres 0 Regen 29 Partial 0 R/W

| SpeciesName | # of Trees | Merch Logs | Cull Logs | 16' MBF Gross | 16' MBF GM | 16' MBF Net |
|--------------------|-----------------------|-----------------------|----------------------|--------------------------|-----------------------|------------------------|
| Douglas-fir | 3,602 | 9,666 | 421 | 359 | 345 | 328 |
| Unit Totals | 3,602 | 9,666 | 421 | 359 | 345 | 328 |

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Stump to Truck Costs**

Medford
Mini Mule
TS-10-13

Total (16' MBF)

| Total Stump to Truck Costs | Net Volume | Cost / Net Volume |
|---------------------------------------|-----------------------|------------------------------|
| \$275,144.36 | 1,927 | \$142.78 |

Detail

Yarding & Loading

| Yarding System | Unit Of Measure | Units | Cost / Unit | Total Cost |
|-----------------------|----------------------------|--------------|------------------------|-----------------------|
| Track Skidder | MBF | 1,778 | \$118.32 | \$210,372.96 |
| Short Twr<40 | MBF | 260 | \$242.39 | \$63,021.40 |
| Subtotal | | | | \$273,394.36 |

Other Costs

| Explanation | Unit Of Measure | Units | Cost / Unit | Total Cost |
|--------------------|----------------------------|--------------|------------------------|-----------------------|
| | | | | |
| Subtotal | | | | |

Additional Move-Ins

| Equipment | # Move-In | Cost / Move In | Total Cost |
|------------------|------------------|---------------------------|-----------------------|
| Yarder / Loader | 3 | \$450.00 | \$1,350.00 |
| Dozer | 1 | \$400.00 | \$400.00 |
| Subtotal | | | \$1,750.00 |

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

Medford
Mini Mule
TS-10-13

Other Allowances Costs

Total (16' MBF)

| Total Other Allowances Costs | Net Volume | Cost / Net Volume * | Total Buy Out Cost |
|-------------------------------------|-------------------|----------------------------|---------------------------|
| \$34,277.19 | 1,927 | \$17.79 | \$0.00 |

Fuels Treatment

Detail (16' MBF)

| Cost Item | Total Cost | Cost / Net Vol * | Buy Out | Buy Out Cost |
|-----------------------|-------------------|-------------------------|----------------|---------------------|
| Lop and Scatter-Lvl 1 | 5,490.00 | 2.85 | N | 0.00 |
| Presc. Burn-Level 1 | 320.00 | 0.17 | N | 0.00 |
| Subtotal | 5,810.00 | 3.02 | | 0.00 |

Misc

Detail (16' MBF)

| Cost Item | Total Cost | Cost / Net Vol * | Buy Out | Buy Out Cost |
|---------------------|-------------------|-------------------------|----------------|---------------------|
| Marking | 7,640.00 | 3.96 | | 0.00 |
| Directional Falling | 3,917.19 | 2.03 | | 0.00 |
| Subtotal | 11,557.19 | 6.00 | | 0.00 |

Other Costs

Detail (16' MBF)

| Cost Item | Total Cost | Cost / Net Vol * | Buy Out | Buy Out Cost |
|------------------------------------|-------------------|-------------------------|----------------|---------------------|
| Equipment Washing | 256.00 | 0.13 | N | 0.00 |
| Stream and Culvert Cleaning | 384.00 | 0.20 | N | 0.00 |
| Ripping | 3,000.00 | 1.56 | N | 0.00 |
| Hand Seeding @ 17 lb seed per hour | 830.00 | 0.43 | N | 0.00 |
| Mulching (2 hours/5 bales) | 1,040.00 | 0.54 | N | 0.00 |
| Waterbar Skids | 2,400.00 | 1.25 | N | 0.00 |
| Barricades | 1,500.00 | 0.78 | N | 0.00 |
| Landing Clean up | 2,250.00 | 1.17 | N | 0.00 |
| Landing Construction | 2,250.00 | 1.17 | N | 0.00 |
| Skid Construction | 3,000.00 | 1.56 | N | 0.00 |
| Subtotal | 16,910.00 | 8.78 | | 0.00 |

* 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
Mini Mule
TS-10-13

General

D X D Sale.
Updated 6/7/2010.

Yarding & Loading

Road Costs

(see Engineering Appraisal for details).

Transportation

(see Transportation appendix for details).

Other Allowances

Burning Landing Piles is labled Presc.Burn-Level 1.
Marking includes paint and labor.

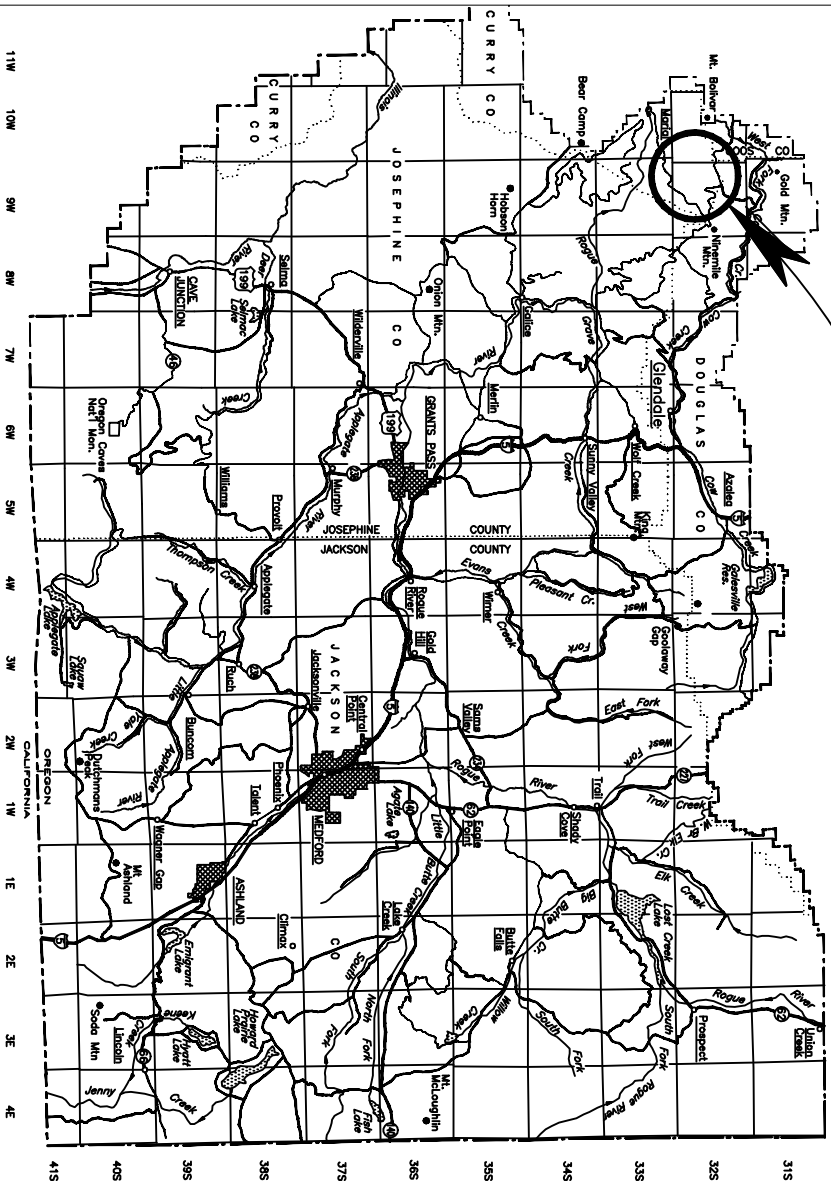
Prospectus

PCMTRE cruise method. Back off applied. Market prices are falling and have not been reflected yet in our publications. -PJM

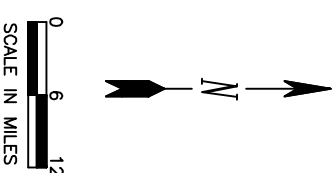
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MEDFORD DISTRICT
MINI MULE TIMBER SALE
TRACT NO. OR10-TS10-13

EXHIBIT C -1-
SHEET 1 OF 1-

Project
Area



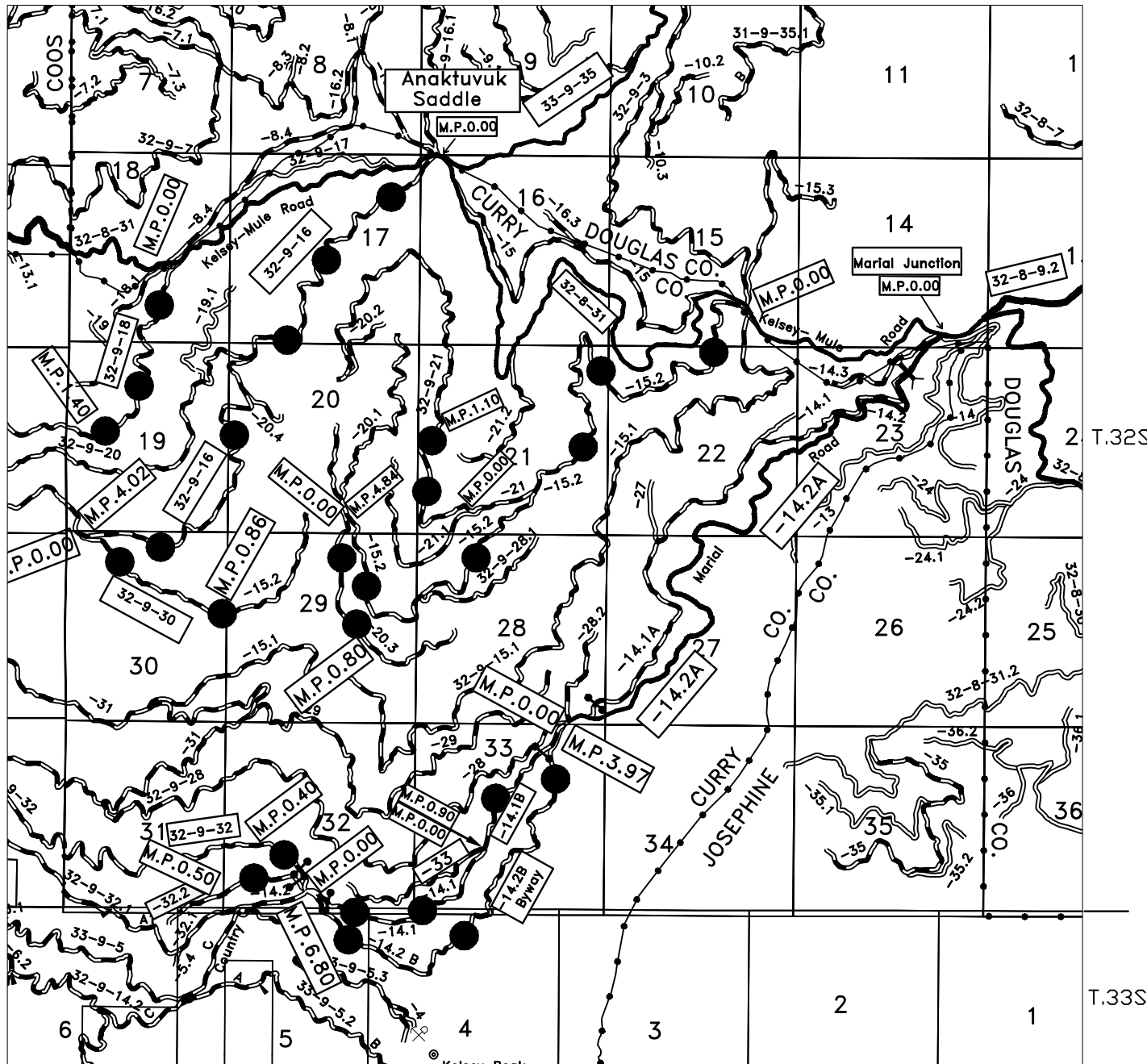
| Exhibit No. | Description |
|-------------|------------------------------------|
| C1 | TITLE SHEET |
| C2 | ROAD LOCATION MAP |
| C3 | ESTIMATE OF QUANTITIES |
| C4 | ROAD SPECIFICATION SHEET |
| C5 | TYPICAL ROAD DATA SHEET |
| C6 | DRAINAGE & EROSION CONTROL DETAILS |
| C7 | ROADSIDE BRUSHING DETAIL |
| C8 | ROAD RENOVATION WORKLIST |
| C9 | WRITTEN SPECIFICATIONS |
| C10 | SPECIAL PROVISIONS |
| D1 | ROAD MAINTENANCE SPECIFICATIONS |
| D2 | ROAD MAINTENANCE MAP |



ALWAYS
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SAFETY

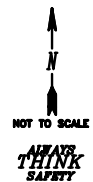
| | | | |
|---|--------------|----------|---------|
| REV. NO. | DESCRIPTION | DATE | APPROV. |
| | | | |
| UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON | | | |
| TITLE SHEET | | | |
| DESIGNED | | | |
| REVIEWED | | | |
| APPROVED | | | |
| DRAWN: JB | SCALE | AS SHOWN | |
| DATE June 2010 | SHEET 1 OF 1 | | |
| DRAWING NO. OR-11-9113.4-1 | | | |

R. 9 W



MINI MULE TIMBER SALE TRACK # OR110-TS09-13 EXHIBIT C-2 SHEET 1 of 1

- BST Road
- Rocked Road
- Natural Surface Road
- Quarry
- BLM Ownership
- Existing Barricade
- Existing Gate
- Road To Be Renovated



| REV. NO. | DESCRIPTION | DATE | APPROV. |
|-------------------|---|-------|----------|
| 1 | UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON | | |
| ROAD LOCATION MAP | | | |
| DESIGNED | | | |
| REVIEWED | | | |
| APPROVED | | | |
| DRAWN: | JB | SCALE | AS SHOWN |
| DATE: | 07-09 | SHEET | 1 OF 2 |
| DRAWING NO. | OR-11-9113.4-1 | | |

EXHIBIT C - 3 SHEET 1 OF 1

| ROAD NUMBER | FROM | TO | LENGTH | CLEARING AND GRUBBING | EXCAVATION | | CORRUGATED METAL PIPE | | | | | | RENOVATION | WATERDIPS | WATERBARS | AGGREGATE | | | | | SOIL STABILIZATION | ROADSIDE BRUSHING | ROAD BARRICADE | DISCONTINUOUS RIPPING | | |
|-------------------------|------|------|--------|-----------------------------|------------|--------|-----------------------|------|------|------|--------|--------------------|------------|-----------|-----------|-----------|--|--|--|--|-----------------------|----------------------|-------------------|--------------------------|--|--|
| | | | | | ROCK | COMMON | SIZE | | | | ELBOWS | DOWNSPOUT ROUND | | | | | | | | | | | | | | |
| SPECIFICATION NO. _____ | | | | 200 | 300 | 300 | 18" | 24" | 30" | 36" | 400 | 400 | 400 | 400 | 400 | | | | | | | | | | | |
| UNIT | MP | MP | MILE | ACRE | C.Y. | C.Y. | L.F. | L.F. | L.F. | L.F. | EA. | L.F. | L.F. | | | | | | | | | | | | | |
| 32-9-14.1 B | 0.00 | 0.90 | 0.90 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-14.2 B | 3.97 | 6.69 | 2.72 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-14.2 C | 6.69 | 6.80 | 0.11 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-15.2 A | 0.00 | 4.84 | 4.84 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-15.2 C | 0.00 | 0.80 | 0.80 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-16.0 A | 0.00 | 4.02 | 4.02 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-18.0 | 0.00 | 1.40 | 1.40 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-20.3 | 0.00 | 0.80 | 0.80 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-21.0 | 0.00 | 1.10 | 1.10 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-30.0 | 0.00 | 0.86 | 0.86 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-32.0 | 0.00 | 0.40 | 0.40 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-32.2 | 0.00 | 0.50 | 0.50 | | | | | | | | | | | | | | | | | | | | | | | |
| 32-9-33.0 | 0.00 | 0.90 | 0.90 | | | | | | | | | | | | | | | | | | | | | | | |
| TOTALS | | | 19.35 | | | | | | | | | | | | | | | | | | | | | | | |

ITEM 1000

ITEM 1200

SIZE GRADE
 3 inch A,F
 2 inch B,C,G
 1 1/2 inch D
 1 inch E

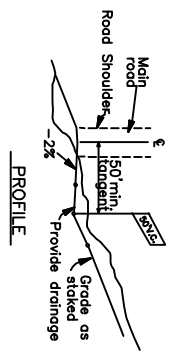
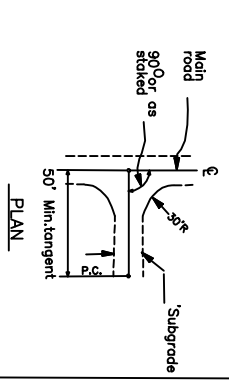
SIZE GRADE
 1 1/2 inch C,C-1
 1 inch D,F
 3/4 inch E,E-1

ALWAYS
THINK
SAFETY

* FOR INFORMATIONAL USE ONLY,
QUANTITIES SHOWN ARE NOT PAY ITEMS.

| | | | |
|--------------------------|--|-------|---------|
| REV. NO. | DESCRIPTION | DATE | APPROV. |
| | UNITED STATES DEPARTMENT OF THE INTERIOR | | |
| | BUREAU OF LAND MANAGEMENT | | |
| | MEDFORD DISTRICT - MEDFORD, OREGON | | |
| ESTIMATE OF QUANTITIES * | | | |
| DESIGNED | | | |
| REVIEWED | | | |
| APPROVED | | | |
| DRAWN | JB | SCALE | NONE |
| DATE | 07-09 | SHEET | 1 OF 1 |
| DRAWING NO. | OR-11-91134-2 | | |

TYPICAL ROAD APPROACHES

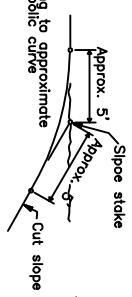


TYPICAL SURFACING SECTION

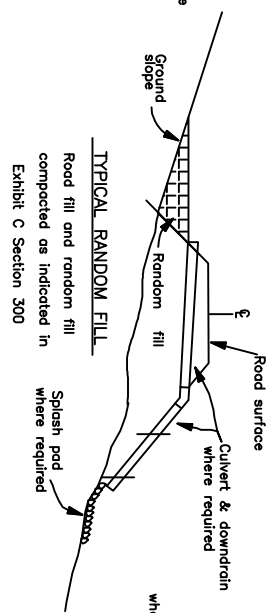
NOTES:

1. The profile of the existing approach roads shall be topped 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.

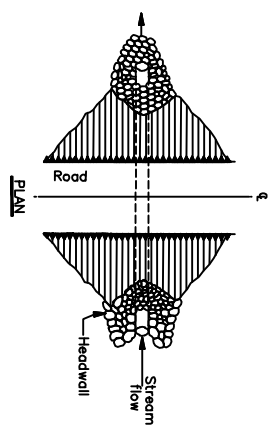
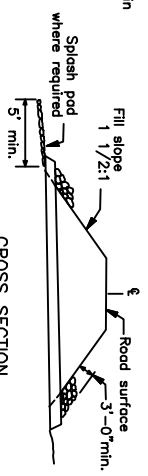
CUT SLOPE ROUNDING



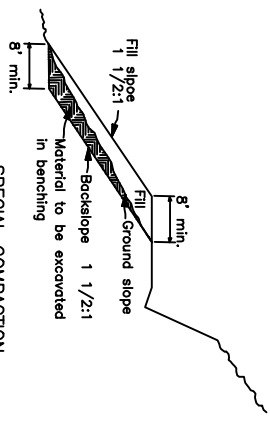
TYPICAL RANDOM FILL



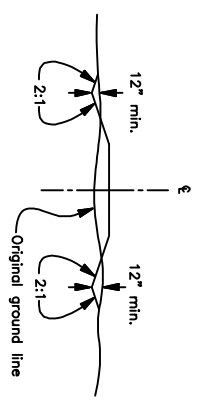
CROSS SECTION



TYPICAL BENCHING SECTION

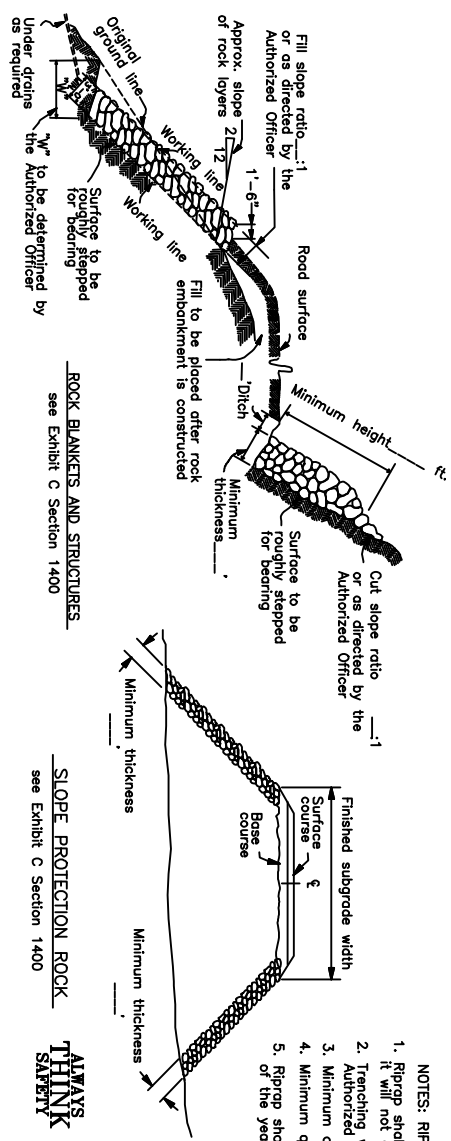
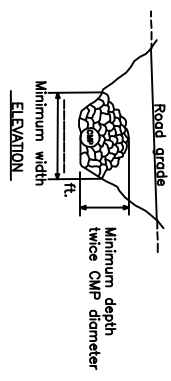


TYPICAL ROAD SECTION FOR TURNPIKE CONSTRUCTION



NOTES:

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 1 ft.
4. Minimum quantity shall be 1 CY per CMP.
5. Riprap shall be placed before October first of the year the CMP is installed.



ROCK BLANKETS AND STRUCTURES

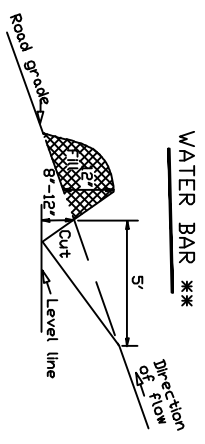
see Exhibit C Section 1400

SLOPE PROTECTION ROCK

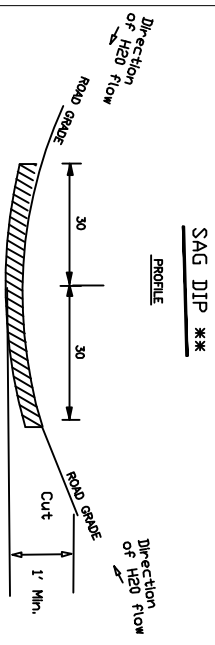
see Exhibit C Section 1400

ALWAYS THINK SAFETY

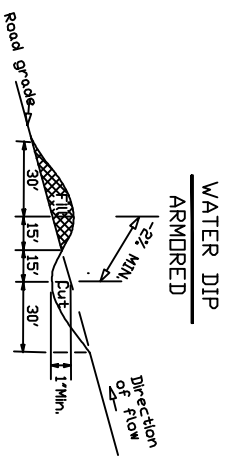
| | | | | |
|-------------|----------------|----------|-------|----------|
| DESIGNED | REVIEWED | APPROVED | DATE | APPROVED |
| DRAWN | DATE | SCALE | SHEET | |
| 5-12-89 | 1 OF 1 | NONE | | |
| DRAWING NO. | OR-11-9113.4-4 | | | |



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.

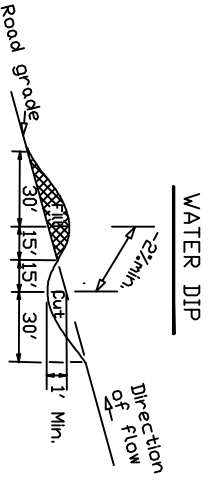


1. SAG DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE FLAGGED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL SAG DIPS SHALL BE SKEWED @ 0 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE VEHICLES.
5. BOTTOM OF SAG DIP SHALL HAVE A 2% MINIMUM DOWNSLOPE.
6. PLACE, SPREAD AND COMPACT 20 CU. YDS. SURFACING MATERIAL IN DIP AREA TO MATCH ROAD SURFACING.
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).

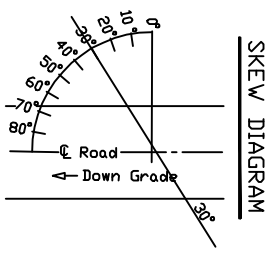


1. WATER DIPS SHALL BE CONSTRUCTED AS SHOWN ABOVE.
2. EXACT LOCATION WILL BE STAKED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
3. ALL WATER DIPS SHALL BE SKEWED 30 DEGREES.
4. THE LENGTH SHALL BE SUFFICIENT TO EXTEND FROM THE CUT BANK TO THE FILL SLOPE AND BE READILY CROSSED BY PASSENGER TYPE VEHICLES.
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.

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



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.

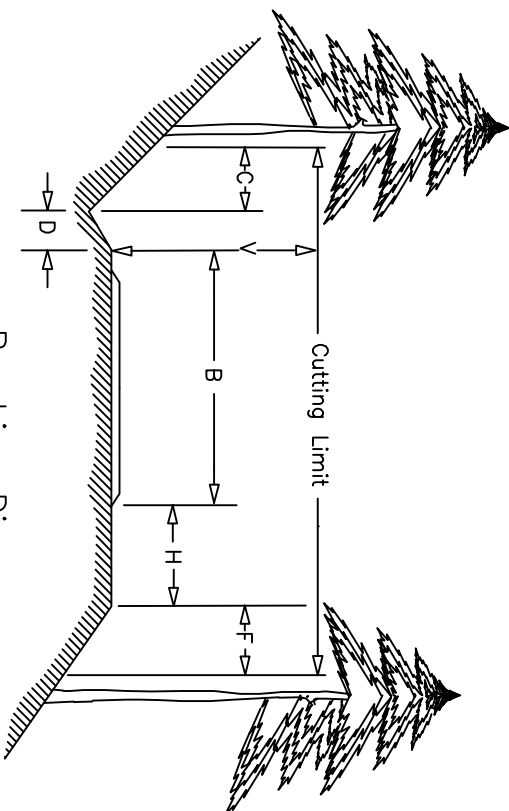


| | | | |
|-------------|---------------|--------------|---------|
| REV. NO. | DESCRIPTION | DATE | APPROV. |
| DESIGNED | | | |
| REVIEWED | | | |
| APPROVED | | | |
| DRAWN | RAP | SCALE | NONE |
| DATE | 03-25-03 | SHEET 1 OF 1 | |
| DRAWING NO. | DR-11-91134-9 | | |

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

**DRAINAGE & EROSION
CONTROL INSTALLATION**

**ALWAYS
THINK
SAFETY**



Brushing Diagram

Cutting Limit = $C + D + B + H + F$

B = Basic Traveled Way (includes turnouts)
Width shall be determined by the PI

C = 4 ft - Distance to be brushed on cut slope
beyond centerline of ditch

D = Centerline of ditch to inside shoulder

H = Variable distance between edge of traveled way and
outside shoulder (does not include turnout widths)

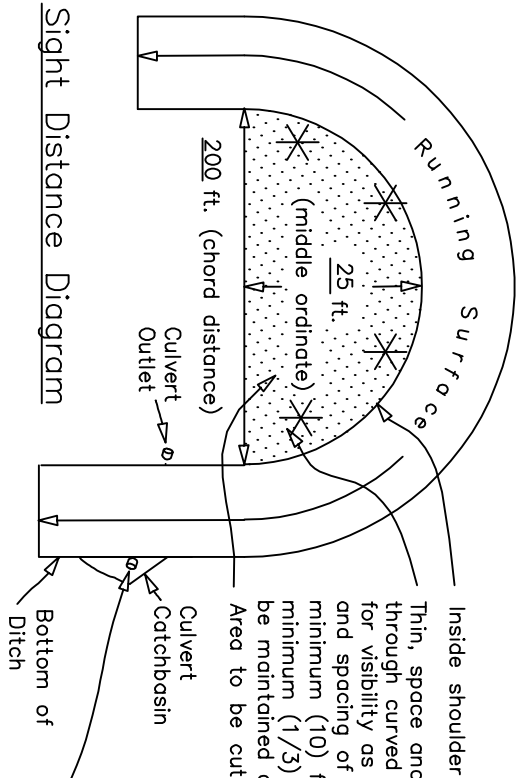
F = Distance to be brushed on fill slope beyond outside shoulder
(F = 4 when H is 4 ft or less)

(F = 0 when H is greater than 4 ft)

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



Inside shoulder
Thin, space and prune trees
through curved sections of road
for visibility as shown. Thinning
and spacing of trees shall be a
minimum (10) feet apart. A
minimum (1/3) tree crown shall
be maintained on any pruned tree.
Area to be cut

Culvert
Catchbasin

Clear 4 ft radius around all culvert
inlets and outlets.

Bottom of
Ditch

Sight Distance Diagram

| | | | |
|----------|----------------------|-----------------|---------|
| REV. NO. | DESCRIPTION | DATE | APPROV. |
| 1 | DESIGNED | | |
| 2 | REVIEWED | | |
| 3 | APPROVED | | |
| 4 | DRAWN: Dai Longprade | SCALE: AS SHOWN | |
| 5 | DATE: 06/04 | SHEET: 1 OF 1 | |
| 6 | DRAWING NO. | | |

**ROADSIDE BRUSHING
DETAIL**

Mini Mule Timber Sale Worklist

32-9-14.1 Segment B (Marial Jeep Road)

| <u>MP</u> | <u>Tasks</u> |
|------------------|--|
| 0.00 | Begin roadside brushing. |
| 0.02 | Pipe gate. |
| 0.90 | Road junction right with 32-9-33.0. End roadside brushing. |

32-9-14.2 Segments A, B, and C (Marial Road)

| <u>MP</u> | <u>Tasks</u> |
|------------------|--|
| 0.00 | Begin Marial Road. |
| 0.23 | Road junction right with 32-9-14.1A (Barricaded). |
| 3.84 | Road junction right with 32-9-14.1A (Gated). |
| 3.97 | Road junction right with 32-9-28.0. End chip seal. |
| 3.97 | Begin road renovation. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Begin blading road. Clean ditch where needed. |
| 3.98 | Road junction right with 32-9-14.1B (Gated). |
| 4.01 | Existing 18" CMP. |
| 4.19 | Existing 18" CMP. |
| 4.35 | Existing 18" CMP. |
| 4.54 | Existing 18" CMP. |
| 4.75 | Existing 18" CMP. |
| 4.87 | Existing 18" CMP. |
| 4.96 | Existing 18" CMP. |
| 5.06 | Existing 18" CMP. |
| 5.16 | Existing 18" CMP. |
| 5.32 | Existing 18" CMP. |
| 5.40 | Existing 18" CMP. |
| 5.57 | Existing 18" CMP. |
| 5.65 | Existing 18" CMP. |
| 5.70 | Existing 24" CMP. |
| 5.89 | Existing 18" CMP. |
| 6.15 | Existing 18" CMP. |
| 6.18 | Existing 24" CMP. |
| 6.39 | Existing 18" CMP. |
| 6.46 | Existing 18" CMP. |
| 6.58 | Existing 18" CMP. |
| 6.69 | Road junction right with 32-9-32.0 (Gated) and 32-9-32.2 (Gated). |
| 6.78 | Existing 18" CMP. |
| 6.80 | End road renovation. |

32-9-15.2 Segment A (Lower Mule Creek Road)

| <u>MP</u> | <u>Tasks</u> |
|------------------|--|
| 0.00 | Begin road renovation. Brush all culvert inlets and outlets. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Begin blading road. Clean ditch where needed. |
| 0.05 | Existing 18" CMP. |
| 0.21 | Existing 18" CMP. |
| 0.25 | Existing 24" CMP. |
| 0.40 | Existing 24" CMP with a 10' full round downspout. |
| 0.48 | Existing 24" CMP. |
| 0.58 | Existing 18" CMP. |
| 0.68 | Existing 18" CMP. |
| 0.85 | Existing 18" CMP. |
| 1.06 | Existing 18" CMP with a 10' half round downspout. |
| 1.10 | Existing 18" CMP with a 10' full round downspout. |
| 1.21 | Existing 18" CMP. |
| 1.32 | Existing 18" CMP. |
| 1.40 | Existing 18" CMP with a 20' full round downspout. |
| 1.49 | Existing 18" CMP with a 20' full round downspout. |
| 1.61 | Existing 18" CMP with a 30' full round downspout. |
| 1.66 | Existing 48" CMP. |
| 1.71 | Existing 18" CMP with a 20' full round downspout. |
| 1.75 | Existing 18" CMP. |
| 1.87 | Existing 30" CMP. |
| 2.06 | Existing 24" CMP with a 10' full round downspout. |
| 2.13 | Existing 18" CMP. |
| 2.23 | Existing 36" CMP with a 20' full round downspout. |
| 2.38 | Existing 30" CMP. |
| 2.46 | Existing 24" CMP. |
| 2.61 | Existing 30" CMP. |
| 2.73 | Existing 24" CMP. |
| 2.75 | Existing 24" CMP. |
| 2.84 | Road junction right with 32-9-21.0 (Gated). |
| 2.87 | Existing 18" CMP with a 10' full round downspout. |
| 3.00 | Existing 18" CMP. |
| 3.09 | Existing 24" CMP. |
| 3.23 | Existing 18" CMP. |
| 3.28 | Existing 24" CMP. |
| 3.36 | Existing 18" CMP. |
| 3.47 | Existing 24" CMP. |
| 3.71 | Existing 24" CMP. |
| 3.83 | Road junction left with 32-9-28.1 (Gated). |
| 3.86 | Existing 24" CMP. |

- 3.94 Existing 18" CMP.
- 4.01 Existing 18" CMP.
- 4.10 Existing 18" CMP.
- 4.18 Existing 18" CMP.
- 4.31 Existing 18" CMP with a 10' half round downspout.
- 4.44 Existing 18" CMP.
- 4.54 Existing 18" CMP.
- 4.57 Existing 18" CMP.
- 4.71 Existing 24" CMP.
- 4.84 Road junction left with 32-9-20.3 (Gated).
- 4.84 End road renovation.

**32-9-15.2 Segment C (Lower Mule Creek Road;
M.P. start from BLM Road #32-9-30.0)**

MP Tasks

- 0.00 Begin road renovation. Begin roadside brushing and chipping. Brush all culvert inlets and outlets. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Begin blading road. Clean ditch where needed.
- 0.05 Existing 18" CMP.
- 0.14 Existing 18" CMP.
- 0.22 Existing 24" CMP.
- 0.27 Existing 18" CMP.
- 0.30 Existing 18" CMP.
- 0.42 Existing 18" CMP.
- 0.50 Existing 18" CMP.
- 0.55 Existing 18" CMP.
- 0.59 Existing 18" CMP with a 20' full round downspout.
- 0.65 Existing 24" CMP.
- 0.72 Existing 18" CMP with a 20' full round downspout.
- 0.77 Existing 18" CMP.
- 0.80 Road barricaded. End road renovation.

32-9-16.0 Segment A (Arrasta Fork)

MP Tasks

- 0.00 Begin road renovation. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Begin blading road. Clean ditch where needed.
- 0.10 Existing 18" CMP.
- 0.22 Existing 18" CMP.
- 0.37 Existing 18" CMP.
- 0.40 Existing 24" CMP.
- 0.48 Existing 18" CMP.
- 0.61 Existing 24" CMP.

- 0.70 Existing 18" CMP.
- 0.78 Existing 24" CMP.
- 0.86 Existing 24" CMP with a 20' full round downspout.
- 0.94 Existing 18" CMP.
- 1.04 Existing 24" CMP.
- 1.22 Existing 18" CMP with a 20' full round downspout.
- 1.26 Existing 24" CMP.
- 1.38 Existing 18" CMP.
- 1.53 Existing 18" CMP.
- 1.62 Existing 18" CMP.
- 1.67 Existing 18" CMP.
- 1.73 Existing 24" CMP.
- 1.81 Existing 36" CMP.
- 1.90 Road junction right with 32-9-20.0 (Gated).
- 1.98 Existing 18" CMP.
- 2.07 Existing 24" CMP with a 40' full round downspout. Pump Chance.
- 2.15 Existing 18" CMP with a 10' half round downspout.
- 2.23 Road junction left with 32-9-20.4.
- 2.26 Existing 18" CMP with a 20' half round downspout.
- 2.37 Existing 24" CMP.
- 2.46 Existing 30" CMP.
- 2.52 Existing 30" CMP.
- 2.55 Existing 18" CMP with a 20' half round downspout.
- 2.63 Existing 18" CMP.
- 2.78 Existing 24" CMP.
- 2.80 Existing 24" CMP.
- 2.89 Existing 18" CMP.
- 2.96 Existing 18" CMP.
- 3.05 Existing 24" CMP.
- 3.16 Existing 24" CMP.
- 3.23 Existing 18" CMP.
- 3.37 Existing 30" CMP.
- 3.49 Existing 18" CMP.
- 3.58 Existing 18" CMP.
- 3.66 Existing 18" CMP.
- 3.76 Existing 36" CMP.
- 3.84 Existing 18" CMP.
- 3.88 Existing 18" CMP.
- 3.98 Existing 18" CMP.
- 4.02 Road junction left with 32-9-30.0.
- 4.02 End road renovation.

32-9-18.0 (August Knob)

MP Tasks

- 0.00 Begin roadside brushing. Brush all culvert inlets and outlets.
- 0.01 Pipe gate.
- 0.12 Existing 18" CMP. Clean plugged culvert inlet and outlet.
- 0.16 Existing 18" CMP. Clean plugged culvert inlet.
- 0.29 Existing 24" CMP with a 20' full round downspout.
- 0.40 Existing 18" CMP. Clean plugged culvert outlet.
- 0.46 Existing 30" CMP.
- 0.50 Existing 18" CMP with a 10' full round downspout.
- 0.59 Existing 18" CMP with a 6' half round downspout. Clean plugged culvert inlet.
- 0.70 Existing 18" CMP.
- 0.73 Existing 24" CMP with a 20' full round downspout.
- 0.79 Existing 18" CMP with a 10' half round downspout.
- 0.89 Existing 24" CMP. Pump chance.
- 0.99 Existing 18" CMP with an 8' half round downspout. Clean plugged culvert inlet.
- 1.12 Existing 18" CMP.
- 1.24 Existing 18" CMP.
- 1.38 Existing 18" CMP with a 6' half round downspout. Clean plugged culvert inlet.
- 1.40 End roadside brushing.

32-9-20.3 (Switchback Mule P1)

| <u>MP</u> | <u>Tasks</u> |
|------------------|---------------------|
|------------------|---------------------|

- | | |
|------|--|
| 0.00 | Begin roadside brushing. Brush all culvert inlets and outlets. |
| 0.01 | Pipe Gate. |
| 0.04 | Existing 18" CMP with a 10' full round downspout. |
| 0.13 | Existing 24" CMP. |
| 0.18 | Existing 18" CMP. |
| 0.30 | Existing 36" CMP. |
| 0.33 | Existing 36" CMP. |
| 0.36 | Existing 18" CMP. Clean plugged culvert outlet. |
| 0.38 | Existing 18" CMP. |
| 0.45 | Existing 18" CMP. |
| 0.57 | Existing 18" CMP. |
| 0.67 | Existing 18" CMP. |
| 0.74 | Existing 18" CMP. |
| 0.76 | Existing 18" CMP. |
| 0.80 | End roadside brushing. |

32-9-21.0 (Middle North Fork Mule Creek)

| <u>MP</u> | <u>Tasks</u> |
|------------------|---------------------|
|------------------|---------------------|

- | | |
|------|--|
| 0.00 | Begin roadside brushing. Brush all culvert inlets and outlets. |
| 0.01 | Existing 18" CMP. |
| 0.03 | Pipe gate. |
| 0.12 | Existing 24" CMP. |

- 0.21 Existing 24" CMP.
- 0.28 Road junction left with 32-9-21.1.
- 0.33 Existing 18" CMP.
- 0.41 Existing 24" CMP.
- 0.53 Existing 18" CMP.
- 0.91 Existing 18" CMP.
- 0.99 Existing 18" CMP.
- 1.10 End roadside brushing.

32-9-30.0 (Arrasta Tie)

| | |
|------------------|---------------------|
| <u>MP</u> | <u>Tasks</u> |
|------------------|---------------------|

- | | |
|------|--|
| 0.00 | Begin road renovation. Begin roadside brushing and chipping. Brush all culvert inlets and outlets. Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam location. Begin blading road. Clean ditch where needed. |
| 0.06 | Existing 18" CMP. |
| 0.13 | Existing 18" CMP. |
| 0.20 | Existing 24" CMP. |
| 0.26 | Existing 36" CMP. |
| 0.39 | Existing 18" CMP. |
| 0.46 | Existing 18" CMP. |
| 0.51 | Existing 18" CMP. |
| 0.56 | Existing 18" CMP. |
| 0.60 | Existing 18" CMP. Clean plugged culvert outlet. |
| 0.64 | Existing 18" CMP. |
| 0.68 | Existing 18" CMP. |
| 0.71 | Existing 18" CMP. |
| 0.74 | Existing 24" CMP. |
| 0.84 | Existing 18" CMP. Clean plugged culvert outlet. |
| 0.86 | Junction left with 32-9-15.2 Segment C. |
| 0.86 | End road renovation. |

32-9-32.0 (Fourmile Saddle)

| | |
|------------------|---------------------|
| <u>MP</u> | <u>Tasks</u> |
|------------------|---------------------|

- | | |
|------|--|
| 0.00 | Begin roadside brushing. Brush all culvert inlets and outlets. |
| 0.03 | Existing 18" CMP. |
| 0.04 | Pipe gate. |
| 0.15 | Existing 18" CMP. |
| 0.21 | Existing 18" CMP. |
| 0.30 | Existing 18" CMP. |

0.40 End roadside brushing.

32-9-32.2 (Jeep Ridge)

MP Tasks

0.00 Begin roadside brushing. Brush all culvert inlets and outlets.
0.01 Existing 18" CMP.
0.04 Pipe gate.
0.50 End roadside brushing.

32-9-33.0 (Bruin Relog)

MP Tasks

0.00 Begin road renovation. Begin roadside brushing. Brush all culvert inlets and outlets.
Clean all culvert inlets, outlets, and catch basins and place debris downslope of ditch dam
location. Begin blading road.
0.25 Existing 18" CMP.
0.38 Existing 18" CMP.
0.54 Existing 18" CMP.
0.62 Existing 18" CMP.
0.74 Existing 18" CMP.
0.84 Existing 18" CMP.
0.90 End road renovation.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROAD SPECIFICATIONS

INDEX

| | |
|------|------------------------------|
| 100 | GENERAL |
| 500 | RENOVATION OF EXISTING ROADS |
| 1800 | SOIL STABILIZATION |
| 2100 | ROADSIDE BRUSHING |

GENERAL - 100

*101 - Pework Conference(s):

A prework conference will be held prior to the start of improvements, renovation, reconstruction, or seeding and mulching 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). A Pework conference shall be scheduled before operations begin.

*102 - Definitions:

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

ACI - American Concrete Institute

ASTM - American Society for Testing and Materials.

Base Course - Surfacing structure consisting of crushed gravel or stone, crushed sandstone, pit run 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.

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 sidcasting material outside of the road prism.

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

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.

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

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

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

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.

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

Road Centerline - Longitudinal center of 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.

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 pit run 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.

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.

RENOVATION 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 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:

| <u>Road No.</u> | <u>From M.P.</u> | <u>to M.P.</u> |
|--------------------|------------------|----------------|
| <u>32-9-14.2 B</u> | <u>3.97</u> | <u>6.69</u> |
| <u>32-9-14.2 C</u> | <u>6.69</u> | <u>6.80</u> |
| <u>32-9-15.2 A</u> | <u>0.00</u> | <u>4.84</u> |
| <u>32-9-15.2 C</u> | <u>0.00</u> | <u>0.80</u> |
| <u>32-9-16.0 A</u> | <u>0.00</u> | <u>4.02</u> |
| <u>32-9-30.0</u> | <u>0.00</u> | <u>0.86</u> |
| <u>32-9-33.0</u> | <u>0.00</u> | <u>0.90</u> |

- 502a - Rocks larger than (4) inches in maximum dimension shall be removed from the scarified layers of the roadbed. Material so removed will not be permitted to remain on road shoulders or in ditches.
- 502b - Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans.
- 508 - Vegetation encroaching on the roadbed and the drainage ditches of existing roads at the following locations:

| <u>Road No.</u> | <u>From M.P.</u> | <u>to M.P.</u> |
|--------------------|------------------|----------------|
| <u>32-9-14.1 B</u> | <u>0.00</u> | <u>0.90</u> |
| <u>32-9-15.2 C</u> | <u>0.00</u> | <u>0.80</u> |
| <u>32-9-18.0</u> | <u>0.00</u> | <u>1.40</u> |
| <u>32-9-20.3</u> | <u>0.00</u> | <u>0.80</u> |
| <u>32-9-21.0</u> | <u>0.00</u> | <u>1.10</u> |

| | | |
|------------------|-------------|-------------|
| <u>32-9-30.0</u> | <u>0.00</u> | <u>0.86</u> |
| <u>32-9-32.0</u> | <u>0.00</u> | <u>0.40</u> |
| <u>32-9-32.2</u> | <u>0.00</u> | <u>0.50</u> |
| <u>32-9-33.0</u> | <u>0.00</u> | <u>0.90</u> |

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

SOIL STABILIZATION - 1800

- *1801 - This work shall consist of seeding and mulching on designated cut, fill, borrow, disposal, and special areas in accordance with these specifications and as shown on the plans. This work is (not) required for road acceptance under Section 18 of this contract.
- 1802a- Soil stabilization work consisting of seeding and mulching shall be performed on 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 to: October 31.

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.
- 1806a- Additional soil stabilization work consisting of seeding mulching may be required at the option of the Authorized Officer. Providing the additional stabilization is not due to Purchaser negligence as specified in Sec. 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.
- 1809 - Mulch materials conforming to the requirements of Subsection 1809b shall be furnished by the Purchaser.
- 1809b- Natural wood cellulose or grass 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 noninjurious to plant growth shall be used. Processed wood cellulose or grass fiber shall be packaged in new, labeled containers in an air dry condition. Processed wood cellulose or grass fiber furnished by the Purchaser shall be one of the following brand names or approved equal.

Silva Fiber - Weyerhaeuser Timber Co.
Conweb Fiber - Wood Conversion Co.
Spra-Mulch - Spru-Mulch Industries, Inc.
Grass-Mulch - Grass Mulch, Inc.

If the Purchaser proposes using a wood or grass fiber other than those listed above, he shall furnish a sample and descriptive literature to the Authorized Officer for approval prior to application. Processed wood cellulose or grass fiber furnished by the Purchaser which has become wet or otherwise damaged in transit or storage will not be accepted.

- 1812 - The Purchaser shall furnish and apply to approximately 2 acres designated for treatment as shown on the plans, a mixture of grass seed and mulch material at the following rate of application:

Dry Application

| | |
|-------------|---|
| Native Seed | 10lbs/acre (if available) See Special Provision, Ex C-10, Page 1. |
| Mulch/Straw | 3000lbs/acre |

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

- 1815- The Purchaser may reduce the application rate on partially covered sloped and no application on areas already well stocked with grass or on rock surfaces.
- 1816b- Dry Method - Blowers, mechanical seeders, seed drills, landscape seeders, cultipacker seeders, fertilizer spreaders or other approved mechanical seeding equipment may be used when seed and fertilizer are to be applied in dry form.
- 1820 - The Purchaser shall notify the Authorized Officer at least (3) days in advance of date he intends to commence the specified soil stabilization work.
- *1826 - 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 - 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 or manually with hand tools, including chain saws.
- 2103 - Vegetation cut manually or mechanically less than 6 inches in diameter when measured 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 will be severed from the trunk.
- 2103a - Vegetation shall be cut and removed from the road bed between the outside shoulder(s) and the ditch centerline and such vegetation shall be cut to a maximum height of 1 inch above the ground and running surface. All limbs 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. 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.
- 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 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 Authorized Officer.
- 2113 - Roadside brushing shall be accomplished as shown on the plans and as listed below:

| <u>Road No.</u> | <u>From M.P.</u> | <u>to M.P.</u> |
|--------------------|------------------|----------------|
| <u>32-9-14.1 B</u> | <u>0.00</u> | <u>0.90</u> |
| <u>32-9-15.2 C</u> | <u>0.00</u> | <u>0.80</u> |
| <u>32-9-18.0</u> | <u>0.00</u> | <u>1.40</u> |
| <u>32-9-20.3</u> | <u>0.00</u> | <u>0.80</u> |
| <u>32-9-21.0</u> | <u>0.00</u> | <u>1.10</u> |
| <u>32-9-30.0</u> | <u>0.00</u> | <u>0.86</u> |
| <u>32-9-32.0</u> | <u>0.00</u> | <u>0.40</u> |
| <u>32-9-32.2</u> | <u>0.00</u> | <u>0.50</u> |
| <u>32-9-33.0</u> | <u>0.00</u> | <u>0.90</u> |

- 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 Devices.

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. While roadside brushing, there shall be no scarring or any other damage of the tree trunk or bole allowed. Use of excavators for brush removal will be at the discretion of the Authorized Officer. **All culvert inlets and outlets shall be brushed for a radius of 4 feet.**
4. 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.
5. The Purchaser shall clean culvert inlets or install new culverts 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.

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 MAP

GENERAL MAINTENANCE - 3000

- 3001 - The Purchaser shall be required to maintain all roads listed and/or referenced in Section 41(C-3) Special Provisions of this contract in accordance with Sections 3000, 3100, 3200, 3300 and 3400 of this exhibit.
- 3002 - The Purchaser shall maintain the cross section of existing dirt or gravelled 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 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.
- 3004 - The Purchaser shall be responsible for providing timely maintenance and cleanup on any road with logging units substantially completed prior to moving operations to other roads. The maximum length of nonmaintained or noncleanup of the road prism, shall not exceed the sum of one (1) mile at any time. Release of maintenance requirements may be granted, upon written request, when the conditions specified in Sections 3300 and 3400 are met satisfactorily.

OPERATIONAL MAINTENANCE - 3100

- 3101 - The Purchaser shall blade and shape the road surface and shoulders with a motor patrol 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 patrol 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 suitable turnout or 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.
- 3104b - The Purchaser shall be responsible for removal of all slides, 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 (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, 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 Timber Appraisal Production Cost Schedules. Adjustments in purchase price for completed work shall be made as necessary and no less than once per year when actual work is ongoing.

- 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 material eroded from road shoulders and fill slopes, up to fifteen (15) station yards in quantity, at any one site. The 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 Timber Appraisal Production Cost Schedules. 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 travelled 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 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 by such skidding activity is not considered maintenance and shall be repaired at the Purchaser's expense.

- 3108a - The Purchaser shall perform logging operations on gravel and/or bituminous roadways only where the locations have been marked on the ground and/or approved by the Authorized Officer. Repair of the road shall be as specified in Subsection 3401.

SEASONAL MAINTENANCE - 3200

- 3201 - The Purchaser shall perform preventive 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 cross ditching, removing ruts or other surface irregularities and all other 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 the Purchaser, 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 preceding operating seasons.
- 3203 - The Purchaser shall complete road cleanup and maintenance, as specified in Section 3100, at the completion of logging operations on any road 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 roads 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 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.

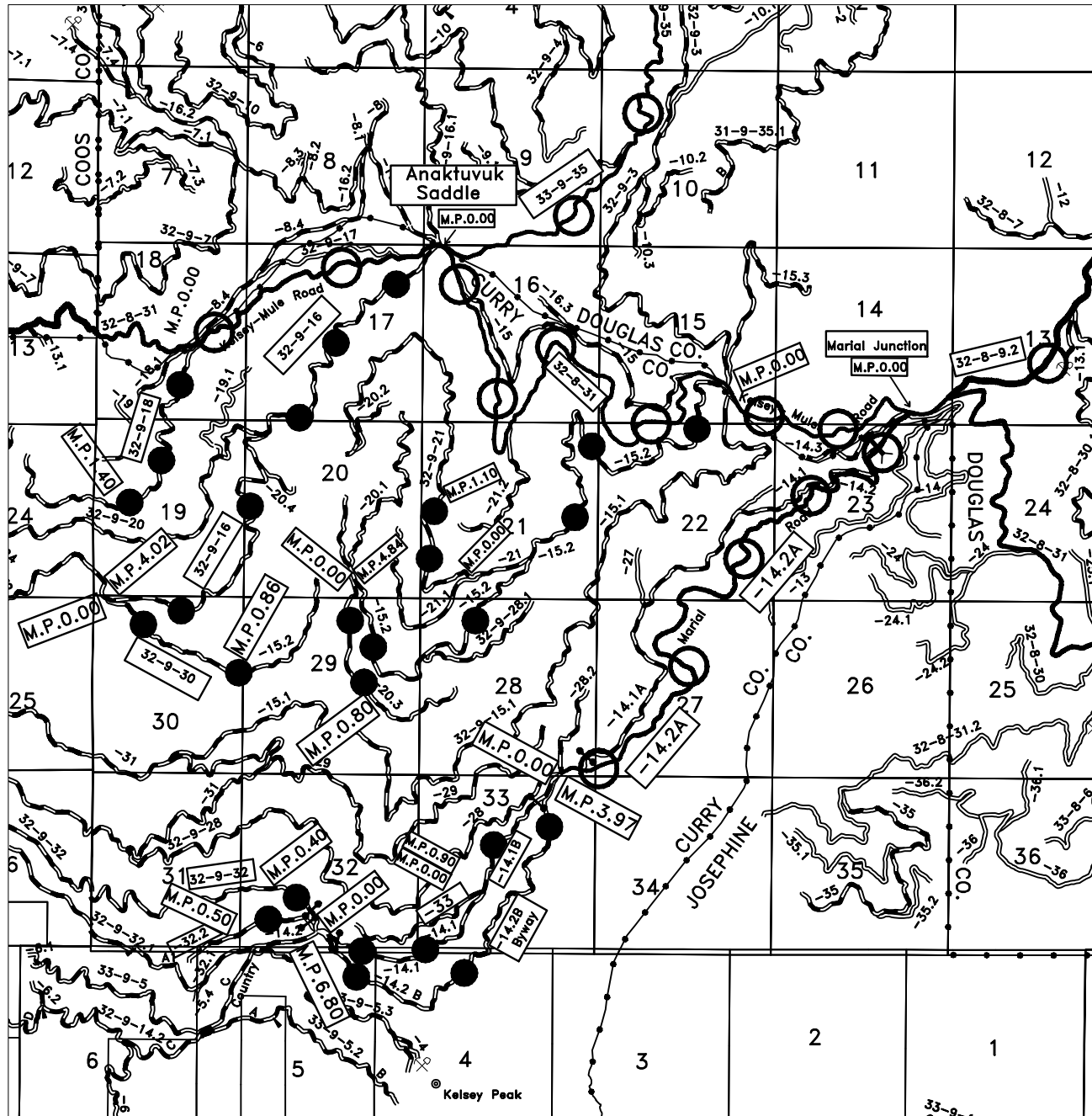
If final maintenance is delayed after the date required in Subsection 3301 of this contract by adverse soil moisture or unsuitable equipment operating conditions, the Purchaser will be notified by the Authorized Officer when soil moisture and equipment operating conditions are suitable. The Purchaser 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 and 3108a. 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.

R. 5 W

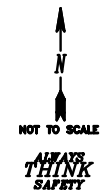


MINI MULE TIMBER SALE

TRACK # OR110-TS09-13

EXHIBIT D-2 SHEET 1 OF 1

- BST Road
- Rocked Road
- Natural Surface Road
- Quarry
- BLM Ownership
- PURCHASER MTC.
- BLM MTC.



| REV. NO. | DESCRIPTION | DATE | APPROV. |
|----------------------|---|------|---------|
| 1 | UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT MEDFORD DISTRICT - MEDFORD, OREGON | | |
| ROAD MAINTENANCE MAP | | | |
| DESIGNED | | | |
| REVIEWED | | | |
| APPROVED | | | |
| DRAWN: DL | SCALE AS SHOWN | | |
| DATE: 06-09 | SHEET 2 OF 2 | | |
| DRAWING NO. | OR-11-9113.4-1 | | |

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: Mini Mule Sale Date: 09/2010

Prepared by: Brown Ph: Print Date: 6/3/2010 6:49:10 AM

Construction: 1,021.69 sta (Surfaced 0.00 sta Natural 1021.69 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: | \$0.00 |
| Culvert: 0 lf wt = 0 lbs | |
| DownSpout: 0 lf | |
| PolyPipe: 0 lf | |
| 500 Renovation: | \$20,380.34 |
| Blading 14.25 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 | \$9,575.00 |
| 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. \$1,838.00 Surf. \$0.00..... | \$1,838.00 |
| Quarry Development: | \$0.00 |

Total: 1,927 mbf @ \$16.50/mbf = \$31,793.34

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities are COMPACTED in place cubic yards.

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-14.1 B Road Name: Marial Jeep Road

Road Construction: 0.90 mi 17 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: | \$0.00 |
| Culvert: 0 lf wt = 0 lbs factor = 1.2 | |
| DownSpout: 0 lf | |
| PolyPipe: 0 lf | |
| 500 Renovation: | \$0.00 |
| 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 | \$1,125.00 |
| 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. \$69.03 Surf. \$0.00..... | \$69.03 |
| Quarry Development: | \$0.00 |

Total: \$1,194.03

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-14.1 B Road Name: Marial Jeep Road

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside Brushing

Brushing and Scattering 0.9 mile x \$1,250.00/mile = \$1,125.00

Subtotal: \$1,125.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 3.76% of total Costs = \$69.03

surfacing = 0% \$0.00

Subtotal: \$69.03

Quarry Development:

Subtotal: \$0.00

Total: \$1,194.03

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-14.2 B Road Name: Marial Road

Road Construction: 2.72 mi 20 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: | \$3,958.28 |
| Blading 2.72 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 | \$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. \$242.87 Surf. \$0.00..... | \$242.87 |
| Quarry Development: | \$0.00 |

Total: \$4,201.15

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-14.2 B Road Name: Marial Road

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$459.60/\text{mi} \times 2.72 \text{ mi} = \$1,250.11$

Pull Ditches: $\$153.20/\text{mi} \times 2.72 \text{ mi} = \416.70

Clean Culverts: $\$292.45/\text{mi} \times 2.72 \text{ mi} = \795.46

Road renovation

Blading 2.72 Mile $\times \$250.00/\text{Mile} = \680.00

Pull Ditches 2.72 Mile $\times \$100.00/\text{Mile} = \272.00

Clean Culverts 2.72 Mile $\times \$200.00/\text{Mile} = \544.00

Subtotal: \$3,958.28

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 13.21% of total Costs = \$242.87

surfacing = 0% \$0.00

Subtotal: \$242.87

Quarry Development:

Road Number: 32-9-14.2 B Marial Road Continued

Subtotal: \$0.00

Total: \$4,201.15

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-14.2 C Road Name: Marial Road

Road Construction: 0.11 mi 20 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: | \$160.08 |
| Blading 0.11 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. \$9.82 Surf. \$0.00..... | \$9.82 |
| Quarry Development: | \$0.00 |
| Total: | \$169.90 |

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-14.2 C Road Name: Marial Road

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$459.60/\text{mi} \times 0.11 \text{ mi} = \50.56

Pull Ditches: $\$153.20/\text{mi} \times 0.11 \text{ mi} = \16.85

Clean Culverts: $\$292.45/\text{mi} \times 0.11 \text{ mi} = \32.17

Road Renovation

Clean Culverts 0.11 Mile $\times \$200.00/\text{Mile} = \22.00

Pull Ditches 0.11 Mile $\times \$100.00/\text{Mile} = \11.00

Blading 0.11 Mile $\times \$250.00/\text{Mile} = \27.50

Subtotal: \$160.08

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 0.53% of total Costs = \$9.82

surfacing = 0% \$0.00

Subtotal: \$9.82

Quarry Development:

Road Number: 32-9-14.2 C Marial Road Continued

Subtotal: \$0.00

Total: \$169.90

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-15.2 A Road Name: Lower Mule Cr Road

Road Construction: 4.84 mi 17 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: | \$6,324.32 |
| Blading 4.84 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. \$388.05 Surf. \$0.00..... | \$388.05 |
| Quarry Development: | \$0.00 |
| Total: | \$6,712.37 |

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-15.2 A Road Name: Lower Mule Cr Road

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$459.60/\text{mi} \times 4.84 \text{ mi} = \$2,224.46$

Pull Ditches: $\$153.20/\text{mi} \times 2.00 \text{ mi} = \306.40

Clean Culverts: $\$292.45/\text{mi} \times 4.84 \text{ mi} = \$1,415.46$

Road Renovation

Blading 4.84 Mile $\times \$250.00/\text{Mile} = \$1,210.00$

Culvert Cleaning 4.84 Mile $\times \$200.00/\text{Mile} = \968.00

Pulling Ditches 2.00 Mile $\times \$100.00/\text{Mile} = \200.00

Subtotal: \$6,324.32

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 21.11% of total Costs = \$388.05

surfacing = 0% \$0.00

Subtotal: \$388.05

Quarry Development:

Road Number: 32-9-15.2 A Lower Mule Cr Road Continued

Subtotal: \$0.00

Total: \$6,712.37

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-15.2 C Road Name: Lower Mule Cr Road

Road Construction: 0.80 mi 17 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: | \$1,164.20 |
| Blading 0.80 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 | \$1,000.00 |
| 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. \$132.79 Surf. \$0.00..... | \$132.79 |
| Quarry Development: | \$0.00 |
| Total: | \$2,296.99 |

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-15.2 C Road Name: Lower Mule Cr Road

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$459.60/\text{mi} \times 0.80 \text{ mi} = \367.68

Pull Ditches: $\$153.20/\text{mi} \times 0.80 \text{ mi} = \122.56

Clean Culverts: $\$292.45/\text{mi} \times 0.80 \text{ mi} = \233.96

Road Renovation

Blading 0.80 Mile $\times \$250.00/\text{Mile} = \200.00

Clean Culverts 0.80 Mile $\times \$200.00/\text{Mile} = \160.00

Pull Ditches 0.80 Mile $\times \$100.00/\text{Mile} = \80.00

Subtotal: \$1,164.20

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside Brushing

Brushing and Scattering 0.80 Mile $\times \$1,250.00/\text{Mile} = \$1,000.00$

Subtotal: \$1,000.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 7.22% of total Costs = \$132.79

surfacing = 0% \$0.00

Subtotal: \$132.79

Road Number: 32-9-15.2 C Lower Mule Cr Road Continued

Quarry Development:

Subtotal: \$0.00

Total: \$2,296.99

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-16.0 A Road Name: Arrasta Fork

Road Construction: 4.02 mi 17 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: | \$5,850.11 |
| Blading 4.02 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. \$358.95 Surf. \$0.00..... | \$358.95 |
| Quarry Development: | \$0.00 |

Total: \$6,209.06

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-16.0 A Road Name: Arrasta Fork

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$459.60/\text{mi} \times 4.02 \text{ mi} = \$1,847.59$

Pull Ditches: $\$153.20/\text{mi} \times 4.02 \text{ mi} = \615.86

Clean Culverts: $\$292.45/\text{mi} \times 4.02 \text{ mi} = \$1,175.65$

Road Renovation

Blading 4.02 Mile $\times \$250.00/\text{Mile} = \$1,005.00$

Clean Culverts 4.02 Mile $\times \$200.00/\text{Mile} = \804.00

Pull Ditches 4.02 Mile $\times \$100.00/\text{Mile} = \402.00

Subtotal: \$5,850.11

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Subtotal: \$0.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 19.53% of total Costs = \$358.95

surfacing = 0% \$0.00

Subtotal: \$358.95

Quarry Development:

Road Number: 32-9-16.0 A Arrasta Fork Continued

Subtotal: \$0.00

Total: \$6,209.06

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-18.0 Road Name: August Knob

Road Construction: 1.40 mi 17 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: | \$0.00 |
| 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 | \$1,750.00 |
| 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. \$107.38 Surf. \$0.00..... | \$107.38 |
| Quarry Development: | \$0.00 |

Total: \$1,857.38

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-18.0 Road Name: August Knob

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside Brushing

Brush and Scattering 1.40 Mile x \$1,250.00/Mile = \$1,750.00

Subtotal: \$1,750.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 5.84% of total Costs = \$107.38

surfacing = 0% \$0.00

Subtotal: \$107.38

Quarry Development:

Subtotal: \$0.00

Total: \$1,857.38

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-20.3 Road Name: Switchback Mule P1

Road Construction: 0.80 mi 17 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: | \$0.00 |
| Culvert: 0 lf wt = 0 lbs factor = 1.2 | |
| DownSpout: 0 lf | |
| PolyPipe: 0 lf | |
| 500 Renovation: | \$0.00 |
| 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 | \$1,000.00 |
| 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. \$61.36 Surf. \$0.00..... | \$61.36 |
| Quarry Development: | \$0.00 |

Total: \$1,061.36

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-20.3 Road Name: Switchback Mule P1

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside Brushing

Brushing and Scattering 0.80 Mile x \$1,250.00/Mile = \$1,000.00

Subtotal: \$1,000.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 3.34% of total Costs = \$61.36

surfacing = 0% \$0.00

Subtotal: \$61.36

Quarry Development:

Subtotal: \$0.00

Total: \$1,061.36

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-21.0 Road Name: Middle N. Fk. Mule

Road Construction: 1.10 mi 17 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: | \$0.00 |
| Culvert: 0 lf wt = 0 lbs factor = 1.2 | |
| DownSpout: 0 lf | |
| PolyPipe: 0 lf | |
| 500 Renovation: | \$0.00 |
| 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 | \$1,375.00 |
| 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. \$84.37 Surf. \$0.00..... | \$84.37 |
| Quarry Development: | \$0.00 |

Total: \$1,459.37

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-21.0 Road Name: Middle N. Fk. Mule

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside Brushing

Brushing and Scattering 1.10 Mile x \$1,250.00/Mile = \$1,375.00

Subtotal: \$1,375.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 4.59% of total Costs = \$84.37

surfacing = 0% \$0.00

Subtotal: \$84.37

Quarry Development:

Subtotal: \$0.00

Total: \$1,459.37

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-30.0 Road Name: Arrasta Tie

Road Construction: 0.86 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: | \$1,251.52 |
| Blading 0.86 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 | \$1,075.00 |
| 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. \$142.75 Surf. \$0.00..... | \$142.75 |
| Quarry Development: | \$0.00 |
| Total: | \$2,469.27 |

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-30.0 Road Name: Arrasta Tie

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: $\$459.60/\text{mi} \times 0.86 \text{ mi} = \395.26

Pull Ditches: $\$153.20/\text{mi} \times 0.86 \text{ mi} = \131.75

Clean Culverts: $\$292.45/\text{mi} \times 0.86 \text{ mi} = \251.51

Road Renovation

Blading 0.86 Mile $\times \$250.00/\text{Mile} = \215.00

Clean Culverts 0.86 Mile $\times \$200.00/\text{Mile} = \172.00

Pull Ditches 0.86 Mile $\times \$100.00/\text{Mile} = \86.00

Subtotal: \$1,251.52

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside Brushing

Brushing and Scattering 0.86 Mile $\times \$1,250.00/\text{Mile} = \$1,075.00$

Subtotal: \$1,075.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 7.77% of total Costs = \$142.75

surfacing = 0% \$0.00

Subtotal: \$142.75

Road Number: 32-9-30.0 Arrasta Tie Continued

Quarry Development:

Subtotal: \$0.00

Total: \$2,469.27

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-32.0 Road Name: Fourmile Saddle

Road Construction: 0.40 mi 17 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: | \$0.00 |
| 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 | \$500.00 |
| 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. \$30.68 Surf. \$0.00..... | \$30.68 |
| Quarry Development: | \$0.00 |

Total: \$530.68

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-32.0 Road Name: Fourmile Saddle

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside Brushing

Brushing and Scattering 0.40 Mile x \$1,250.00/Mile = \$500.00

Subtotal: \$500.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 1.67% of total Costs = \$30.68

surfacing = 0% \$0.00

Subtotal: \$30.68

Quarry Development:

Subtotal: \$0.00

Total: \$530.68

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-32.2 Road Name: Jeep Ridge

Road Construction: 0.50 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: | \$0.00 |
| 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 | \$625.00 |
| 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. \$38.35 Surf. \$0.00..... | \$38.35 |
| Quarry Development: | \$0.00 |

Total: \$663.35

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-32.2 Road Name: Jeep Ridge

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Subtotal: \$0.00

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside Brushing

Brushing and Scattering 0.50 Mile x \$1,250.00/Mile = \$625.00

Subtotal: \$625.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 2.09% of total Costs = \$38.35

surfacing = 0% \$0.00

Subtotal: \$38.35

Quarry Development:

Subtotal: \$0.00

Total: \$663.35

ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Mini Mule Sale Date: 09/2010

Road Number: 32-9-33.0 Road Name: Bruin Relog

Road Construction: 0.90 mi 16 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: | \$0.00 |
| Culvert: 0 lf wt = 0 lbs factor = 1.2 | |
| DownSpout: 0 lf | |
| PolyPipe: 0 lf | |
| 500 Renovation: | \$1,671.85 |
| Blading 0.90 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 | \$1,125.00 |
| 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. \$171.61 Surf. \$0.00..... | \$171.61 |
| Quarry Development: | \$0.00 |
| Total: | \$2,968.45 |

Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are COMPACTED in place cubic yards.

Road Construction Worksheet

Road Number: 32-9-33.0 Road Name: Bruin Relog

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Blading: \$459.60/mi x 0.90 mi = \$413.64

Clean Culverts: \$292.45/mi x 0.90 mi = \$263.21

Road Renovation

Blading 0.90 Mile x \$250.00/Mile = \$225.00

Clean Culverts 0.90 Mile x \$200.00/Mile = \$180.00

Pull Ditches 0.90 Mile x \$100.00/Mile = \$90.00

End of Road Cleanup 1 Each x \$500.00/Each = \$500.00

Subtotal: \$1,671.85

Surfacing:

Subtotal: \$0.00

Section 1300 Geotextiles:

Subtotal: \$0.00

Section 1400 Slope Protection:

Subtotal: \$0.00

Section 1800 Soil Stabilization:

Subtotal: \$0.00

Section 1900 Cattleguards:

Subtotal: \$0.00

Section 2100 Roadside Brushing:

Roadside Brushing

Brushing and Scattering 0.90 Mile x \$1,250.00/Mile = \$1,125.00

Subtotal: \$1,125.00

Section 2200 Surface Treatment:

Subtotal: \$0.00

Section 2300 Engineering:

Subtotal: \$0.00

Section 2400 Minor Concrete:

Subtotal: \$0.00

Section 2500 Gabions:

Subtotal: \$0.00

Section 8000 Miscellaneous:

Subtotal: \$0.00

Mobilization:

Construction - 9.34% of total Costs = \$171.61

surfacing = 0% \$0.00

Subtotal: \$171.61

Quarry Development:

| | |
|-----------|------------|
| Subtotal: | \$0.00 |
| Total: | \$2,968.45 |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mobilization Costs - Construction and Surfacing

T.S. Contract Name: Mini Mule Sale Date: 09/2010

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
Brush Cutter: 1 ea x (1.00 x \$335.00/ea) = \$335.00
RTBackhoes 24/30: 1 ea x (1.00 x \$335.00/ea + 20 mi x \$5.58/mi)= \$446.60
Water Truck: 1 ea x (1.00 x \$206.00/ea + 20 mi x \$4.12/mi)= \$288.40

Subtotal: \$1,838.00

Mobilization: Surfacing

Subtotal: \$0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Summary of Construction Quantities

T.S. Contract Name: Mini Mule Sale Date: 09/2010

| Road Number | Const | Improv | Renov | Decomm | Temp |
|-------------|--------|--------|-------|--------|------|
| 32-9-14.1 B | 47.52 | | | | |
| 32-9-14.2 B | 143.62 | | | | |
| 32-9-14.2 C | 5.81 | | | | |
| 32-9-15.2 A | 255.55 | | | | |
| 32-9-15.2 C | 42.24 | | | | |
| 32-9-16.0 A | 212.26 | | | | |
| 32-9-18.0 | 73.92 | | | | |
| 32-9-20.3 | 42.24 | | | | |
| 32-9-21.0 | 58.08 | | | | |
| 32-9-30.0 | 45.41 | | | | |
| 32-9-32.0 | 21.12 | | | | |
| 32-9-32.2 | 26.40 | | | | |
| 32-9-33.0 | 47.52 | | | | |

Total Sta: 1,021.69

| 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

| 500 Renovation | Miles | Slide cy |
|----------------|-------|----------|
| 32-9-14.2 B | 2.72 | 0 |
| 32-9-14.2 C | 0.11 | 0 |
| 32-9-15.2 A | 4.84 | 0 |
| 32-9-15.2 C | 0.80 | 0 |
| 32-9-16.0 A | 4.02 | 0 |
| 32-9-30.0 | 0.86 | 0 |
| 32-9-33.0 | 0.90 | 0 |
| Totals: | 14.25 | 0 |

Road renovation

| | | |
|-------------|--------------------------|-----------|
| 32-9-14.2 B | Blading | 2.72 Mile |
| 32-9-14.2 B | Pull Ditches | 2.72 Mile |
| 32-9-14.2 B | Clean Culverts | 2.72 Mile |

Road Renovation

| | | |
|-------------|--------------------------|-----------|
| 32-9-14.2 C | Clean Culverts | 0.11 Mile |
| 32-9-14.2 C | Pull Ditches | 0.11 Mile |
| 32-9-14.2 C | Blading | 0.11 Mile |

Road Renovation

| | | |
|-------------|----------------------------|-----------|
| 32-9-15.2 A | Blading | 4.84 Mile |
| 32-9-15.2 A | Culvert Cleaning | 4.84 Mile |
| 32-9-15.2 A | Pulling Ditches | 2.00 Mile |

Road Renovation

Continuation of Construction Quantities

| | | |
|-----------------|-------------------------------|-----------|
| 32-9-15.2 C | Blading | 0.80 Mile |
| 32-9-15.2 C | Clean Culverts | 0.80 Mile |
| 32-9-15.2 C | Pull Ditches | 0.80 Mile |
| Road Renovation | | |
| 32-9-16.0 A | Blading | 4.02 Mile |
| 32-9-16.0 A | Clean Culverts | 4.02 Mile |
| 32-9-16.0 A | Pull Ditches | 4.02 Mile |
| Road Renovation | | |
| 32-9-30.0 | Blading | 0.86 Mile |
| 32-9-30.0 | Clean Culverts | 0.86 Mile |
| 32-9-30.0 | Pull Ditches | 0.86 Mile |
| Road Renovation | | |
| 32-9-33.0 | Blading | 0.90 Mile |
| 32-9-33.0 | Clean Culverts | 0.90 Mile |
| 32-9-33.0 | Pull Ditches | 0.90 Mile |
| 32-9-33.0 | End of Road Cleanup | 1 Each |

Surfacing (Cubic Yards)

| | | | | |
|---------|----------|----------|----------|----------|
| Totals: | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
|---------|----------|----------|----------|----------|

1300 Geotextiles

| | |
|---------|---------------|
| Totals: | No Quantities |
|---------|---------------|

1400 Slope Protection

| | |
|---------|----------|
| Totals: | <u>0</u> |
|---------|----------|

| | | | |
|---------------------------------|------------------|-------------------|----------------|
| 1800 Soil stabilization - acres | Dry W/O Mulch | Dry/with Mulch | Hydro Mulch |
| Totals: | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |

1900 Cattleguards

| | |
|---------|---------------|
| Totals: | No Quantities |
|---------|---------------|

2100 RoadSide Brushing acres

| | |
|---------|------------|
| Totals: | <u>0.0</u> |
|---------|------------|

Roadside Brushing

| | | |
|-------------------|-----------------------------------|-----------|
| 32-9-14.1 B | Brushing and Scattering | 0.9 mile |
| Roadside Brushing | | |
| 32-9-15.2 C | Brushing and Scattering | 0.80 Mile |
| Roadside Brushing | | |
| 32-9-18.0 | Brush and Scattering | 1.40 Mile |
| Roadside Brushing | | |
| 32-9-20.3 | Brushing and Scattering | 0.80 Mile |
| Roadside Brushing | | |
| 32-9-21.0 | Brushing and Scattering | 1.10 Mile |
| Roadside Brushing | | |
| 32-9-30.0 | Brushing and Scattering | 0.86 Mile |
| Roadside Brushing | | |
| 32-9-32.0 | Brushing and Scattering | 0.40 Mile |
| Roadside Brushing | | |
| 32-9-32.2 | Brushing and Scattering | 0.50 Mile |

Continuation of Construction Quantities

Roadside Brushing

32-9-33.0 Brushing and Scattering 0.90 Mile

| | | |
|------------------------|----------|---------------|
| 2200 Surface Treatment | tons | L.F. |
| | Totals: | No Quantities |
| 2300 Engineering | stations | |
| | Totals: | <u>0.00</u> |
| 2400 Minor Concrete | Totals: | No Quantities |
| 2500 Gabions | Totals: | No Quantities |
| 8000 Miscellaneous | Totals: | No Quantities |

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 and Segment | A Surf N Type | Maint Mi | Vol x Fee x | MBF | Total = Maint |
|----------------------------|------------------|-------------|----------------|------|------------------|
| 30-6-32.0 D | A BST2 | 0.30 | 0.31 | 1927 | \$179.21 |
| 33-7-2.0 A | A BST2 | 8.49 | 0.31 | 1927 | \$5071.67 |
| 33-7-2.0 B | A BST2 | 2.47 | 0.31 | 1927 | \$1475.50 |
| 33-7-2.0 C | A BST2 | 0.10 | 0.31 | 1927 | \$59.74 |
| 31-9-35.0 | A BST1 | 4.70 | 0.46 | 1030 | \$2226.86 |
| 32-8-1.1 A | A BST2 | 2.40 | 0.31 | 1927 | \$1433.69 |
| 32-8-1.1 B1 | A BST1 | 1.44 | 0.46 | 1927 | \$1276.44 |
| 32-8-1.1 B2 | A BST1 | 3.49 | 0.46 | 1030 | \$1653.56 |
| 32-8-1.1 C | A BST1 | 2.90 | 0.46 | 1030 | \$1374.02 |
| 32-8-31.0 A3 | A BST1 | 0.35 | 0.46 | 897 | \$144.42 |
| 32-8-31.0 C | A BST1 | 1.75 | 0.46 | 156 | \$125.58 |
| 32-8-9.2 A | A BST1 | 4.70 | 0.46 | 897 | \$1939.31 |
| 32-8-9.2 B | A BST1 | 1.95 | 0.46 | 897 | \$804.61 |
| 32-9-14.2 A | A BST1 | 4.10 | 0.46 | 328 | \$618.61 |
| 32-8-31.0B16-1A | BST1 | 0.80 | 0.46 | 73 | \$26.86 |
| 32-8-31.0BPondA | BST1 | 1.28 | 0.46 | 569 | \$335.03 |

(2.1) Subtotal \$18745.12

- 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 and Segment | A Surf N Type | Maint Mi | Vol x Fee x | C.Y. | Total = 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 and Segment | A | Maint Mi | Vol x Fee x | MBF | Total = Maint | Rkwear Mi | Vol x Fee x | MBF | Total = 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 and Segment | A | Maint Mi | Vol x Fee x | C.Y. | Total = Maint | Rkwear Mi | Vol x Fee x | C.Y. | Total = 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/ | A | RkWear | Vol | Total | Rkwear | Vol | Total |
|-----------------|----|--------|---------|-------|----------|--------|---------------|--------|
| and Segment | N | Mi | x Fee x | MBF = | RkWear | Mi | x Fee x C.Y.= | RkWear |
| 32-9-32.0 | A | 0.40 | 0.46 | 138 | \$25.39 | | | |
| 32-9-32.2 | A | 0.50 | 0.46 | 140 | \$32.20 | | | |
| 32-9-14.2 C | A | 0.10 | 0.46 | 5 | \$0.23 | | | |
| 32-9-14.2 B | A | 2.90 | 0.46 | 283 | \$377.52 | | | |
| 32-9-33.0 | A | 0.90 | 0.46 | 45 | \$18.63 | | | |
| 32-9-14.1B | A | 0.90 | 0.46 | 45 | \$18.63 | | | |
| 32-9-18.0 | A | 1.40 | 0.46 | 156 | \$100.46 | | | |
| 32-9-15.2C30-2A | | 0.05 | 0.46 | 146 | \$3.36 | | | |
| 32-9-15.2C29-2A | | 0.80 | 0.46 | 64 | \$23.55 | | | |
| 32-9-30.0 30-4A | | 0.05 | 0.46 | 46 | \$1.06 | | | |
| 32-9-30.0 30-2A | | 0.90 | 0.46 | 229 | \$94.81 | | | |
| 32-9-16.0 | A | 0.45 | 0.46 | 229 | \$47.40 | | | |
| 32-9-16.0 30-1A | | 0.69 | 0.46 | 444 | \$140.93 | | | |
| 32-9-16.0 20-2A | | 0.54 | 0.46 | 625 | \$155.25 | | | |
| 32-9-16.0 20-3A | | 0.73 | 0.46 | 653 | \$219.28 | | | |
| 32-9-16.0 20-4A | | 0.44 | 0.46 | 681 | \$137.83 | | | |
| 32-9-16.0 17-2A | | 0.57 | 0.46 | 718 | \$188.26 | | | |
| 32-9-16.0 17-1A | | 0.61 | 0.46 | 801 | \$224.76 | | | |
| 32-9-20.3 | A | 145.00 | 0.46 | 1 | \$53.36 | | | |
| 32-9-21.0 | A | 1.10 | 0.46 | 28 | \$14.17 | | | |
| 32-9-15.2 End A | | 0.53 | 0.46 | 145 | \$35.35 | | | |
| 32-9-15.0 29-1A | | 0.45 | 0.46 | 193 | \$39.95 | | | |
| 32-9-15.0 28-3A | | 0.77 | 0.46 | 266 | \$94.22 | | | |
| 32-9-15.0 21-3A | | 0.24 | 0.46 | 367 | \$40.52 | | | |
| 32-9-15.0 21-4A | | 0.25 | 0.46 | 395 | \$45.43 | | | |
| 32-9-15.0 21-2A | | 2.60 | 0.46 | 569 | \$680.52 | | | |

(7.1) Subtotal \$2813.07

(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 stip. Note in prospectus.

7.3A Move In

| Equipment | 1/ | No | Move | Cost/ | Dist | Sub- |
|----------------|----|-------|--------|----------|----------|----------|
| | | Units | x in x | 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/: | | | | \$214.00 | 0.59 | \$0.00 |

(7.3A) Total \$876.00

- 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 |
| 5.00 | | 292.45 | | \$1462.25 |

(7.3B) Total \$1462.25

- 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: | 5.00 | | 459.60 | | 1 | | \$2298.00 |
| Blade Ditch: | 5.00 | | 153.20 | | 1 | | \$766.00 |

(7.3C) Total \$3064.00

- 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: | 0 | 0 | 119.90 | \$0.00 |
| Loader: | 0 | 0 | 84.43 | \$0.00 |
| Backhoe: | 3 | 5 | 62.55 | \$938.25 |

(7.3D) Total \$938.25

- 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 |
| 0.00 | | 0 | | | | 0 | | 0 | | 0.0 |

Load & Haul-Roundtrip = 0.0 0 0 0.0
Fixed Hours (3000 Gal. tanker)

Total Hours = 0.0

Truck Cost: \$82.33/Hr. x 0.0 Hours = \$0.00

(7.3E) Total \$0.00

- 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.

Tract No : TS-10-06
Sale Name: Mini Mule
Prep. By : Brown
Sale Date: 8/2010

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) \$0.00/1927 MBF = \$0.00/MBF 1/
(RC-3 & RC-3a) (Tot Sale Vol)

2. Road Maintenance Obligation:

| | | | | | | | | |
|-------------------|---|---------------|---|---------------|---|---------------|---|-------------------|
| <u>\$18745.12</u> | + | <u>\$0.00</u> | + | <u>\$0.00</u> | + | <u>\$0.00</u> | = | <u>\$18745.12</u> |
| (2.1) | | (3.1) | | (4.1) | | (5.1) | | (RC-2c) |

3. Rockwear Obligation:

| | | | | | | | | |
|---------------|---|---------------|---|------------------|---|---------------|---|------------------|
| <u>\$0.00</u> | + | <u>\$0.00</u> | + | <u>\$2813.07</u> | + | <u>\$0.00</u> | = | <u>\$2813.07</u> |
| (4.2) | | (5.2) | | (7.1) | | (7.2) | | (RC-2g) |

4. Other Maintenance Payments:

| | | |
|-----------|---|---------------|
| Total (6) | = | <u>\$0.00</u> |
| | | (RC-3a) |

5. Purchaser Maintenance Allowances:

| | |
|---|-----------|
| (7.3A) Move In | \$876.00 |
| (7.3B) Culverts, Catch Basins, Downspouts | \$1462.25 |
| (7.3C) Grading, Ditching | \$3064.00 |
| (7.3D) Slide Removal and Slump Repair | \$938.25 |
| (7.3E) Dust Palliative (Water) | \$0.00 |
| (7.3F) Surface Repair (Aggregate) | \$0.00 |
| (7.3G) Dust Palliative (Bituminous, Lignin, MgCl) . . . | \$0.00 |
| (7.3H) Other | \$0.00 |

| | | |
|-------------|---|------------------|
| Total (7.3) | = | <u>\$6340.50</u> |
| | | (RC-2a & Ex D) |

(2+3+4+5) Total = \$27,898.69/1927 MBF = \$14.48/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.

EXHIBIT E
DESIGNATION BY DESCRIPTION SELECTION CRITERIA

The Selection Criteria shown below shall be used by the Purchaser in determining which trees are designated for retention (leave) and which are designated for cutting:

UNITS WITH ONE SPACING DISTANCE

UNITS 16-1 (8 AC), 17-1 (9 AC), 17-2 (4 AC), 19-3 (17 AC), 20-3 (3 AC), 20-4 (3 AC), 21-2 (12 AC), 21-3 (11 AC), 21-4 (3 AC), 28-3 (6 AC), 29-2 (5 AC), 30-1 (19 AC), 30-2 (3 AC), 30-4 (1 AC):

- Remove all Douglas-fir trees that meet merchantable specifications in Exhibit B that are within sixteen (16) feet slope distance of another live Douglas-fir tree with a larger stump diameter. Beyond the sixteen (16) feet slope distance spacing, leave the next closest Douglas-fir tree with the largest stump diameter and repeat the spacing mark. Do not exceed thirty one (31) feet slope distance from another Douglas-fir leave tree.
- Remove all white fir.
- Leave all unit boundary trees and include merchantable unit boundary trees in spacing.
- Leave all orange marked trees within harvest units and do not include in spacing.
- Leave all other conifers (sugar pine, ponderosa pine, hemlock, incense-cedar, etc.). Do not include in spacing.
- Leave all hardwoods. Do not include in spacing.
- Leave all non-hazardous snags.
- Leave all pre-existing down material.

UNITS WITH TWO SPACING DISTANCES

UNITS 20-2 (3 AC), 29-1 (2 AC), 30-1 (2 AC), 32-2 (11 AC): *(Areas are delineated on the ground with a combination of pink and white flagging as shown on Exhibit E map (page 5))*

- Remove all Douglas-fir trees that meet merchantable specifications in Exhibit B that are within sixteen (16) feet slope distance of another live Douglas-fir tree with a larger stump diameter. Beyond the sixteen (16) feet slope distance spacing, leave the next closest Douglas-fir tree with the largest stump diameter and repeat the spacing mark. Do not exceed thirty one (31) feet slope distance from another Douglas-fir leave tree.

-Remove all white fir.

- Leave all unit boundary trees and include merchantable unit boundary trees in spacing.

- Leave all orange marked trees within harvest units and do not include in spacing.

-Leave all other conifers (sugar pine, ponderosa pine, hemlock, incense-cedar, etc.). Do not include in spacing.

-Leave all hardwoods. Do not include in spacing.

-Leave all non-hazardous snags.

-Leave all pre-existing down material.

AREAS OF LOWER RETENTION WITHIN UNITS 20-2 (13 AC), 29-1 (15 AC), 30-1 (17 AC), 32-2 (19 AC): *(Areas are delineated on the ground with a combination of pink and white flagging as shown on Exhibit E map (page 5))*

- Remove all Douglas-fir trees that meet merchantable specifications in Exhibit B that are within nineteen (19) feet slope distance of another live Douglas-fir tree with a larger stump diameter. Beyond the nineteen (19) feet slope distance spacing, leave the next closest Douglas-fir tree with the largest stump diameter and repeat the spacing mark. Do not exceed thirty seven (37) feet slope distance from another Douglas-fir leave tree.

-Remove all white fir.

- Leave all unit boundary trees and include merchantable unit boundary trees in spacing.

U.S.D.I. BLM MEDFORD DISTRICT
T. 32 S., R. 9 W., SEC. 16, 17, 19, 20,
21, 28, 29, 30, 32 WILL. MER.
MINI MULE TIMBER SALE
CURRY COUNTY

TIMBER SALE CONTRACT MAP
CONTRACT NO. OR110-TS10-13
SELECTION CRITERIA
EXHIBIT E
PAGE 3 OF 5

- Leave all orange marked trees within harvest units and do not include in spacing.
- Leave all other conifers (sugar pine, ponderosa pine, hemlock, incense-cedar, etc.). Do not include in spacing.
- Leave all hardwoods. Do not include in spacing.
- Leave all non-hazardous snags.
- Leave all pre-existing down material.

DEFINITIONS:

-Distances between trees are measured slope distances, outside bark at stump height to outside bark at stump height at the closest face between trees. DXD stump height is four (4) inches on the high side of the tree and is used only for measurement purposes and not to be confused with the contract felling stump height.

-Diameter breast height outer bark (DBHOB) is measured at four point five (4.5) feet above the ground on the uphill side of the tree. Diameters are measured perpendicular to the bole of the tree.

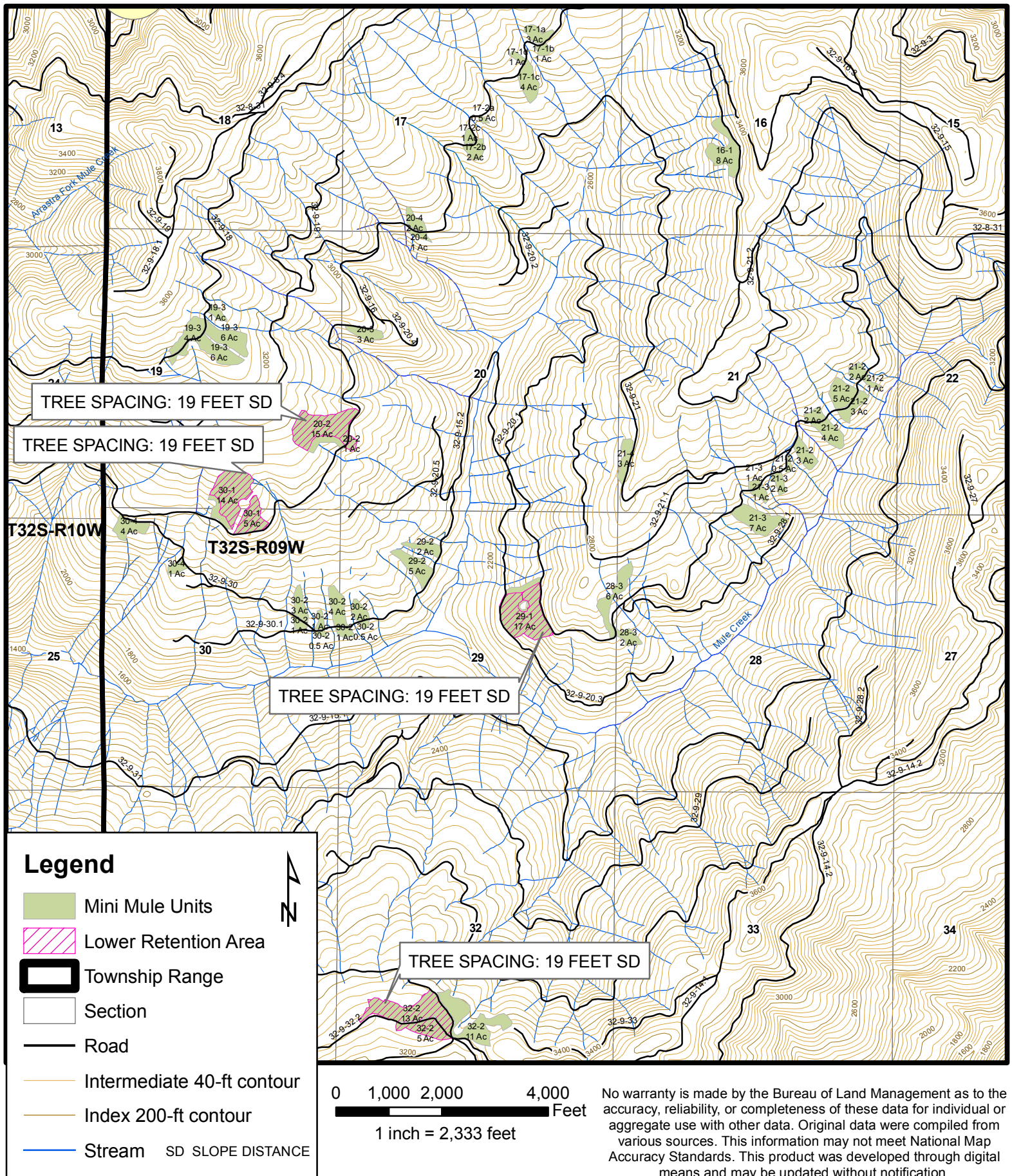
-All trees determined to be removed by these guidelines cannot be used to remove another tree with a smaller stump diameter.

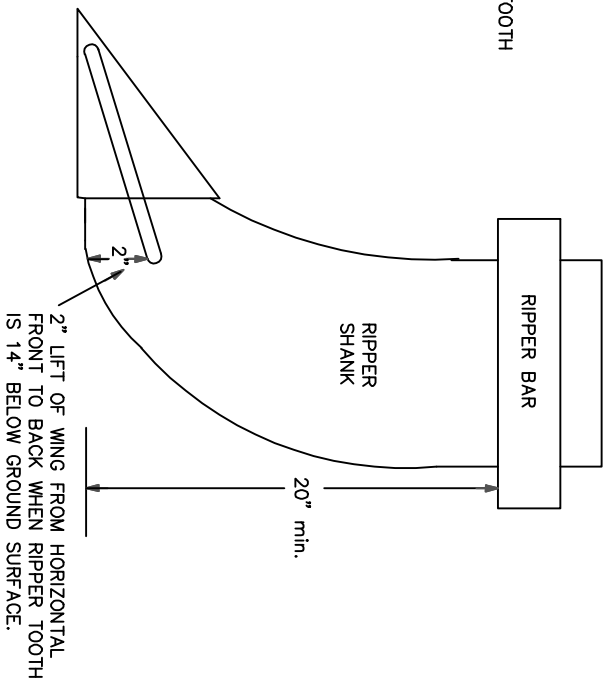
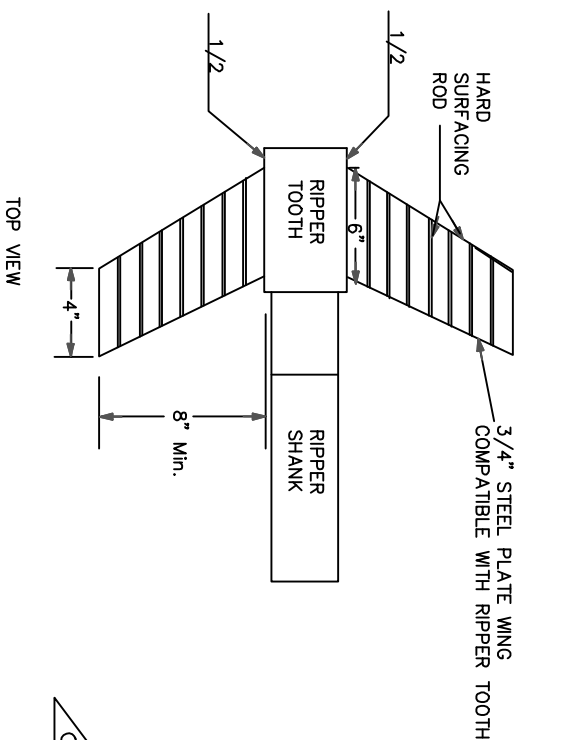
****Section 40:** Purchaser Pre-Marking - In the event the Purchaser elects to mark (paint) trees to be cut in the Designation by Description cutting areas prior to cutting, the Authorized Officer shall approve such marking prior to cutting. Once approved, all trees marked for retention shall become Timber Reserved from Cutting under Section 40 of the contract. Unauthorized cutting or removal of such reserved timber shall constitute a contract violation and timber trespass as provided in Sections 10(e) and 13 of the contract.

****Section 41 B(9):** Prior to falling and removal of any trees the Purchaser shall conduct a sample mark within each harvest unit. Sample area size shall be approximately one-half (1/2) acre. Identification of leave trees may be done by flagging or paint as approved by the Authorized Officer. Additional marking may be required based on the results of the sample mark. Upon acceptance of the sample mark by the Authorized Officer the Purchaser may proceed with falling and removal operations.

****Section 41 B(3):** Following the execution of a leave tree mark in accordance with the Selection Criteria as shown and outlined in Exhibit E, and prior to falling and/or removing any timber in the unit, all cable yarding corridors, tail/lift trees, and/or intermediate support trees shall be pre-designated and approved by the Authorized Officer. Cable yarding corridor widths shall not exceed six (6) feet either side of the skyline centerline.

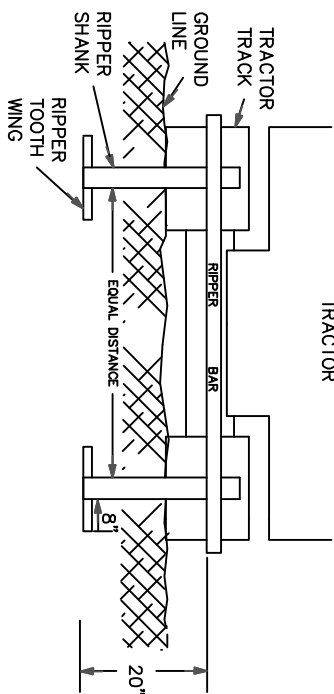
****Section 41 B(3):** Following the execution of a leave tree mark in accordance with the Selection Criteria as shown and outlined in Exhibit E, and prior to falling and/or removing any timber in the unit, all skid roads shall be pre-designated and approved by the Authorized Officer. New skid roads 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. Skid roads will not exceed a width of ten (10) feet on average per unit.





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 | |
| CHIEF, DIVISION OF ENGINEERING OR DISTRICT ENGINEER | |
| DRAWN: JWR | SCALE: NONE |
| DATE: October 2009 | SHEET 1 OF 1 |
| DRAWING NO. | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOTICE OF REQUIREMENT FOR CERTIFICATION
OF NONSEGREGATED FACILITIES

Bidders and offerors are cautioned as follows: by signing this bid or offer or entering into this contract or lease, as the case may be, the bidder, offeror, or contractor will be deemed to have signed and agreed to the provisions of the Certification of Non-segregated Facilities in this solicitation. The certification provides that the bidder or offeror does not maintain or provide for his employees facilities which are segregated on a basis of race, color, religion, sex, or national origin, whether such facilities are segregated by directive or on a de facto basis. The certification also provides that he will not maintain such segregated facilities. Failure of a bidder or offeror to agree to the Certification of Nonsegregated Facilities will render his bid or offer nonresponsive to the terms of solicitations involving awards of contract exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause.

In accordance with 41 CFR 60, as amended May 19, 1967, and Executive Order No. 11246 of September 24, 1965, as amended, this notification will be included in all notices of invitations for bid, lease, offers, and requests for proposal where prospective nonexempt contracts may exceed \$10,000.

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.

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 OR110-TS10-13 |
| Sale Name Mini Mule |
| Sale Notice (dated) July 28 th , 2010 |
| 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 \$18,300.00 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 | 1927 | X | = | X | = |
| | | | X | = | X | = |
| Total | | 1927 | X | = | X | = |
| | | | X | = | X | = |
| | | | X | = | X | = |
| | | | X | = | X | = |
| | | | X | = | X | = |
| | | | X | = | X | = |
| | | | X | = | X | = |
| | | | X | = | X | = |
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| | | | 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.