COOS BAY DISTRICT OFFICE MYRTLEWOOD RESOURCE AREA SALE DATE: August 26, 2016

SALE TIME: 10:00 a.m.

SALE NO. ORC00-TS-2016.0032, SLATER GUST SALVAGE

#### SPECIAL SALVAGE TIMBER SALE

DOUGLAS COUNTY: OREGON: O&C: ORAL AUCTION: Bid deposit required: \$450.00

All timber designated for cutting on: T. 30 S., R. 9 W., Sec. 17, W1/2SE1/4, Will. Mer.

Approx. No. Merch. Trees	Est. Vol. MBF 32' Log	Species	Est. Vol. MBF 16' Log	Appraised Price Per MBF	Estimated Vol. Times Appraised Price
338	62	Douglas-fir	77	\$54.90	\$4,227.30
12	3	grand fir	4	\$39.60	\$158.40
350	65	Totals	81		\$4,385.70

THIS TIMBER SALE HAS BEEN CRUISED, APPRAISED, AND ADVERTISED BASED UPON SCRIBNER BOARD FOOT MEASURE (16 FOOT LOG). THE MINIMUM BID FIGURES SHOWN BY SPECIES ARE DOLLARS PER THOUSAND BOARD FEET (MBF). THE MINIMUM BID INCREMENT WILL BE \$0.50 PER MBF. SCRIBNER BOARD FOOT VOLUMES (32 FOOT LOG) BY SPECIES ARE DISPLAYED FOR INFORMATIONAL PURPOSES.

<u>LOG EXPORT AND SUBSTITUTION</u>: All timber sales, including timber from Federal rights-of-ways, shall be subject to the restrictions relating to the export and substitution of unprocessed timber from the United States in accordance with P.L. 94-165 and 43 CFR 5400 and 5424 as amended.

<u>LOG EXPORT AND SUBSTITUTION RESTRICTIONS</u>: Excepting Port-Orford-cedar, all timber offered for sale hereunder 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.

<u>CRUISE INFORMATION</u>: With respect to merchantable trees of all species in all cruise strata: the average DBHOB is 15.5 inches; the average gross merchantable log contains 54 bd. ft.; the total gross volume is approximately 86 thousand bd. ft.; and 94% recovery is expected. The average DBHOB for Douglas-fir is 15.5 inches; and the average gross merchantable log contains 53 bd. ft.; and 95% recovery is expected. Approximately 100% of the total sale volume is salvage material. The following cruise methods were used for volume determination:

<u>100% CRUISE</u>: The timber volumes were based on a 100% cruise using form class tables for estimating board foot volume of trees in 16-foot logs.

<u>CUTTING AREA</u>: One (1) unit totaling approximately 10 acres must be salvage harvested. <u>ACCESS</u>: Access to the sale area is provided via: Oregon State highways and Government controlled roads.

<u>DIRECTIONS TO SALE AREA</u>: From the traffic light on Harris St. in Myrtle Point, OR, travel east on Highway 42 23.9 miles to Slater Creek Rd. Turn right onto Slater Creek Rd. (BLM Rd. # 30-9-17.0) and travel 1.1 miles to the sale area. Refer to Exhibits A and A-1 for unit locations.

<u>ROAD USE & MAINTENANCE</u>: Purchaser shall pay a rockwear fee to the Government totaling \$61.16. Operator maintenance is required on 2.10 miles of road.

<u>ROAD CONSTRUCTION</u>: Road improvement estimates include the following: Maintenance rock: The Purchaser shall furnish and apply prior to the termination of log hauling, 50 cubic yards of 1.5-0" minus crushed hardrock/maintenance rock with the specifications shown on Exhibit D and/or as approved by the Authorized Officer.

<u>DURATION OF CONTRACT</u>: Will be 9 months for cutting and removal of timber. The contract will contain special stipulations regarding logging, road use and maintenance, fire prevention, hazard reduction and logging residue reduction, log export and substitution, optional scale check of lump sum sales, equal opportunity in employment, cultural resource protection, and sensitive, threatened, or endangered plants or animals.

#### **SPECIAL PROVISIONS:**

- 1. License agreement is required with Roseburg Resources, RWA R-851. A performance bond in the amount of \$10,000.00 and comprehensive liability insurance will be required for this license agreement.
- 2. All orange marked trees shall be reserved from cutting. (Sec. 41.b)
- 3. Snags that are felled for safety reasons will be left on site. (Sec. 41.c)
- 4. Directional felling is required away from roads, property lines, posted boundaries, orange-painted reserve trees, no-harvest areas (Stream Channels) and snags. (Sec. 42.b.3)
- 5. Cutting or yarding during high sap flow, March 31 through July 1, may be restricted by the Authorized Officer. (Sec. 42.b.4)
- 6. In the Blowdown Salvage Area, all trees designated for cutting shall be cut to a maximum of 41-foot log lengths. (Sec. 42.b.7)
- 7. In the Cable Yarding Area, yarding shall be completed with cable-type equipment capable of lateral yarding 75 feet each side of the skyline road. (Sec. 42.b.9)
- 8. During cable yarding operations, one-end suspension is required. Lift trees and/or intermediate support trees may be required to obtain suspension. (Sec. 42.b.11)
- 9. No-harvest zones will be maintained adjacent to Stream Channels. Corridor trees felled within the no-harvest zone shall be left on site. (Sec. 42.b.14)
- 10. Full-log suspension will be required over Stream Channels. Where full suspension cannot be achieved, yarding will occur only during the dry season. (Sec. 42.b.15)
- 11. Within safety standards, harvest trees will be directionally felled away from any Stream Channels; however, trees that must be felled toward or parallel to the Stream Channel should be temporarily retained on site to provide bank armament if other trees need to be yarded across the channel. (Sec. 42.b.16)
- 12. During harvest operations, a minimum of 120 linear feet of logs per acre ( $\geq$  16 inches in diameter at the large end and  $\geq$  16 feet in length) will be left onsite. (Sec. 42.b.18)
- 13. The location and use of yarding roads and harvester roads in the Ground-based Yarding Area and Cable Yarding Area shall be approved by BLM prior to use by the Purchaser. (Sec. 42.b.20)
- 14. All equipment will be washed prior to moving into the Contract Area to minimize the spread of noxious weeds. (Sec. 42.b.26 and Exhibit F)
- 15. Any required renovation of structures and roads shall occur during the dry season, June 1 through October 1, both days inclusive, of the same calendar year. (Sec. 42.c.2)
- 16. BLM will assume supervisory responsibility for disposal of logging slash. (Sec. 42.e.1)

#### **SCHEDULE I**

- Sec. 41. TIMBER RESERVED FROM CUTTING. The following timber on the Contract Area, shown on Exhibit A, which is attached hereto and made a part hereof, is hereby reserved from cutting and removal under the terms of this contract and is retained as the property of the Government:
- a. All timber on the Reserve Area, shown on Exhibit A, and all blazed, orange painted and/or posted trees which are on or mark the boundaries of the Reserve Area; except for trees marked for cutting heretofore by the Government with blue paint above and or below stump height.
- b. All orange painted reserve trees marked above and or below stump height within the Blowdown Salvage Area, shown on Exhibit A.
- c. All existing standing dead trees within the Blowdown Salvage, as shown on Exhibit A, except those trees which must be felled to permit safe working operations.
- d. All existing coarse woody debris within the Contract Area not marked for cutting heretofore by the Government with blue paint, unless the Authorized Officer determines the volume to be included in the Exhibit B, which is attached hereto and made a part hereof.
  - e. All Bearing Trees with metal tags which mark property corners.

#### SPECIAL PROVISIONS -

Sec. 42. SPECIAL PROVISIONS. Purchaser shall comply with the special provisions which are attached hereto and made a part hereof unless otherwise authorized, in writing, by the Authorized Officer:

- a. Periodic Payment and First Installment Adjustment
- (1) Notwithstanding the provisions of Sec. 3(b), the amount of the first installment may be reduced by the Government when the Contracting Officer requests the Purchaser to interrupt or delay operations for a period expected to last more than thirty days during the operating season. Such interruption or delay must be beyond the Purchaser's control. Operating Season shall be defined, for this purpose, as the time of year in which operations of the type required are normally conducted and not specifically restricted under the contract. The first installment may be reduced to five percent of the installment amount listed in Sec. 3(b), during the delay period. The Purchaser must request such a reduction in writing. When the Contracting Officer notifies the Purchaser that operations may proceed, the purchaser shall have fifteen days after such notification to return the first installment to the full value specified in Sec. 3(b). Failure to return the first installment to the full value within the allotted time will be considered a material breach of contract. No timber shall be cut or removed from the contract area until the first installment is restored to the full amount.

(2) Notwithstanding the provisions of Sec. 3(b), adjustments in the due dates for periodic payments may be made by the Government if the Contracting Officer interrupts or delays contract operations for a period expected to last at least thirty days, and the interruption or delay is beyond the Purchasers control. Any adjustment made shall provide the Purchaser with an equal amount of operating time as would have been available without the delay. The Purchaser shall request such adjustment in writing before the due date for a periodic payment contained in Sec. 3(b).

#### b. Logging

- (1) Prior to 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.
- (2) Before beginning operations on the contract area for the first time, or after a shutdown of ten or more days, the Purchaser shall notify the Authorized Officer in writing of the date he plans to begin operations. He shall also notify the Authorized Officer in writing if he intends to cease operations for any period of ten or more days
- (3) Directional felling is required away from roads, property lines, posted boundaries, orange-painted reserve trees, no-harvest areas, snags and the Botany Buffer Area.
- (4) Cutting or yarding during high sap flow, March 31 through July 1, may be restricted by the Authorized Officer.
- (5) All trees designated for cutting in the Blowdown Salvage Area shall be felled to the lead of the premarked yarding corridors or pre-marked skid roads.
- (6) All trees designated for cutting in the Blowdown Salvage Area shall be felled, limbed, topped, and cut into log lengths not to exceed 41 feet before yarding.
- (7) Rub trees may be cut and yarded after all lateral yarding is complete on each setting, as directed by Authorized Officer.
- (8) Yarding shall be completed with cable-type equipment. A carriage capable of yarding in a fixed position 75 feet in either direction from the skyline corridor will be required.
  - (9) Complete re-spooling of lines is required in making cable yarding road changes.
- (10) One-end suspension will be required for in-haul of logs during cable yarding operations. Lift trees and/or intermediate supports may be required to obtain the required suspension.

- (11) Cable yarding corridors will be 150 feet apart, as measured from the tail hold or where the skyline reaches the far edge of the unit, as measured perpendicular to the preceding corridor.
- (12) Where yarding road locations allow, cable yarding will be done so that corridors are parallel rather than radiating from one central landing, and are placed to avoid a Stream Channel, shown on Exhibit A. Where yarding is to occur over a Stream Channel, the yarding roads will be kept as perpendicular to the Stream Channel as possible.
- (13) A minimum 200 foot slope distance no-harvest zone shall be maintained on either side of a Stream Channel. Corridor trees felled within the no-harvest zone will be felled toward the Stream Channel and left in place. All trees within the 200 foot no-harvest zone are painted orange.
- (14) Where cable yarding must occur through the no-harvest area adjacent to a Stream Channel, logs will be fully suspended to protect stream banks. Where full suspension is not feasible, operations over any Stream Channel with visible surface flow will occur only during the dry season, as designated by the Authorized Officer. Bare mineral soil within 50 feet of a Stream Channel, which has been exposed by yarding, shall be covered with slash to trap sediment and prevent erosion.
- (15) Within safety standards, harvest trees will be directionally felled away from any Stream Channels; however, trees that must be felled toward or parallel to the Stream Channel should be temporarily retained on site to provide bank armament if other trees need to be yarded across the channel.
- (16) Prior to attaching any logging equipment to a tree within the Reserve Area, the Purchaser shall obtain written approval from the Authorized Officer and shall take precautions to protect the tree from damage as directed in writing by the Authorized Officer. Logging equipment shall not be attached to any trees within the Botany Buffer Area.
- (17) Throughout the Blowdown Salvage Area, a minimum of 120 linear feet of logs per acre (decay classes 1 and  $2, \ge 16$  inches in diameter at the large end and  $\ge 16$  feet in length) must be retained in addition to non-merchantable, freshly broken pieces and older logs with advanced decay (decay classes 3, 4, and 5) to support species and protect the integrity of the substrate. Approximately 200 down trees have been marked with orange paint and are reserved from cutting to meet this requirement.
- (18) All standing and live trees within the posted botany buffer adjacent to the salvage Blowdown Salvage Area will be left undisturbed during salvage activities, as shown on the Exhibit A.
  - (19) In the Ground-based Yarding Area, as shown on the Exhibit A:
- (a) In the Ground-based Yarding area, all equipment must be approved in writing by the Authorized Officer prior to any operations.
- (b) Ground-based operations shall be conducted when soil moisture content is below 25% plastic limit, as determined by the Authorized Officer. Unseasonably dry or wet weather may shorten or extend

the operating season. The Purchaser shall be notified in writing when weather conditions extend the operating season. The Purchaser may be required to suspend ground-based operations during periods of rain, as directed by the Authorized Officer.

- (c) Trees shall be felled manually or by a mechanized system capable of depositing slash along the harvesting path. The yarding machine shall utilize slash on skid trails and continually place slash on trails so as to not expose bare mineral soil.
- (d) The yarding machine must be approved by the Authorized Officer. It must be equipped with a grapple or an extendable and retractable arch and fairlead which is an integral part of the machine that is capable of lifting the leading end of the turn clear of the ground. All logs in the Ground-based Yarding Area shall be yarded with their leading end clear of the ground. A forwarder or tracked log loader may also be used to yard logs within the Ground-based Yarding Area.
- (e) Primary skid trails shall use existing trails wherever possible, be spaced at least 100 feet apart, and be no wider than 12 feet as measured between reserve trees.
- (f) Primary skid trails shall be blocked with slash or cull material after completion of harvest where the Authorized Officer determines vehicle access is possible.
- (g) All ground-based equipment shall be restricted to operating on slopes less than 35% and shall not operate within 50 feet of a stream channel.
- (h) Upon completion of seasonal ground based yarding, any skid trail with more than 100 feet of continuous bare ground shall have water bars installed and or be covered with slash for erosion control prior to October 15th.
- (20) Sec. 42.b(21) shall be the primary method for the identification, cutting, and removal of additional timber required for skyline corridors, yarding trails, and guy-line trees. Sec. 42.b(22) may be used at the discretion of the Authorized Officer. The purchaser shall be notified in writing when Sec. 42.b(22) is authorized for use.
- (21) Before cutting and removing any trees necessary to facilitate logging in the Blowdown Salvage Area, 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's identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding the following conditions must be met:
- (a) Natural openings and pre-existing cable and/or skid trails shall be used in the completion of harvest. The Authorized Officer shall be notified if any situation occurs where no opening is available for yarding prior to cutting.

- (b) The Purchaser may immediately cut and remove additional timber to clear cable yarding corridors; and provide tailhold, tieback, guyline, lift and intermediate support trees; and clear danger trees when the trees have been marked with blue paint above and below stump height by the Authorized Officer 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 Sec. 3.(b). of the contract or sufficient bonding has been provided in accordance with Sec. 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 Authorized Officer and that such timber shall be sold at the unit prices shown in the Exhibit B of this contract unless the value of the timber must be reappraised subject to the terms for contract extension set forth in Sec. 9 of the contract; or, the Authorized Officer determines that any tree that exceeds 24 inches diameter at breast height shall be appraised and sold by bilateral modification of the contract at current fair market value in accordance with Sec. 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 Sec. 10 of the contract, constitutes a violation of the contract, and, under Sec. 13 of the contract, may constitute a trespass rendering the Purchaser liable for damages under applicable law.
- (e) If authorization is withdrawn, the Authorized 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 three working days 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 the Exhibit B of the contract or in accordance with Sec. 8 or Sec. 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Authorized 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.
- (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 road corridors when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescription. This may include the replacement of trees damaged by storm events, insects or disease. 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 stated in Sec. 2 of this contract shall be reduced accordingly through a unilateral modification to the contract executed by the Authorized Officer.

- (22) In accordance with the requirements of Sec. 8 it has been determined that it is in the best interest of the government and within the provisions of 43 CFR 5402.0-6 to sell additional timber located in the Contract Area that is: obstructing needed cable yarding corridors, hazardous to workers in accordance with applicable State safety laws, codes, or regulations and must be cut or removed so that the Purchaser can continue active falling or yarding operations; needed for guyline trees to meet all applicable State safety laws, codes or regulations and must be cut or removed so the Purchaser can continue active yarding operations; or are severely damaged from the normal conduct of felling or yarding operations. The Purchaser is therefore authorized to cut and remove such additional timber in accordance with the provisions of Sec. 8; provided, however, that:
- (a) the Purchaser shall identify each tree sold and cut in accordance with this provision by marking the surface of the stump immediately after cutting with a large "X", cut with a chain saw, and by painting the stump with fluorescent red paint so that the stump can be visually located from a distance of not less than 100 feet;
- (b) Concurrently with falling, paint the butt of each tree with fluorescent red paint. When butt logs are yarded, deck separately for inspection by Authorized Officer;
- (c) The Purchaser conforms to all requirements of Sec. 8 of this contract; provided that (1) the unit prices for additional timber within unit boundaries shall be the unit prices shown in Exhibit B of this contract, or the reappraised unit prices arrived at in accordance with Sec. 9 of this contract, and (2) timber outside of unit boundaries shall be sold at fair market value;
- (d) no timber may be cut or removed under the terms of this provision if all contract payments required by Sec. 3. (b) or 3.(d) have not been made; and,
- (e) permission to cut and remove additional timber contained in this provision may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser:
  - (1) failed to properly mark any stump with the "X" mark.
  - (2) failed to properly mark any butt log with the "X" mark.
  - (3) cut any tree that was reserved for tree improvement and/or wildlife habitat.
  - (4) cut any tree in or adjacent to cable yarding corridors that was not necessary to facilitate cable yarding.
  - (5) cut any reserve tree in or adjacent to tractor skid roads that was not necessary to facilitate ground-based yarding.
  - (6) cut any reserve tree that was not severely (as defined during the pre-work conference and documented in the approved logging plan) damaged from felling and yarding operations.
  - (7) cut more than the minimum number of trees necessary to properly serve as guyline anchor stumps.
  - (8) cut or topped more than the minimum number of trees necessary to properly serve as tailhold trees.

(9) cut more than the minimum number of trees necessary to properly serve as tie-backs for topped tailhold trees.

Failure to perform any of the conditions listed above may be considered a trespass.

- (23) In the Blowdown Salvage Area, significant damage to residual trees shall be kept to a minimum. Significant damage is defined as any tree having greater than twelve square inches of the bark removed from the circumference of the tree, any tree with top diameter broken at three inches in diameter or greater, or any tree being visually root-sprung. If the Authorized Officer determines that damage has become commonplace due to a lack of caution or operator negligence, a written warning of non-compliance will immediately be issued to the Purchaser. The Authorized Officer may suspend operations until safeguards are put in place to protect the reserve trees. If the damage continues, it will result in a violation of Sec. 13 of the contract, Timber Trespass, and the Purchaser will be held liable for damages. Any reserved trees significantly damaged or destroyed by the Purchaser shall be valued at current market value of the merchantable volume for purposes of determining damages.
- (24) In the Blowdown Salvage Area, any reserved hardwood cut to facilitate logging shall be limbed, topped and yarded and shall be decked separately as directed by the Authorized Officer. Felled reserved hardwoods shall remain property of the Government.
- (25) To control the spread of noxious weeds and Port-Orford-cedar root disease, the Purchaser shall conduct all operations involving the transportation and use of equipment and vehicles in strict accordance with the requirements shown on Exhibit F, which is attached hereto and made part hereof. All road building and logging equipment which will be used off of existing roads will be washed and inspected prior to moving into the Contract Area to minimize the spread of noxious weeds.

#### c. Road Construction

- (1) The Purchaser shall renovate roads in strict accordance with the road plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.
- (2) Any required renovation of structures and roads shall occur during the dry season, June 1 through October 1, unless dry conditions exist that may extend those dates as approved by the authorized officer.
- (3) Any required renovation of structures and roads shall be completed and accepted prior to the haul of any timber, except right-of-way timber, over that road.
- (4) In addition to the requirements set forth in Sec. 25 of this contract, the Purchaser shall complete erosion control and soil stabilization measures on all cuts, fills, waste areas, and scarified areas, as designated by the Authorized Officer, along all sections of roadway disturbed during the year prior to October 1 of each year. The Authorized Officer may set time limits for the beginning and completion of erosion control and soil stabilization measures and modify seasonal dates to conform to existing weather conditions and changes in the construction schedule. Such work shall be accomplished in accordance with Erosion Control and Soil

Stabilization, 1700 and 1800 Series, contained in Exhibit C.

(5) Concurrently with, or at the termination of logging operations, the Purchaser shall pull back and shape onto the landings all overhanging materials to prevent erosion in accordance with the requirements set forth in Exhibit C.

#### d. Road Use and Maintenance

(1) The Purchaser shall be required to secure written approval to use or haul equipment over Government owned or controlled structures when that equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit.

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

- (a) axle weights when fully loaded;
- (b) axle spacing;
- (c) transverse wheel spacing;
- (d) tire size;
- (e) outside width of vehicle;
- (f) operating speed;
- (g) frequency of use; and,
- (h) special features (e.g. running tracks, overhang loads, etc.).

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

- (2) At all times during the period of his operations on the contract area, and upon completion of said operations, the Purchaser shall be liable for maintenance and repair of such roads shown on Exhibit D, which is attached hereto and made a part hereof, resulting from wear or damage in accordance with the maintenance specifications as shown on Exhibit D.
- (3) The Purchaser is authorized to use the roads shown on Exhibit E, which is attached hereto and made a part hereof, for the removal of Government timber sold under the terms of this contract and for haul of mineral material required under the terms of this contract; provided, that the Purchaser shall pay a Maintenance Obligation to the Government totaling \$61.16, as shown on Exhibit E. Unless the total Maintenance Obligation due to the BLM is paid prior to commencement of operations on the contract area, payments shall be made in installments payable in the same manner as and together with payments required by Sec. 3 of this contract. Timber modification volume will be assessed at a rate of \$0.76/MBF for removal of timber over Government controlled roads.

The Purchaser shall also comply with the conditions of the Right-of-Way and Road Use Agreement between the United States and Roseburg Resources., RWA R-851. The agreement is available for inspection at the Bureau of Land Management, Coos Bay, Oregon. A performance bond in the amount of \$10,000.00 and comprehensive liability insurance will be required by Licensor.

Prior to commencement of operations, the Purchaser shall furnish to the Authorized Officer a copy of the executed License Agreements issued under the terms of the Right-of-Way Agreements. Default by the Purchaser of said Right-of-Way and Road Use Agreements, of any License Agreements executed pursuant thereto, for failure to pay appropriate road use fees or road maintenance fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision. Road maintenance fees may change during the course of the contract as determined by the Licensor. It is the responsibility of the Purchaser to pay fees current at time of haul.

- e. Fire Prevention, Hazard Reduction and Logging Residue Reduction
- (1) BLM will assume supervisory responsibility for disposal of logging slash. The assumption by the Government of all obligations for the disposal or reduction of fire hazard under state law does not relieve the Purchaser of the obligations to perform the fire prevention, hazard reduction and logging residue reduction measures required by this contract.
- (2) <u>Fire Prevention and Hazard Reduction</u>. Primarily for purposes of fire prevention and fire hazard reduction, 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, the Purchaser shall prepare a fire prevention and control plan to the satisfaction of the Authorized Officer.
- (b) Slash shall be disposed of in accordance with the written instructions of the Authorized Officer.
- (3) <u>Logging Residue Reduction</u>. Primarily for hazardous fuel reduction, watershed protection and silvicultural purposes, the Purchaser shall comply with the following provisions:
- (a) In addition to the requirements of Section 15 of this contract, the Purchaser shall be responsible for logging residue reduction at all landing sites in the sale area and in the Roadside Hazard Reduction Area (RHRA), shown on the Exhibit A.

#### Specifications for RHRA and Landing Piling

(b) Within the RHRA's located in Unit #1 the Purchaser shall pile logging residue along the

roadsides for burning. Within the RHRA, all logging residue up to six inches in diameter which is greater than two feet in length and is within twenty feet slope distance of the outside edge of the road shoulder shall be piled on BLM roads 30-9-17.0 and 30-9-17.7. Logging residue includes slash from the harvest (salvage) operations. Piling shall be accomplished by hand or with mechanized equipment capable of reaching the required twenty feet without leaving the road surface.

- (c) At all landing sites within the sale area, the Purchaser shall pile for burning, all logging residue that is presently on and around the immediate vicinity of the landing site.
- (d) Unless approved in advance by the Authorized Officer, landing piling shall be completed at each yarding location (setting) at the conclusion of yarding operations at that setting while logging equipment is on site. Machine piling of the RHRA concurrently with logging operations is recommended but shall be completed at the conclusion of harvest (salvage) operations.
- (e) Unless directed or approved by the Authorized Officer, no landing piles shall be within fifteen feet of any reserved green trees, coarse wood, snags or marked wildlife trees.
- (f) No landing or residue piles shall be constructed within ten feet of any corrugated metal or plastic pipes (CMP/CPP).
- (g) Logging residue within the immediate vicinity of the landing and any residue that overhangs the landing sites that can be reached with the logging equipment on site shall be pulled completely back up onto the landing surface and either piled for burning or segregated for other uses.
- (h) Unless waived in advance by the Authorized Officer, prior to equipment leaving the landing location all decked or piled logging residue shall be completely removed from road surfaces and ditch lines.
- (i) Root wads from previous road and landing construction activities shall not be included in the landing piles. Piling of slash on top of root wad piles is not permitted. Any root wad piles found by the Authorized Officer to be capped by slash will require the removal and re-piling of the slash by the Purchaser.
- (j) Landing piles shall be constructed as upright as possible and have a solid base to promote stability and prevent toppling. The Purchaser is responsible for ensuring that stable landing piles are constructed.
- (k) During or after pile construction, landing and RHRA piles shall be shaped and contoured in such a manner that will allow for polyethylene sheeting (PE) to lay in a smooth and uniform manner completely across the top and partially down the sides of the pile to promote shedding of water, prevent pooling of water

and to reduce the possibility of PE being ripped or torn by underlying slash or from wind. Landing piles found by the Authorized Officer not meeting this shaping requirement shall be reconstructed or reshaped by the Purchaser.

(l) The Purchaser shall request an inspection of landing and RHRA piling before piling equipment is moved off site. If piling equipment is moved off site before inspection and the landing piles are subsequently found to be noncompliant with the specifications and require a re-work, the Purchaser shall be responsible for costs associated with move-in of piling equipment to rework piles. Unless approved by the Authorized Officer, all requests for inspection of landing piling shall be made in writing (email is acceptable) at least ten days in advance of planned equipment removal.

#### Specifications for RHRA and Landing Pile Covering

- (m) Only landing and RHRA piles that have been inspected and approved by the Authorized Officer shall be covered. Pile covering shall be completed no later than September 15 of the current year at all RHRA segments and landing sites where yarding activities have been completed. This applies to each year that the timber sale is active.
- (n) The Purchaser shall place polyethylene sheeting (PE), four MIL thickness and black in color over the pile so as to provide an adequate level of protection from fall/winter rains. PE sheeting shall lie uniformly and as smoothly as possible across the top of the pile and shall extend partially down the sides. For small properly constructed piles with base dimensions of approximately 10 ft. x 10 ft. or less, the size of the PE sheeting should not need to exceed approximately 100 square feet.
- (o) To meet ignition and combustion needs, larger piles will require additional PE sheeting in excess of 100 square feet to adequately cover the pile and protect it from wetting fall/winter rains. The Purchaser shall contact the Authorized Officer before any pile covering begins to receive specific direction on which piles will require additional covering. At that time, the Authorized Officer will identify all piles that shall have additional PE covering. If piles are covered without the advice and consent of the Authorized Officer and are subsequently found to be inadequately covered, the Purchaser may be required to re-cover or add additional covering to the piles before acceptance is made.
- (p) At landing sites with excessive logging residue that overhangs the landing which cannot be reached and pulled back up onto the landing with equipment on site, the Purchaser shall place additional PE sheeting over the residue concentrations below the landings.
- (q) On roads that have been closed and/or decommissioned, decks of Purchaser owned logs that were not shipped by the Purchaser shall be covered with PE for burning. The Authorized Officer may waive this requirement if future utilization is determined to be feasible. Decks of reserved logs belonging to the Government are exempt from this requirement.
- (r) All PE sheeting shall be weighted down with slash or logging debris in order to prevent blowing off or sliding. An adequate amount of anchoring material should be placed on top of the pile but no more than 20 percent of the material to be piled may be placed on top of the PE. For piles described in (q) above, the Authorized Officer may require the removal of PE before burning so the Purchaser should exercise discretion with respect to the method of application, the amount and composition of anchoring material used

when securing the PE.

(s) Piles of root wads generated from previous road and landing construction activities and piles of residue identified by the Authorized Officer for other uses shall not be covered with PE sheeting.

#### Specifications Applicable to Landing and RHRA Pile Burning

1. The BLM will assume responsibility for pile burning.

#### f. Log Export and Substitution

All timber sales, including timber from Federal rights-of-ways, shall be subject to the restrictions relating to the export and substitution of unprocessed timber from the United States in accordance with P.L. 94-165 and 43 CFR 5400 and 5424 as amended.

(1) All timber sold to the Purchaser under the terms of the contract, except exempted species, is restricted from export under 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 saw logs, peeler logs, and pulp logs; (2) cants or squares to be subsequently remanufactured exceeding eight and three-quarters inches in thickness; (3) split or round bolts or other roundwood not processed to standards and specifications suitable for end-product uses; or (4) western redcedar 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. 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 inches in thickness or less; (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:

- (a) date of last export sale;
- (b) volume of timber contained in last export sale;
- (c) volume of timber exported in the past 12 months from the date of last export sale;
- (d) volume of Federal timber purchased in the past 12 months from the date of last export sale;
- (e) volume of timber exported in succeeding 12 months from date of last export sale; and,
- (f) volume of Federal timber purchased in succeeding 12 months from date of last export sale.
- (2) 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" (Form 5460-16). The

original of such certification 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.

- (3) In the event an affiliate of the Purchaser has exported private timber within twelve months prior to purchasing or otherwise acquiring Federal timber sold under this contract, the Purchaser shall, upon request, obtain from the affiliate information in a form specified by the Authorized Officer and furnish the information to the Authorized Officer.
- (4) Prior to the termination of this contract, the Purchaser shall submit to the Authorized Officer a "Log Scale and Disposition of Timber Removed Report" (Form 5460-15) 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.
- (5) 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 inches, prior to the removal of timber from the contract area. All loads of eleven logs or more will have a minimum of ten logs clearly and legibly branded on one end regardless of the diameter of the logs. All logs will be branded on loads of ten logs or less. One end of all branded logs to be processed domestically will be marked with a three 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.

(6) 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 Sec. 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.

#### g. Optional Scale Check of Lump Sum Sales

(1) The Government, at its option, may administratively check scale any portion of the timber removed from the contract area, and if necessary, conduct check scaling of independent scalers contracted to BLM for administrative check scaling purposes. The Purchaser hereby agrees to make such contract timber available for such scaling at a location or locations to be approved in writing by the Authorized Officer. At the approved

location or locations, the Purchaser shall provide an area for logs to be safely rolled out for scaling, to unload logs from trucks, place logs in a manner so that both ends and three faces of each log are visible for scaling, and to reload or remove logs after scaling has been completed.

(2) In the event that BLM elects to administratively 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 by yard scale, the purchase price of this contract shall be reduced by \$60.75. In the event only a portion of the contract timber is scaled, the purchase price shall be reduced by that portion of \$60.75 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. Scaling shall be conducted in accordance with the Eastside Scribner Scaling Rules by BLM scalers, and/or independent scalers contracted to BLM. A copy of the scale report will be made available to the Purchaser upon request.

#### h. Equal Opportunity in Employment

(1) Certification of Nonsegregated Facilities, Form 1140-3, is attached hereto and made a part hereof.

#### i. Cultural Resource Protection

- (1) If in connection with operations under this contract, the Purchaser, his contractors, sub-contractors, 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, fossils, or artifacts, the Purchaser shall immediately suspend all operations in the vicinity of the cultural value and notify pages the Authorized Officer of the findings. Operations may resume at the discovery site upon receipt of written instructions and authorization by the Authorized Officer.
- (2) Pursuant to 43 CFR 10.4(g) the holder of this authorization must notify the Authorized Officer, by telephone, with written confirmation, immediately upon discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, pursuant to 43 CFR 10.4(c) and (d), you must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the Authorized Officer.

#### j. Sensitive, Threatened, or Endangered Plants or Animals

The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:

- (1) 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;
- (2) 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 Coos Bay 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;

- (3) 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;
- (4) 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;
- (5) 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;
- (6) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (7) 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;
- (8) 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 percent of the First Installment amount listed in Sec. 3.b 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 Sec. 3.b. of the contract within fifteen days after the bill for collection is issued, subject to Sec. 3.h. 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 thirty 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 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

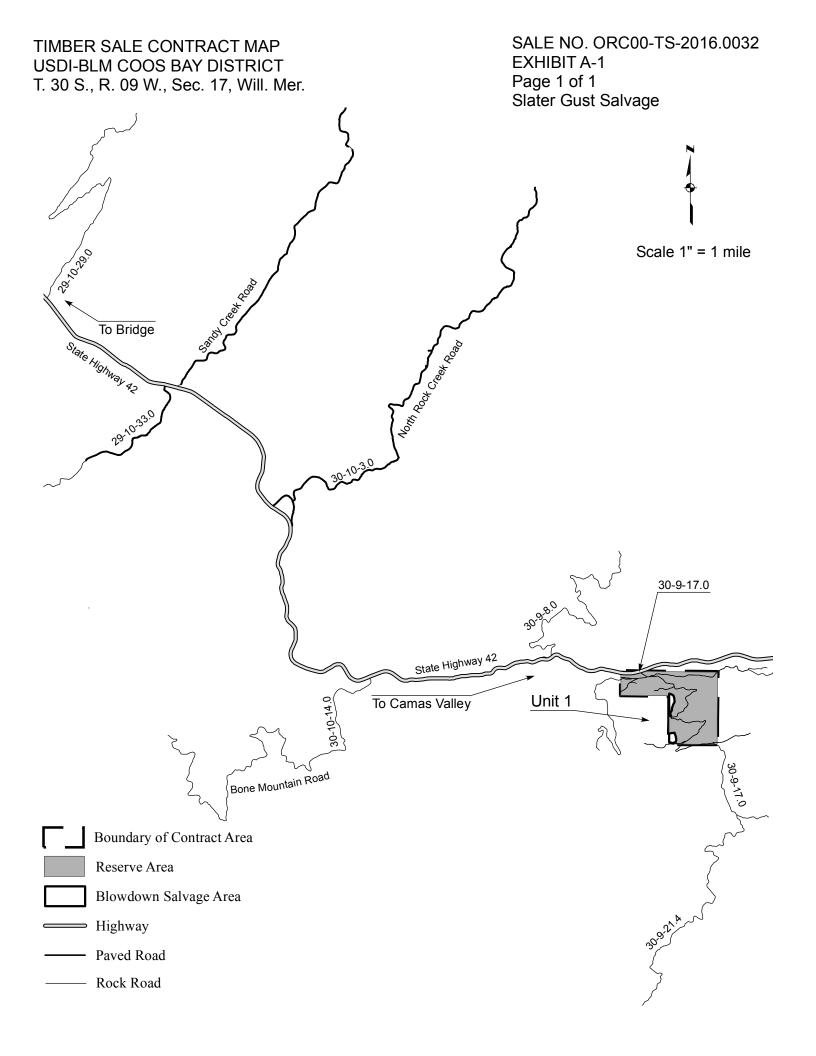
Procedures Act cannot be interpreted, in itself, to mean that the Government had not acted reasonably in regard to its duties to the Purchaser under this contract.

#### k. Safety

Purchaser's operations shall facilitate BLM's safe and practical inspection of Purchaser's operations and BLM's conduct of other official duties on Contract Area. Purchaser has all responsibility for compliance with safety requirements for Purchaser's employees, contractors and subcontractors.

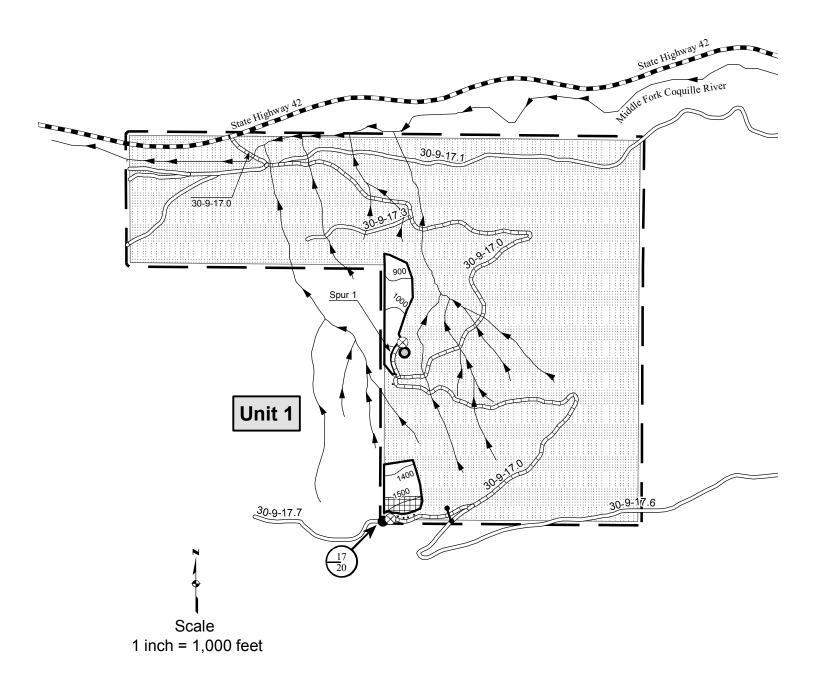
In the event that the Authorized Officer identifies a conflict between the requirements of this contract or agreed upon methods of proceeding hereunder and State or Federal safety requirements, the contract may be modified. If the cost of such contract modification is of a substantial nature (\$2,000.00 or more), the Purchaser may request, in writing, an adjustment in the total contract purchase price specified in Section 2 of the timber sale contract, as amended, to compensate for the changed conditions.

Unless otherwise specified in writing, when operations are in progress adjacent to or on roads and/or trails in the harvest unit area, Purchaser shall furnish, install, and maintain all temporary traffic controls that provide the road or trail user with adequate warning of and protection from hazardous or potentially hazardous conditions associated with its operations. Purchaser shall prepare a Traffic Control Plan, which the Purchaser has determined is compliant with state and local OSHA and Transportation standards no later than the pre-work meeting and prior to commencing operations. Traffic control devices shall be appropriate to current operating and/or weather conditions and shall be covered or removed when not needed., Flagmen and devices shall be as specified in state OSHA and Transportation standards for logging roads or the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD) published by the U.S. Department of Transportation - Federal Highway Administration. Included in the Traffic Control Plan, Purchaser shall note traffic control device locations on a Purchaser produced copy of the contract Exhibit A Map.



TIMBER SALE CONTRACT MAP USDI-BLM COOS BAY DISTRICT T. 30 S., R. 09 W., Sec. 17, Will. Mer.

SALE NO. ORC00-TS-2016.0032 EXHIBIT A Page 1 of 1 Slater Gust Salvage



Salvage Cut Area	
Unit 1	10 ACRES
Total Reserve Area	312 ACRES
Total Contract Area _	322 ACRES

Acreage data was collected using a Trimble Geo XT Global Positioning System receiver. Acreage was calculated based on Global Positioning System traverse procedures including differential correction.

$\bigcirc$	Botany Buffer Area	•	Gate
•	Corner Found	$\otimes$	Proposed Landing
2000	Blowdown Salvage Area	_	Stream Channel
	Ground-based Yarding Area		100' Contour
	Ground-based Tarding Area		Existing Road
	Boundary of Contract Area		Road to be Renovated
	Reserve Area	•••••	Roadside Hazard Reduction, 1-side

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

	page 1
Contract No:	ORC00-TS-2016.0032

Slater Gust Salvage

**EXHIBIT B**LUMP SUM SALE

The following estimates and calculations of value of timber sold are made solely as an administrative aid for determining: (1) adjustments made or credits given in accordance with Secs. 6, 9, or 11, (2) when payments are due; and (3) value of timber subject to any special bonding provisions. Except as provided in Sec. 2, Purchaser shall be liable for total purchase price even though 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 Exhibit A.

SPECIES	ESTIMATED VOLUME in MBF	PRICE PER UNIT	AMOUNT OF ESTIMATED VOLUME OR QUANTITY X UNIT PRICE
Douglas-fir	77 MBF	\$54.90	\$4,227.30
grand fir	4 MBF	\$39.60	\$158.40
western hemlock	0 MBF	\$0.00	\$0.00
Port-Orford-cedar	0 MBF	\$0.00	\$0.00
incense cedar	0 MBF	\$0.00	\$0.00
western redcedar	0 MBF	\$0.00	\$0.00
red alder	0 MBF	\$0.00	\$0.00
bigleaf maple	0 MBF	\$0.00	\$0.00
Oregon myrtle	0 MBF	\$0.00	\$0.00
tanoak	0 MBF	\$0.00	\$0.00
Totals	81 MBF		\$4,385.70

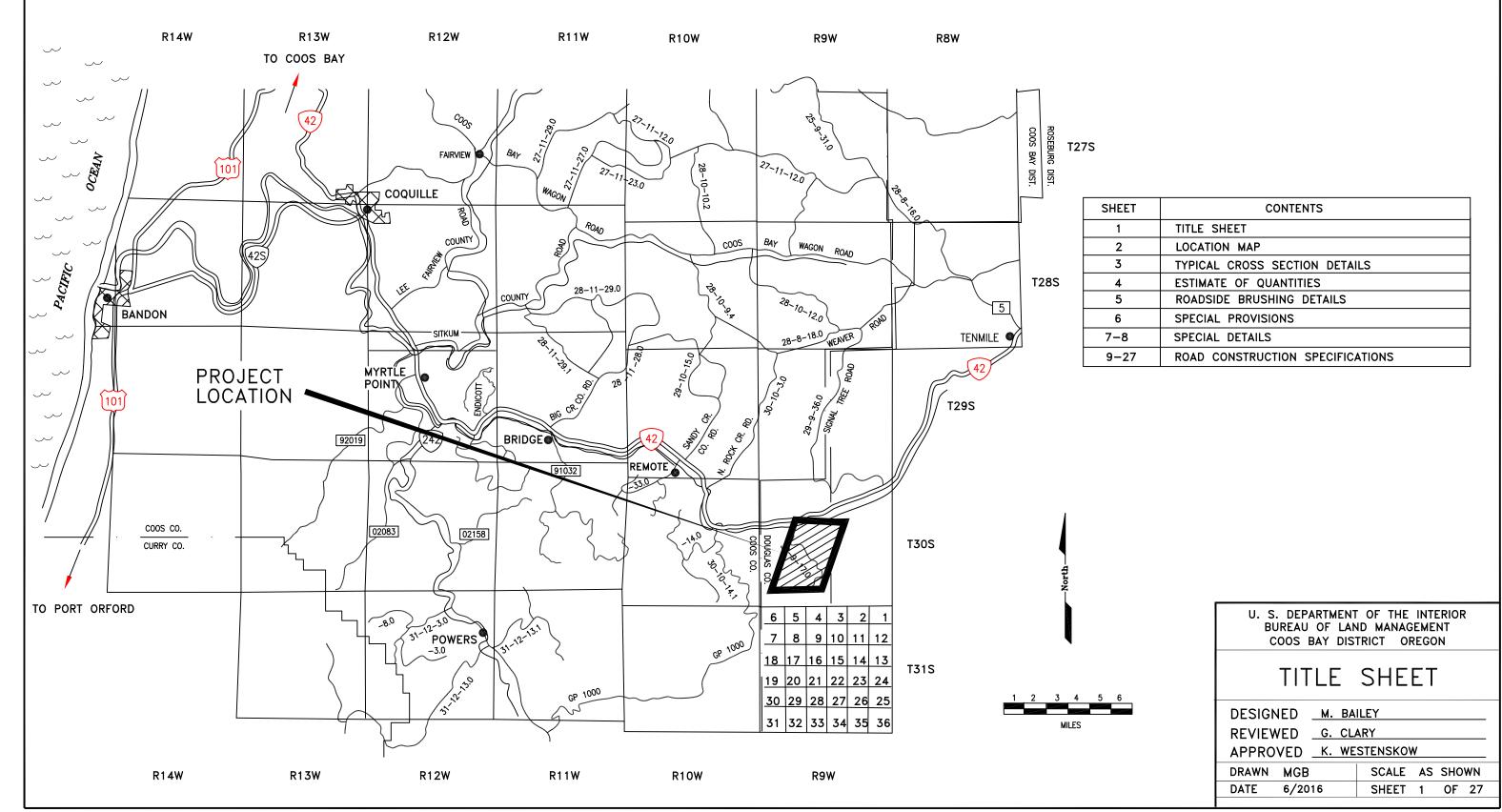
The apportionment of the total purchase price is as follows:

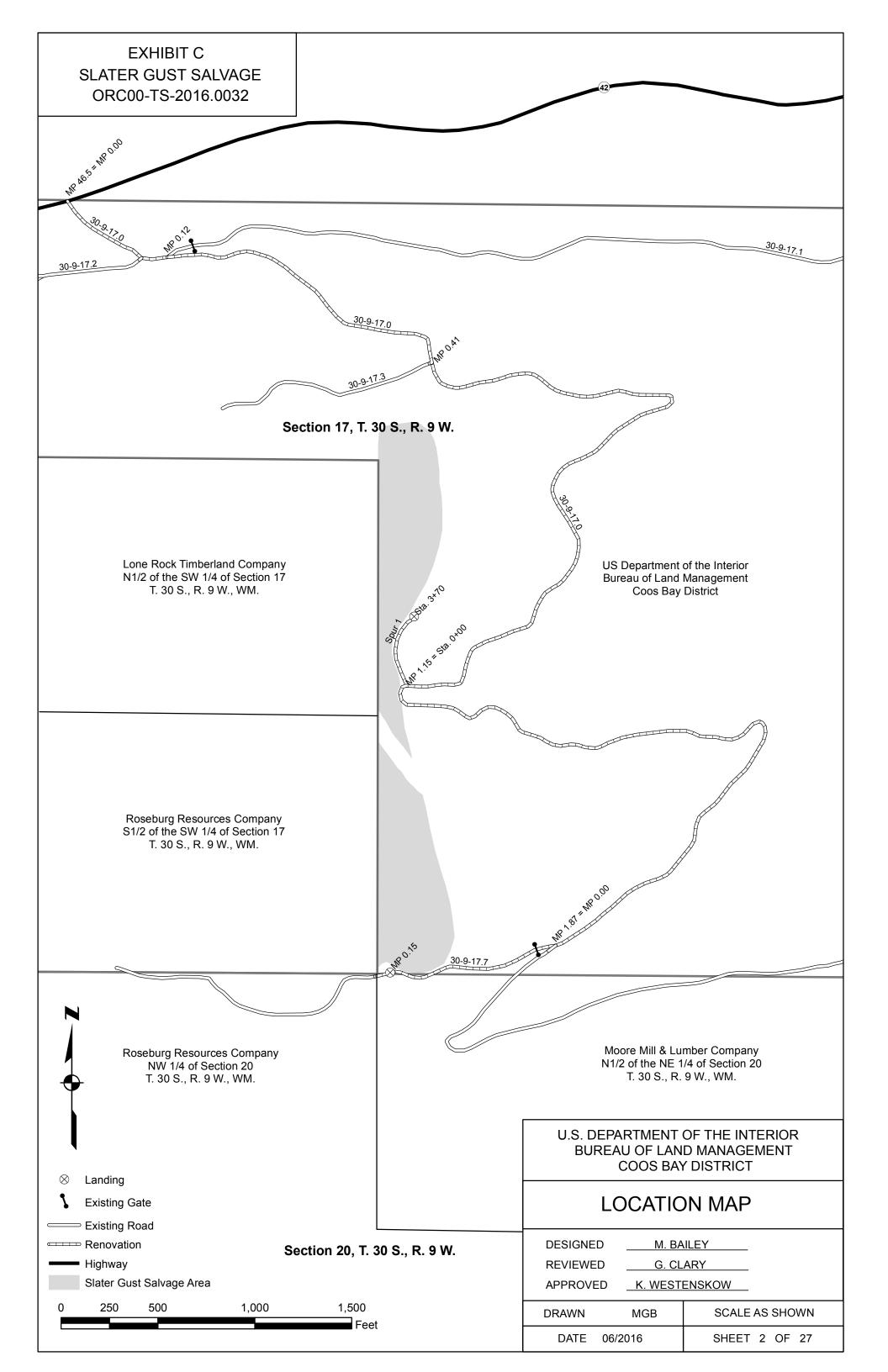
	Approx.		EST.			
	No. of	UNIT NO. 1	NET MBF			
	Trees		VOL.			
F	453	Douglas-fir	77	\$54.90		\$4,227.30
	15	grand fir	4	\$39.60		\$158.40
	0	western hemlock	0	\$0.00		\$0.00
	0	Port-Orford-cedar	0	\$0.00		\$0.00
	0	incense cedar	0	\$0.00		\$0.00
	0	western redcedar	0	\$0.00		\$0.00
	0	red alder	0	\$0.00		\$0.00
	0	bigleaf maple	0	\$0.00		\$0.00
	0	Oregon myrtle	0	\$0.00		\$0.00
	0	tanoak	0	\$0.00		\$0.00
_	468	TOTALS	81			
				10	Acres =	\$438.57 /Ac.

10 Acres = \$438.57 /Ac.
Unit Total \$4,385.70

EXHIBIT C
SLATER GUST SALVAGE
ORCOO-TS-2016.0032

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT COOS BAY DISTRICT OFFICE MYRTLEWOOD FIELD OFFICE





					TVDIOAI	ROAD	WIDTH <sup>1</sup>	CLEAI WID	RING BF TH	RUSHINO WIDTH	3			SUR	FACIN	NG				_
ROAD NUMBER **		FROM TO MILEPOST/ MILEPOST/ STATION STATION	TO MILEPOST/	LENGTH MILES/	TYPICAL SECTION TYPE	Subgrade	Ditch	BEY( TOP CUT	ONDE	XISTING	3	BASE COURSE				1	SURFACE		Ξ	REMARKS
	·			STATIONS	ITPE	oubgrade	Diten	CUT	FILL	L R	Minimum Width	Comp. Depth	Type <sup>2</sup>	Grading		Minimum Width	Comp. Depth	Type <sup>2</sup>	Grading	
30-9-17.0	R	0.00	1.87	1.87	4	16'	2'		1	0   10										
30-9-17.7	R	0.00	0.16	0.16	4	16'	2'		1	0 10										
SPUR 1	R	0+00	3+70	3+70	2	14'	0,		1	0 10										

#### **NOTES**

#### 1. EXTRA SUBGRADE WIDTHS

ADD TO EACH FILL SHOULDER 1 FT. FOR FILLS OF 1-6 FT. AND 2 FT. FOR FILLS OVER 6 FT. WIDEN THE INSIDE SHOULDER OF ALL CURVES AS FOLLOWS:

> WHEN THE RADIUS OF CURVE EQUALS 270-800 ADD 1FT. 165-270 ADD 2FT. 120-165 ADD 3FT.

90-120 ADD 4FT. 60-90 ADD 5FT.

#### OR AS SHOWN ON PLANS.

MATERIALS	CUT SLOPES	FILL SLOPE
СОММОМ	1/2:1	1 1/2:1
SOFT ROCK & SHALE	1/2:1	1 1/2:1
SOLID ROCK	1/4:1	REPOSE

FULL BENCH CONSTRUCTION IS REQUIRED ON SIDE SLOPES EXCEEDING 55%.

#### 2. SURFACING TYPE

- A. PIT RUN ROCK MATERIAL. B. GRID ROLLED ROCK MATERIAL
- D. CRUSHED ROCK MATERIAL. E. CLASS 'C' ASPHALT MIX.

#### 3. SURFACING

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

#### 4. DITCHES

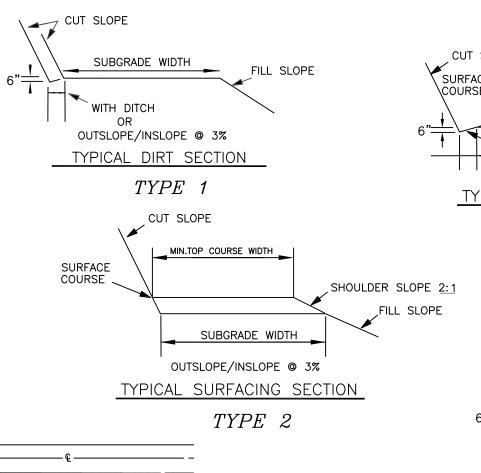
A. 4:1 SLOPE FROM SUBGRADE, OR AS OTHERWISE NOTED.
DEPTH MAY BE EXCEEDED TO OBTAIN REQUIRED DRAINAGE.

#### 5. TURNOUTS

A. WIDTH 10 FT. IN ADDITION TO SUBGRADE WIDTH, OR AS SHOWN ON THE PLANS.

10'-0"

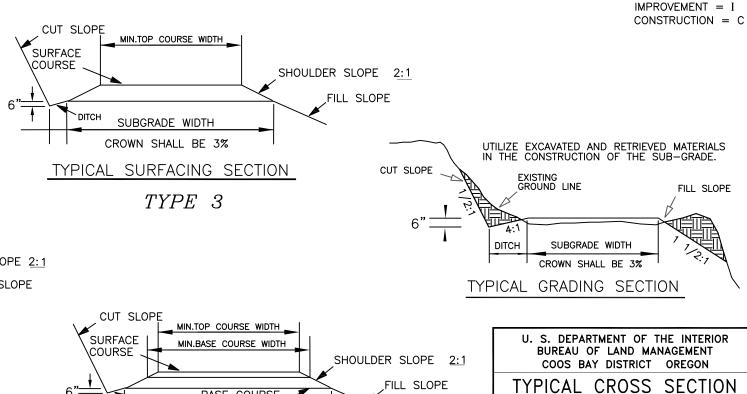
B. LOCATED APPROXIMATELY AS SHOWN ON THE ROAD PLANS OR NARRATIVE.



10'-0"

25'MIN.TAPER TURNOUT LENGTH 25'MIN.TAPER

PLAN TYPICAL TURNOUT



ALWAYS

THINK

SAFETY

BASE COURSE

SUBGRADE WIDTH

CROWN SHALL BE 3%

TYPICAL SURFACING SECTION

TYPE 4

DITCH

\*\* RENOVATION = R

DETAIL

SCALE NONE

SHEET 3 OF 27

DESIGNED M. BAILEY

REVIEWED G. CLARY

DRAWN MGB

DATE 6/2016

APPROVED K. WESTENSKOW

	EARTHWORK (DESIGNED)		CPI	CPE *1			DOWNSPOUTS *3															
		<u> </u>	Ä		9 <u>N</u>	필일	ᄱᅌ										CMP *2	FULL	ROUND	FULL	ROUND	
ROAD NUMBER	NEW CONSTRUCTION	RENOVATION	IMPROVEMENT	SLASH TREATMENT	GRUBBING	ROADSIDE BRUSHING	SLOPE STAKING	соммон	RIPPABLE ROCK	ROCK CUT	FILL	SHORT HAUL 200-5000'	LONG HAUL 5000'+	12"	18"	24"	36"	18" CPE	24" CPE	24" CMP	36" CMP	MARKERS
SECTION NO.	300	500	500	200	200	2100	2300	300	300	300	300	300	300	400	400	400	400	400	400	400	400	400
UNITS	STA.	STA.	STA.	ACRES	ACRES	ACRES	SIDES	C.Y.	C.Y.	C.Y.	YDS.	STA.YD.	YD.MI.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.
30-9-17.0		98.74				2.3																
30-9-17.7		8.45				0.2																
SPUR 1		3.70																				
TOTAL		110.89				2.5																

### ESTIMATE OF QUANTITIES \*

#1 CPE - CORRUGATED POLYETHYLENE PIPE \*2 CMP - CORRUGATED METAL PIPE

\*3 SEE DOWNSPOUT INSTALLATION SHEET

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

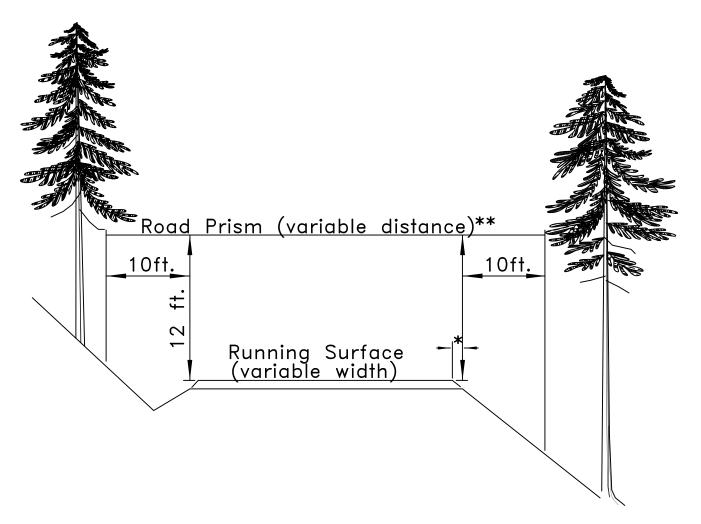


U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT COOS BAY DISTRICT OREGON

#### ESTIMATE OF QUANTITIES

DESIGNED M. BAILEY REVIEWED G. CLARY APPROVED K. WESTENSKOW

MGB SCALE NONE DATE 6/2016 SHEET 4 OF 27



- \* Variable distance between running surface and start of fill slope.
- \*\* All areas within the variable distance shall be free of all vegetation capable of growing one (1) foot in height or higher, and free of all over hanging limbs and branches 12 feet in elevation above the running surface.

U. S. DEPART	MENT OF	THE	INTERIOR
BUREAU OF	LAND M	ANAG	EMENT
COOS BAY	DISTRICT	. OF	REGON

#### ROADSIDE BRUSHING DETAIL

DESIGNED	M. BAILEY
REVIEWED_	G. CLARY
APPROVED.	K. WESTENSKOW
711 1 110 1 22	
DRAWN MGB	SCALE NONE

6/2016

ORC00-TS-2016.0032 Slater Gust Salvage Exhibit C Sheet 6 of 27

#### **SPECIAL PROVISIONS**

#### Purchaser Responsibility

The Purchaser shall avoid damaging any aggregate surfaced roads, and will be responsible for the repair of any road damaged as a result of the activity. Aggregate roads shall be left in the same condition that they were prior to logging operations.

#### Seasonal Restrictions

All road renovation and decommissioning work shall be done during the dry construction season, avoiding precipitation periods, between June 1 and October 15.

#### Spill Containment

Spill containment kit is required on-site during work. Kit contents shall include absorbent booms (two bales, four 8" x 10" booms/bale), absorbent pads (two bales, one hundred 17" x 19" x ¼" pads/bale), heavy duty garbage bags, gloves (PVC and latex), and goggles.

#### **Equipment Washing**

The Purchaser is responsible for vehicle/equipment entrance cleaning in accordance with the Exhibit F.

ORC00-TS-2016.0032 Slater Gust Salvage Exhibit C Sheet 7 of 27

#### **SPECIAL DETAILS**

#### RENOVATION OF ROAD NO. 30-9-17.0 (Slater Creek) Milepost 0.00 to 1.87

Milepost	Remarks
0.00	Junction with OR HWY 42 at Milepost 46.5. Begin renovation and roadside brushing in accordance with Sections 500 and 2100 of the Road Specifications, Typical Cross Section Sheet No. 3, and Roadside Brushing Detail Sheet No. 5.
	Typical cross couldn't choot to. c, and recading Drashing Dotail Choot to. c.
0.05	Bridge – Middle Fork Coquille River
0.08	Junction. BLM Road 30-9-17.2 right.
0.12	Junction. BLM Road 30-9-17.1 left.
0.41	Junction. BLM Road 30-9-17.3 right.
1.15	Junction. Renovate Spur 1 right.
1.35	Renovate turn out left.
1.83	Renovate turn out right.
1.87	Junction. Renovate RRC Road No. 30-9-17.7 right.
	End of renovation.

#### RENOVATION OF ROAD NO. 30-9-17.7 Milepost 0.00 to 0.16

Milepost	Remarks
0.00	Junction with 30-9-17.0 at Milepost 1.83. Begin renovation and roadside brushing in accordance with Sections 500 and 2100 of the Road Specifications, Typical Cross Section Sheet No. 3, and Roadside Brushing Detail Sheet No. 5.
0.10	Renovate turn out right.
0.13	Property line. Leave BLM and enter Moore Mill & Lumber Company lands.
0.14	Property line. Leave Moore Mill & Lumber Company lands and enter BLM.
0.15	Renovate roadside cable landing right.
0.16	Property line.
	End of renovation.

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#### RENOVATION OF SPUR 1 Station 0+00 to station 3+70

<u>Station</u>	Remarks
0+00	Junction with 30-9-17.0 at Milepost 1.15. Begin renovation in accordance with Sections 500 of the Road Specifications and Typical Cross Section Sheet No. 3.
1+00	Remove existing barrier and logging slash.
3+70	Renovate existing 40' diameter cable landing.
	End of renovation.

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#### **ROAD CONSTRUCTION SPECIFICATIONS**

General road construction specifications are designated by numeric symbols according to the type of road work to be performed, as follows:

GENERAL
CLEARING AND GRUBBING
EXCAVATION AND EMBANKMENT
PIPE CULVERTS
RENOVATION AND IMPROVEMENT OF EXISTING ROADS
WATERING
AGGREGATE BASE COURSE (PITRUN ROCK)
AGGREGATE BASE COURSE (CRUSHED ROCK)
AGGREGATE SURFACE COURSE (CRUSHED ROCK)
GEOTEXTILES
SLOPE PROTECTION
EROSION CONTROL
SOIL STABILIZATION
ROADSIDE BRUSHING

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#### GENERAL - 100

#### 101 - Pre-work Conference(s):

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

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

#### 102 - Definitions:

<u>AASHTO</u> - American Association of State Highway and Transportation Officials. Current editions of tests and specifications.

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

ACI - American Concrete Institute

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

ASTM - American Society for Testing and Materials.

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

BLM - Bureau of Land Management

<u>Borrow</u> - Excavated material required for embankments and other portions of the work.

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

<u>Culvert</u> - 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.

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

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

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

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

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

<u>Grading</u> - 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.

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

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

<u>Pioneer Road</u> - Temporary construction access built along the route of the project.

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

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

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

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

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

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

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

<u>Purchaser</u> - 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.

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

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

<u>Roadbed</u> - 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.

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

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

<u>Roadway</u> - 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.

<u>Scale</u> - 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.

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

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

<u>Shoulder</u> - 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

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pertaining to performance of the work.

<u>Specific Gravity</u> - 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.

<u>Structures</u> - 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.

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

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

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

<u>Tackifier</u> - A compound which penetrates into the earth and assists in creating a crust through the cohesive bonding of the surface materials to a depth sufficient to stabilize the soil surface and/or a compound used to mat together mulching material.

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

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

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

<u>Timber</u> - Standing trees, downed trees, or logs, or portions thereof, which are capable of being measured in board feet.

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

<u>Typical Cross Sections</u> - 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.

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

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

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<u>Unaged Cloth</u> - Cloth in condition received from the manufacturer or distributor.

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

### 102a -

AASHTO T 180

Tests Used in The	ese Specifications:
AASHTO T 11	Quantity of rock finer than No. 200 sieve.
AASHTO T 27	Sieve analysis of fine and coarse aggregate using sieves with square openings; gradation.
AASHTO T 89	Liquid limit of material passing the No. 40 sieve. Water content at which the soil passes from a plastic to a liquid state.
AASHTO T 90	Plastic limits and plasticity index of soil.
	a. Plastic limit - lowest water content at which the soil remains plastic.
	b. Plasticity index - range of water content, within which the material is in a plastic state. Numerical difference between the liquid and plastic limits of the soil.
AASHTO T 96	Resistance to abrasion of small size coarse aggregate by use of the Los Angeles machine.
AASHTO T 99	Relationship between soil moisture and maximum density of soil.
	Method A - 4" mold, soil passing a No. 4 Sieve. 25 blows/layer & 3 layers.
	Method D - 6" mold, soil passing a 19.00 mm (3/4 inches) sieve. 56 blows/layer & 5 layers.
AASHTO T 176	Shows relative portions of fine dust or clay-like materials in soil or graded aggregate.

AASHTO T 191 Sand Cone. Density of soil in place: For subgrade use 6-inch or 12-inch cone. For rock surfacing for 1-1/2-inch minus to 3-inch minus use 12-inch cone.

(OSHD 106-71) moisture density relationship of soil same as

AASHTO T 99 proctor but uses a 10-lb rammer & 18-in drop.

AASHTO T 205 Rubber balloon. Density of soil in place. Use for compacted or firmly bonded soil.

AASHTO T 210 Durability of aggregates based on resistance to produce fines.

AASHTO T 224 Correction for coarse particles in the soil.

AASHTO T 238 Determination of density of soil and soil-aggregates in place by

nuclear methods.

AASHTO T 248 Reducing field samples of aggregate to testing size by mechanical

splitter, quartering, or miniature stockpile sampling.

DES. E-12 Determination of relative density of cohesionless soils.

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

- 103 Compaction equipment shall meet the following requirements:
- Sheepfoot roller. A tamping roller unit shall consist of two watertight metal drums mounted in frames in such manner as to be fully oscillating, together with a tractor having sufficient weight and power under actual working conditions to pull the roller drums at a minimum speed of 2.5 miles per hour. The drums shall be no less than 60 inches in diameter and no less than 54 inches in length, measured at the drum's surface, and shall be studded with tamping feet projecting not less than 7 inches from the face of the drums.

The distance between circumferential rows of tamper feet shall be such that the diagonal distance from any foot to the nearest foot in each adjacent row shall be not more than 12 inches. The cross-sectional area of the face of each tamper foot, measured perpendicular to the axis of the stud, shall be not less than 5-1/2 square inches nor more than 8 square inches.

The weight of the tamping-roller unit shall be such as to exert a minimum pressure of 250 pounds per square inch on the ground area in contact with the tamping feet, and the roller shall be so designed that the weight may be increased to exert a pressure up to 500 pounds per square inch on the ground area in contact with the tamping feet. The ground pressure shall be determined by dividing the total weight of the roller unit, not including the weight of the tractor, by the total cross-sectional area of the tamping feet in one row of tamping feet parallel to the axis of the roller.

Grid roller. A grid roller shall consist of two or more cylindrical drums independently mounted on a common shaft in a rigid frame. Each drum shall have a minimum outside diameter of 5 feet and a minimum width of 2 feet 6 inches. The overall width of the roller exclusive of frame shall be not less than 5 feet 6 inches of which not more than 6 inches shall be used for center spacing between two roller drums. The face of the drums shall have the appearance of woven open-mesh made by interlacing bars of not less than 1-1/4 inches nor more than 1-3/4 inches diameter space spaced on 4-1/2 inches to 5-1/2 inches center. Net opening between the bars shall be not less than 3-inches nor more than 4 inches. The roller shall be so constructed that counterweights can be used to adjust the gross weight of the roller to

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not less than 27,000 pounds. The grid roller shall be drawn by a power unit capable of propelling the fully loaded roller at a speed of at least 4 miles per hour.

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

### RENOVATION AND IMPROVEMENT OF EXISTING ROADS - 500

- 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 shown on the plans.
- 501a This work shall include the removal and disposal of slides in accordance with these specifications.
- The existing road surface shall be scarified to its full width and to a sufficient depth to eliminate surface irregularities and bladed and shaped to the lines, grades, dimensions, and typical cross sections shown on the plans at the following location(s):

Road No.	From Sta./M.P.	To Sta./M.P.
30-9-17.0	0.00	1.87
30-9-17.7	0.00	0.16
Spur 1	0+00	3+70

- 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.
- Drainage ditches shall be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans. Drainage ditches that are vegetated, capable of adequate water flow, and are in accordance with the lines, grades, dimensions, and typical cross sections shown on the plans shall not be bladed.
- 503 Debris from slides shall be disposed of as directed by the Authorized Officer.
- 504 Scarified material and existing road surface shall be uniformly moistened or dried to

the optimum moisture content suitable for maximum density and compacted to full width with equipment conforming to requirements of Subsection 103f and in accordance with the following table:

Road No.	From Sta./M.P.	To Sta./M.P.
30-9-17.0	0.00	1.87
30-9-17.7	0.00	0.16
Spur 1	0+00	3+70

- 504a Minimum compaction required shall be 1 hour of continuous rolling for each 4 stations of road, or fraction thereof, as measured along the centerline per layer of material.
- The inlet end of existing drainage structures shall be cleared of vegetative debris and boulders that are of sufficient size to obstruct normal stream flow. Pipe inverts shall be cleared of sediment and other debris lodged in the barrel of the pipe. The outflow area of designated pipe structures shall be cleared of rock and vegetative obstructions which will impede the structure's designed outflow configuration. Catch basins shall conform to the lines, grade, dimensions, and typical diagram shown on the plans.
- The finished grading shall be approved in writing by the Authorized Officer. The Purchaser shall give the Authorized Officer 3 days notice prior to final inspection of the grading operations.

#### WATERING - 600

- This work shall consist of furnishing and applying water required for the compaction of embankments, roadbeds, backfills, base courses, surface courses, finishing and reconditioning of existing roadbeds laying dust, or for other uses in accordance with these specifications.
- Water, when needed for compaction shall be applied at the locations in the amounts and during the hours as directed by the Authorized Officer. Amounts of water to be provided will be the minimum needed to properly execute the compaction requirements in conformance with these specifications.
- Water trucks used in this work shall be equipped with a distributing device of ample capacity and of such design as to ensure uniform application of water on the road bed.

# AGGREGATE SURFACE COURSE, SPOT, AND MAINTENANCE ROCK - 1200 CRUSHED ROCK MATERIAL

1201 - This work shall consist of furnishing, hauling, and placing one or more layers of crushed rock material on roadbeds and base courses approved for placing crushed rock material in accordance with these specifications and conforming to the

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- dimensions and typical cross sections shown on the plans. Material not conforming to these specifications will be rejected and shall be removed from the road.
- 1202a Crushed rock materials used in this work may be obtained from commercial source(s) selected by the Purchaser at his option and expense, providing rock materials furnished comply with the specifications in this section.
- When crushed rock material is produced from gravel, not less than 75 percent by weight of the particles retained on the No. 4 sieve will have 3 manufactured fractured face(s).
- 1204 Crushed rock material shall consist of hard durable rock fragments conforming to the following gradiation requirements:

### **TABLE 1204**

# AGGREGATE SURFACE COURSE CRUSHED ROCK MATERIAL

Percentage by weight passing square mesh sieves
AASHTO T 11 & T 27

### **GRADIATION**

Sieve Designation	С
1-1/2-inch	100
1-inch	-
3/4-inch	50-90
½-inch	-
No. 4	25-50
No. 8	-
No. 30	-
No. 40	5-25
No. 200	2-15

- Crushed rock material retained on the No. 4 sieve shall have a percentage of loss of not more than 35 at 500 revolutions, as determined by AASHTO T 96.
- 1206 Crushed rock material shall show a durability value of not less than 35 as determined by AASHTO T 210.
- 1206a The crushed rock material shall show a loss of not more than 20 percent by weight, when submerged in DMSO, dimethyl sulfoxide, for five days, according to Federal Highway Administration Region 10 Accelerated Weathering Test Procedure.

- That portion of crushed rock material passing the No. 40 sieve, including blending filler, shall have liquid limits of not more than 35 and a plasticity index of not less than 4 and not more than 12 as determined by AASHTO T 89 and AASHTO T 90.
- 1207a That portion of crushed rock material passing No. 4 sieve, including blending filler, shall have a sand equivalent of not less than 35, as determined by AASHTO T 176, except where that portion exhibits a sand equivalence of less than 35, the aggregate will be accepted if it complies with the additional requirement as follows:

Sand Equivalent AASHTO T 176 Maximum	Liquid Limit AASHTO T 89 Maximum	Plasticity Index AASHTO T 90 Maximum	Percentage Passing No. 200 Sieve AASHTO T 27 Maximum
34	25	9	9
33	25	8	8
32	25	7	7
31	25	6	6
30	25	5	5
29 or less	25	4	4

- If additional binder or filler material is necessary to meet the grading or plasticity requirements or for satisfactory bonding of the material, it shall be uniformly blended with the crushed rock material at the crushing and screening plant prior to placing on the road, unless otherwise agreed. The material for such purposes shall be obtained from sources approved by the Authorized Officer and shall be free from stones, vegetative matter, and other deleterious materials.
- 1208a Each layer of crushed rock material shall be thoroughly mixed on the roadbed by alternately blading, to full depth, until a uniform mixture has been obtained. The mixture shall then be spread to full width. When completed, the spreading shall produce a surface which is smooth, presents uniform shoulder lines, and conforms to the specified cross section.
- Shaping and compacting of roadbed shall be completed and approved in writing, prior to placing crushed rock material, in accordance to the requirements of Subsections 500 for placing on the roadbeds. Notification for roadbed inspection, prior to rocking, shall be 3 days prior to that inspection and shall be 6 days prior to start of rocking operations.
- Crushed rock material conforming to the requirements of these specifications shall be placed on the approved roadbed in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans. Compacted layers shall not exceed 4 inches in depth. When more than one layer is required, each shall be shaped, processed, compacted, and approved by the

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Authorized Officer before the succeeding layer is placed. Irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and then adding or removing crushed rock material until the surface is smooth and uniform.

- 1210a Crushed rock material used to repair or reinforce soft, muddy, frozen, yielding, or rutted roadbed shall not be construed as surfacing required by this specification.
- Each layer of crushed rock material placed, processed, and shaped as specified shall be moistened or dried to a uniform moisture content suitable for maximum compaction and compacted to full width by compacting equipment conforming to the requirements of Subsection 103i. Minimum compaction shall be 1 hour of continuous compacting for each 150 cubic yards or fraction thereof, of crushed rock material placed per layer.

### **EROSION CONTROL - 1700**

- This work shall consist of measures to control soil erosion or water pollution during the construction operation through the use of berms, dikes dams, sediment basins, fiber mats, netting, gravel, mulches, grasses, slope drains and other erosion control devices or methods in accordance with these specifications and conforming to the lines, grades, dimensions, and typical cross sections shown on the plans.
- 1702 The Purchaser shall construct dike(s), dam(s), diversion channel(s), settling basin(s) and other erosion control structure(s) as directed by the Authorized Officer.
- 1704 The erosion control provisions specified under this subsection shall be coordinated with the soil stabilization requirement(s) of Section 1800.
- 1705 The surface area of erodible earth material exposed at any one time by clearing and grubbing shall not exceed 25,000 square feet without prior approval by the Authorized Officer.
- 1706 The surface area of erodible earth material exposed at one time by excavation, borrow, or fill within the right-of-way shall not exceed 25,000 square feet without prior approval by the Authorized Officer.
- 1706a The Purchaser shall perform, during the same construction season, erosion control measures specified in the plans on all exposed excavation, borrow, and embankment areas.
- 1707 Completed and partially completed segments of road(s) to be carried over the winter and early spring periods shall be stabilized by mulching exposed areas at the rate of 2,000 pounds per acre.
- 1708a Road segments not completed during dry weather periods shall be winterized, by providing a well-drained roadway by water barring, maintaining drainage, and performing additional measures necessary to minimize erosion and other damage to

the roadway, as directed by the Authorized Officer. Portions of roads not having surface rock in place will be blocked or barricaded to prevent vehicular traffic.

### **SOIL STABILIZATION - 1800**

- This work shall consist of seeding, fertilizing 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, fertilizing and mulching shall be performed on new road construction, road renovation, improvements, landings and disturbed 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: March 15 To: April 30 From: September 1 To: October 15

If soil stabilization of disturbed areas is not completed by the specified fall date, the Purchaser shall treat disturbed areas in accordance with Section 1707 and then complete the requirements of Soil Stabilization 1800 the next construction season.

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

1804 - The Purchaser shall furnish the following species of grass seed meeting corresponding germination, purity, and weed content requirements:

Species	Germination Min. %	Purity Min. %	Weed Content Max. %
Annual ryegrass Lolium multiflorum	85%	95%	0.5%
Perennial rye grass Lolium perenne	85%	95%	0.5%

The grass seed furnished shall meet the minimum requirement for Blue Tag Seed as set forth in the latest edition of Oregon Certification Standards published by Oregon State University.

The Purchaser shall furnish the Authorized Officer a Certificate of Compliance from Oregon State University, Crop Certification Service, which shall include: date of test; lot number of each kind of seed; and results of tests as to name, percentages of purity and of germination, and percentage of weed content for each kind of seed furnished and, in case of mixture, the proportions of each kind of seed. The seed

must have been tested within the last 2 years to be accepted for use on this contract.

1805 - The Purchaser shall mix and sack grass seed specified under Subsection 1804 in the following proportions:

Species	% of Total by Weight	Lbs. per Acre
Annual ryegrass Lolium multiflorum	40%	24
Perennial rye grass Lolium perenne	60%	36
Totals	100	60 lbs./ac.

- 1805a The Purchaser shall certify, in writing, compliance with seed mixture(s) specified under Subsection 1805. Seed weight and seed mixture type shall be shown on the tag attached to each sack.
- 1805b Seed shall be sacked in quantities proportional to the capacity of the Purchaser's slurry tank and the required rate of application as specified under Subsection 1812.
- 1806 The Purchaser shall apply the seed mixtures specified under Subsection 1805 to the corresponding seeding projects as shown on Sheet No. 4.
- 1806a Additional soil stabilization work consisting of seeding, fertilizing and mulching may be required at the option of the Authorized Officer. Providing the additional stabilization is not due to Purchaser negligence as specified in Section 12 of the contract, a reduction in the total purchased price shall be made to offset the cost of furnishing and applying such additional stabilization material. Cost shall be based upon the unit price set forth in the current BLM Timber Appraisal Production Cost Schedule.
- Fertilizer shall be a standard commercial grade of fertilizer conforming to all State and Federal regulations and to the standards of the Association of Official Agricultural Chemists. Fertilizer furnished shall provide the minimum percentage of available nutrients as specified below:

Available nitrogen	16%
Available phosphoric acid	20%
Potassium	16%

The Authorized Officer will take what samples he deems necessary for determining compliance with the above requirements.

Fertilizer shall be furnished in new sealed and properly labeled containers with name, weight, and guaranteed analysis of contents clearly marked. Material failing to meet these requirements, or that which has become wet or otherwise damaged in transit or

storage, will be subject to rejection by the Authorized Officer.

- 1809 Mulch materials conforming to the requirements of Subsections 1809b, 1809d or 1809e shall be furnished by the Purchaser in the amounts specified under Subsection 1812.
- 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 non-injurious 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 - Spra-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.

- 1809d Straw mulch shall be from oats, wheat, rye, or other approved grain crops which are free from noxious weeds, mold, or other objectionable materials. Straw mulch shall be in an air-dry condition and suitable for placing with power spray equipment.
- 1809e Grass straw mulch shall be from perennial grass or, if specified, an annual rye grass, from which the seed has been removed. The straw shall be free from noxious weed seed, mold, or other objectionable materials.
- Mulch material shall be delivered to the work area in a dry state. Material found to be wet will not be accepted. Material to be used in the mulching operation may be stockpiled along the road designated for treatment provided that it be maintained in a dry state and has the approval of the Authorized Officer.
- 1811 Bulk mulching material required under these specifications shall be delivered to the work area bound either by twine, string, or hemp rope. Wire binding and plastic twine will not be permitted.
- The Purchaser shall furnish and apply to approximately 9.6 acres designated for treatment as shown on the plans and as specified under Subsection 1806, a mixture of water, fertilizer and mulch material, or a mixture of grass seed and fertilizer material at the following rate of application:
  - a. Single Stage (Hydraulic):Water 3,000 gals./acre

ORC00-TS-2016.0032 Slater Gust Salvage Exhibit C Sheet 25 of 27

Grass Seed 60 lbs./acre Fertilizer 200 lbs./acre Mulch 3.000 lbs./acre

b. Dry Application:

Grass Seed 60 lbs./acre Fertilizer 200 lbs./acre Mulch/Straw 3.000 lbs./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 slopes and no application on areas already well stocked with grass or on rock surfaces.
- 1816 The seed, fertilizer and mulch materials shall be placed by the hydraulic or dry method in accordance with the requirements set forth in Subsection 1816a and 1816b.
- 1816a Hydraulic Method The seed, fertilizer and mulch materials shall be mixed with water to form a slurry and then applied under pressure by hydro-seeder.
   When processed wood cellulose or grass fiber mulch material is to be incorporated as an integral part of the slurry mix, it shall be added after the seed and fertilizer have been thoroughly mixed.
- 1816b Dry Method Blowers, mechanical seeders, seed drills, landscape seeders, Cultipaker seeders, fertilizer spreaders, or other approved mechanical seeding equipment may be used when seed and fertilizer are to be applied in dry form.
- 1817 Hydraulic equipment used for the application of slurry shall meet the following requirements:

The equipment shall have a built-in agitation system. The slurry distribution lines shall be large enough to prevent stoppage. Discharge line shall be equipped with a set of hydraulic spray nozzles which will provide even distribution of the slurry on the various slopes to be treated. The slurry tank shall have a minimum operation capacity of 1,300 gallons and shall be mounted on a traveling unit which will place the slurry tank and spray nozzles within sufficient proximity to the areas to be treated so as to provide uniform distribution without waste. Lug- or track-type units are not authorized. The hydro-seeder must be capable of spraying the slurry a minimum distance of 100 feet. The nozzle, mounted on a stand, must be capable of traversing 360 degrees on a horizontal plane and a minimum of 70 degrees on a vertical plane.

- 1817a Hydro mulch slurry mixing shall be with water and seed first, followed by fertilizer, and finally fiber. The time between mixing and application shall not exceed 1 hour.
- 1819 The maximum distance to be seeded, fertilized and mulched from the road centerline shall be 100 feet for the cut slopes and 150 feet for the fill slopes.
- 1820 The Purchaser shall notify the Authorized Officer at least 3 days in advance of date

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he intends to commence the specified soil stabilization work.

- Mulch that collects at the end of culverts or accumulates to excessive depths on the slopes shall be evenly spread by hand methods, as directed by the Authorized Officer.
- No materials shall be applied when wind velocities would prevent a uniform application of the mix or slurry or when winds would drift the mix or slurry spray outside of the designated treatment area.
- 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**

- This work shall consist of cutting and the removal of vegetation from the road prism variable distance and inside curves in accordance with these specifications. This work shall conform to the lines, grades, dimensions, and typical cross sections shown on the Roadside Brushing Detail Sheet, at designated locations as shown in the plans.
- 2102 Roadside brushing may be performed mechanically with self-powered, self-propelled equipment and/or manually with hand tools, including chainsaws.
- Vegetation cut manually or mechanically less than 6 inches in diameter at D.B.H. shall be cut to a maximum height of 6 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.
- Vegetation shall be cut and removed from the road bed between the outside shoulders and the ditch centerline and such vegetation shall be cut to a maximum height of 1 inch above the ground and running surface. 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.
- Trees in excess of 6 inches in diameter at D.B.H. shall be limbed, so that no limbs extend into the treated area or over the roadbed to a height of 12 feet above the running surface of the roadway on cut and fill slopes, within the road prism-variable distance. Limbs shall be cut to within 1 inch of the trunk to produce a smooth vertical face. Removal of trees larger than 6 inches in diameter for sight distance or safety may be directed by the Authorized Officer.
- Vegetation that is outside of the road prism-variable distance that protrudes into the road prism and within 12 feet in elevation above the running surface shall be cut, to within 1 inch of the trunk to produce a smooth vertical face.
- 2106 Vegetative growth capable of growing 1 foot in height or higher shall be cut within the road prism/variable distance or as directed by the Authorized Officer.

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- 2108 Self propelled equipment shall not be permitted on cut and fill slopes or in ditches.
- Debris resulting from roadside brushing 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 the Authorized Officer.
- 2113 Roadside brushing shall be accomplished as specified on the roads listed on Sheet No. 4.
- 2116 Mechanical brush cutters shall not be operated when there are people and occupied vehicles within 400 feet of the immediate operating area.
- 2117 Traffic warning signs shall be required at each end of the work area. Signs shall meet the requirements of the Manual on Uniform Traffic Devices.

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Version: 5.2.0.45

Updated: 4/13/2016 Summary of All Roads and Projects T.S. Contract Name: Slater Gust Salvage Tract No: 2016.0032 Sale Date: 06/24/2016 Prepared by: M. Bailey Ph: 751-4234 Print Date: 6/3/2016 10:18:16 AM Construction: 0.00 sta Improve: 0.00 sta Renov: 111.04 sta Decom: 0.00 sta Temp: 0.00 sta 200 Clearing and Grubbing: 0.0 acres ..... \$0.00 300 Excavation: ...... \$0.00 Haul < 500 ft: 0 sta-yds Haul > 500 ft: 0 yd-mi 400 Drainage: ..... \$0.00 Culvert: 0 lf DownSpout: 0 lf PolyPipe: 0 lf 500 Renovation: ...... \$873.03 700-1200 Surfacing: ..... \$0.00 1300 Geotextiles: ..... \$0.00 1400 Slope Protection: ..... \$0.00 1800 Soil Stabilization: 0.0 acres ...... \$0.00 1900 Cattleguards: ..... \$0.00 2300 Engineering: 0.00 sta. ..... \$0.00 2400 Minor Concrete: ..... \$0.00 2500 Gabions: ..... \$0.00 8000 Miscellaneous: ..... \$0.00 Mobilization: Const. \$1,071.00 Surf. \$0.00...... \$1,071.00 Quarry Development: ..... \$0.00 Total: 107 mbf @ \$31.102/mbf = \$3,327.87

#### Notes:

Quantities shown are estimates only and not pay items. Surfacing Quantities are loose cubic yards.

### ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slater Gust Salvage Sale Date: 06/24/2016  Road Number: 30-9-17.0 Road Name: Slater Creek  Road Renovation: 1.87 mi 16 ft Subgrade 2 ft ditch 4/13/2016	
200 Clearing and Grubbing: acres	\$0.00
300 Excavation:	\$0.00
400 Drainage:  Culvert: 0 lf  DownSpout: 0 lf  PolyPipe: 0 lf	\$0.00
500 Renovation:	\$625.90
700-1200 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: 2.3 acres	\$1,326.18
2300 Engineering: 0.00 sta	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$926.36 Surf. \$0.00	\$926.36
Quarry Development:	\$0.00
Total:	\$2,878.44

Notes:

Quantities shown are estimates only and not pay items. Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 30-9-17.0 Road Name: Slater Creek

Section 200 Clearing and Grubbing:

Subtotal: \$0.00

Section 300 Excavation:

Subtotal: \$0.00

Section 400 Drainage:

Subtotal: \$0.00

Section 500 Renovation:

Clean Culverts: \$334.17/mi x 1.87 mi = \$625.90

Subtotal: \$625.90

Section 700-1200 Surfacing:

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 Medium: \$576.60/acre x 2.30 acres = \$1,326.18

Subtotal: \$1,326.18

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 - 86.50% of total Costs = \$926.36

surfacing = 0% \$0.00

Subtotal: \$926.36

Quarry Development:

Subtotal: \$0.00

Total: \$2,878.44

### ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slater Gust Salvage Sale Date: 06/24/2016  Road Number: 30-9-17.7 Road Name:	
Road Renovation: 0.16 mi 16 ft Subgrade 2 ft ditch 4/13/2010	5
200 Clearing and Grubbing: acres	\$0.00
300 Excavation:	\$0.00
400 Drainage:  Culvert: 0 lf  DownSpout: 0 lf  PolyPipe: 0 lf	\$0.00
500 Renovation:	\$53.47
700-1200 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: 0.2 acres	\$57.66
2300 Engineering: 0.00 sta	\$0.00
2400 Minor Concrete:	\$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	\$0.00
Mobilization: Const. \$52.74 Surf. \$0.00	\$52.74
Quarry Development:	\$0.00
Total:	\$163.86
NULLES.	

### Notes:

Quantities shown are estimates only and not pay items. Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Constitution Worksheet		
Road Number: 30-9-17.7 Road Name:		
Section 200 Clearing and Grubbing:	Subtotal:	\$0.00
Section 300 Excavation:	Subtotal:	\$0.00
Section 400 Drainage:	Subtotal:	\$0.00
Section 500 Renovation: Clean Culverts: \$334.17/mi x 0.16 mi = \$53.47	Subtotal:	\$53.47
Section 700-1200 Surfacing: 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: Brushing width Left: 5ft. Right: 5ft. RoadSide Brushing Light: \$288.30/acre x 0.20 acres = \$57.66	Subtotal:	\$57.66
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 - 4.92% of total Costs = \$52.74 surfacing = 0% \$0.00	Subtotal:	\$52.74
Quarry Development:	Subtotal:	\$0.00

Total: \$163.86

### ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Slater Gust Salvage Sale Date: 06/24/2016  Road Number: Spur 1 Road Name:	
Road Renovation: 0.07 mi 14 ft Subgrade 0 ft ditch 4/13/2016	
200 Clearing and Grubbing: acres	\$0.00
300 Excavation:	\$0.00
400 Drainage:  Culvert: 0 lf  DownSpout: 0 lf  PolyPipe: 0 lf	. \$0.00
500 Renovation:	. \$193.66
700-1200 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
2300 Engineering: 0.00 sta	\$0.00
2400 Minor Concrete:	. \$0.00
2500 Gabions:	\$0.00
8000 Miscellaneous:	. \$0.00
Mobilization: Const. \$91.90 Surf. \$0.00	. \$91.90
Quarry Development:	. \$0.00
Total:	\$285.56
NOTES.	

### Notes:

Quantities shown are estimates only and not pay items. Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet		
Road Number: Spur 1 Road Name:		
Section 200 Clearing and Grubbing:	Subtotal:	\$0.00
Section 300 Excavation:	Subtotal:	\$0.00
Section 400 Drainage:	Subtotal:	\$0.00
Section 500 Renovation: Remove barrier & slash		
Tractor: D5 with winch 2 hr x \$96.83/hr = \$193.66	Subtotal:	\$193.66
Section 700-1200 Surfacing: 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 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 - 8.58% of total Costs = \$91.90		

Subtotal: \$91.90

Subtotal: \$0.00

Total: \$285.56

surfacing = 0% \$0.00

Quarry Development:

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

### Mobilization Costs - Construction and Surfacing

T.S. Contract Name: Slater Gust Salvage Sale Date: 06/24/2016

Average Mobilization distance = 50 miles Factor = 1.00

Mobilization: Construction

RTBackhoes 24/30: 1 ea x (1.00 x \$149.00/ea + 0 mi x \$5.01/mi)= \$149.00 Tractors <= D7: 1 ea x (1.00 x \$672.00/ea + 0 mi x \$32.67/mi)= \$672.00

Equipment Washing: 1 ea x (\$250.00) /ea = \$250.00

Subtotal: \$1,071.00

Mobilization: Surfacing

Subtotal: \$0.00

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

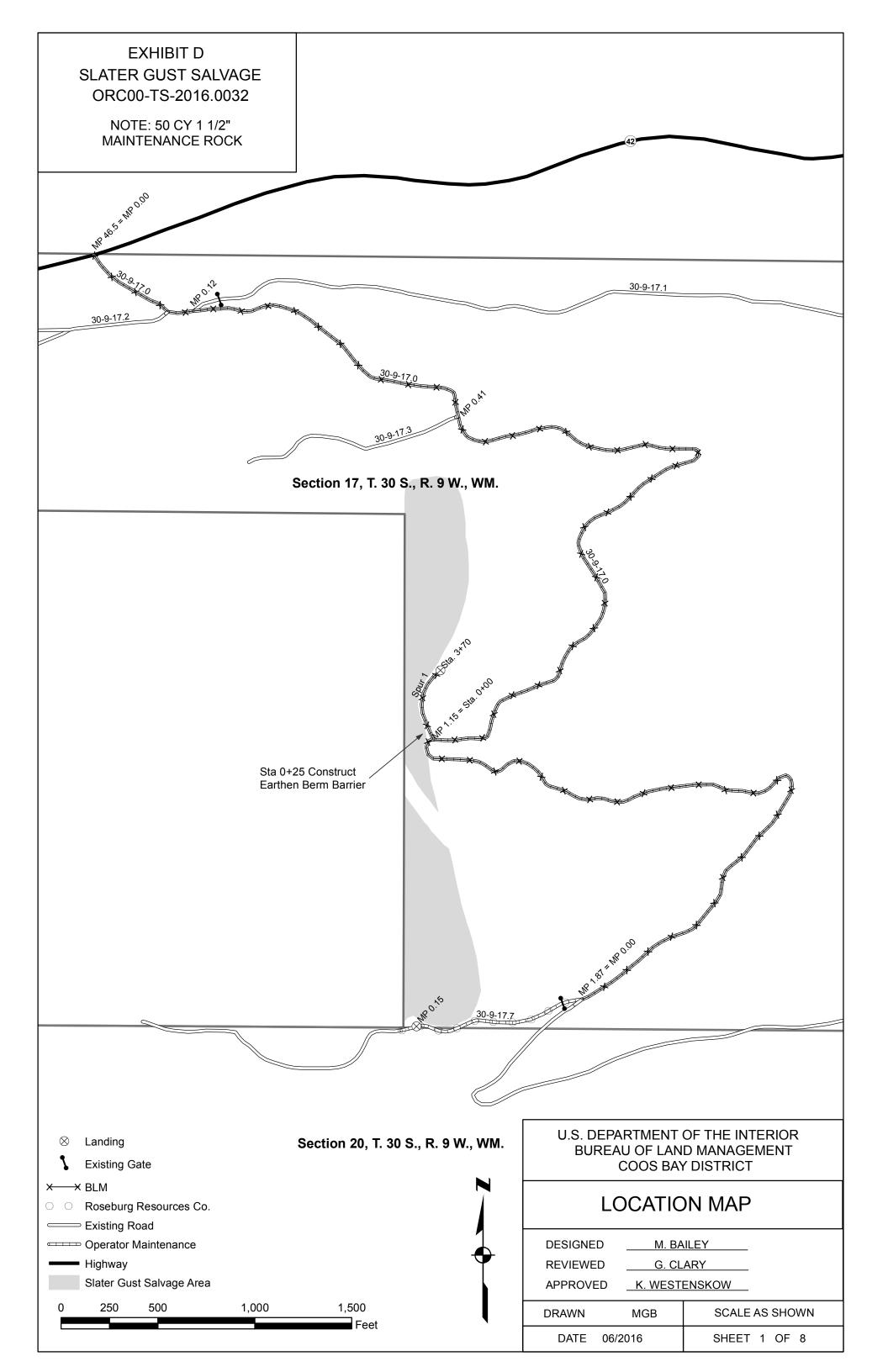
# Summary of Construction Quantities

T.S. Contract Name: Slater	Gust Salv	rage Sale D	ate: 06/24	/2016	
Road Number Const 30-9-17.0 30-9-17.7 Spur 1	Improv	Renov 98.89 8.45 3.70	Decomm	Temp	
Total Sta:		111.04			
200 Clearing and Grubbing		Clearing acres			
30-9-17.0 30-9-17.7 Spur 1		0.0 0.0 0.0			
	Totals:	0.0			
300 Excavation		Excav LCY.s	Haul sta-yds	Haul yd-mi	
	Totals:	0	0	0	
400 Drainage  Road Number Culve  Total Drainage:	ert P 	olypipe	Downspou	t -	
	Totals:		No Quantit	ies	
			2		
500 Renovation		Blade Mile	s Slide	су	
Remove barrier & slash Tractor: D5 with wir	Totals: Spur 1 ach	0.00		0	2 hr
Surfacing (Loose Cubic Yar Note: Due to slight roundi Totals shown here may not	ng differe				
1300 Geotextiles	Totals:	No Quantit	ies		
1400 Slope Protection					
	Totals:	0			

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

# Continuation of Construction Quantities

		Mulch	Mulch	Mulch
	Totals:	0.0	0.0	0.0
1900 Cattleguards	Totals:	No Quantit	ies	
2100 RoadSide Brushing 30-9-17.0 30-9-17.7	Totals:	acres 2.3 0.2 —		
2300 Engineering	Totals:	0.00		
2400 Minor Concrete	Totals:	No Quantit	ies	
2500 Gabions	Totals:	No Quantit	ies	
8000 Miscellaneous	Totals:	No Quantit	ies	



# "EXHIBIT D" ESTIMATE OF QUANTITIES\*

		SURF	ACING			OTHER		SOIL STAI	BILIZATION	OTHER
ROAD NUMBER	REPAIR ROCK **	AGG. MAINT. ROCK **	AGG. MAINT. ROCK **	SPOT ROCK **	RIPRAP BARRIER **	RIPRAP ARMOR **	JAWRUN ROCK **	DRY	HYDRO- MULCH	
SPEC. NO.	1200	1200	1000	1000	1400	1400		1800	1800	
UNITS	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	ACRES	ACRES	
30-9-17.0		30 ©	lack	B	lack	B	(A)			
30-9-17.7	C	20 O	lack	B	A	B	(A)			
SPUR 1	C	0	lack	B	A	B	(A)	0.1		
	C	0	lack	B	A	B	(A)			
	0	0	lack	B	A	B	A			
	0	0	A	B	A	B	A			
	0	0	A	B	A	B	A			
	O	O	A	B	A	B	A			
	0	0	A	B	A	B	A			
	O	0	A	B	A	B	A			
	0	0	A	B	A	B	A			
	0	0	A	B	A	B	A			
	© ©	0	(A) (A)	B B	A	(B)	A			
	©	0	A	B	A	B	A			
	(C)	0	(A)	B	A	B	A			
	0	0	A	B	A	B	A			
	0	© ©	A	B	A	B	A			
		0	A	B	A	B	A			
	0	0	A	B	A	B	A			
	(C)	0	A	B	A	B	A			
	© ©	(C)	A	B	A	B	A			
	©	0	lack	B	A	B	A			
		0	A	B	A	B	A			
	0	0	A	B	A	B	A			
	0	0	A	B	A	B	A			
	0	Ö	A	B	A	B	A			
	0	0	A	B	A	B	A			
TOTALS	©	50 ©	A	B	A	B	A	0.1		

ITEM	0.75	00405
ITEM	SIZE	GRADE
PITRUN		
1000 (Base)	3"	Α
JAWRUN	6"	В
1100	4"	В
1200 (Top)	1 ½ "	С
1400 (RIPRAP)	24-36"	A
	28"	В
CHIP SEAL ROCK	3/4"	s

GRADE INDICATED IN CIRCLE



U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT COOS BAY DISTRICT OREGON

"EXHIBIT D"
ESTIMATE OF QUANTITIES

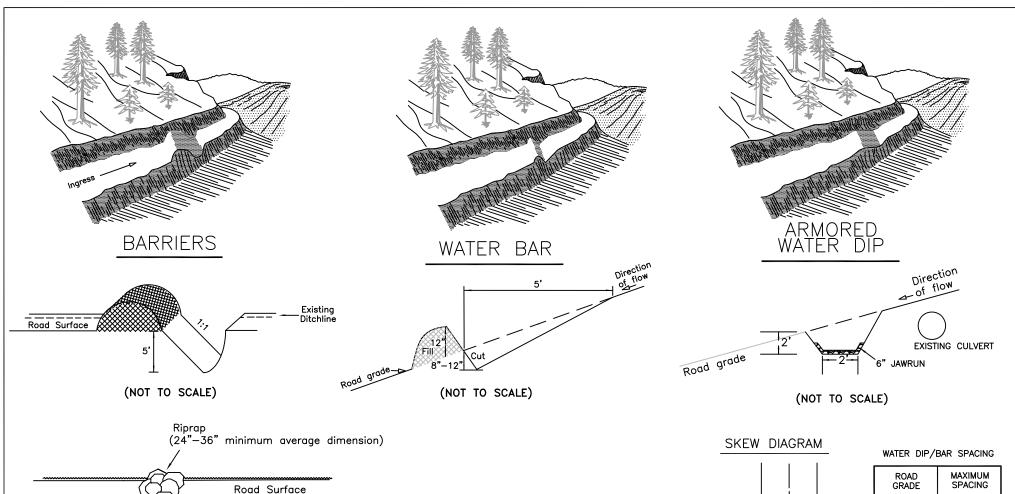
DESIGNED M. BAILEY
REVIEWED G. CLARY
APPROVED K. WESTENSKOW

 DRAWN MGB
 SCALE NONE

 DATE 06/16
 SHEET 2 OF 8

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

\*\* ROCK QUANTITES ARE TRUCK MEASUREMENT.



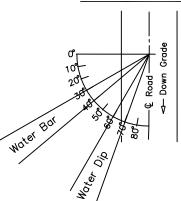
## NOTES

- 1. ALL BARRIERS, WATER BARS, AND WATER DIPS AS REQUIRED SHALL BE CONSTRUCTED AS SHOWN.
- 2. LOCATIONS WILL BE AS DIRECTED BY THE AUTHORIZED OFFICER PRIOR TO CONSTRUCTION.
- 3. ALL WATER BARS SHALL BE SKEWED 30° 40°.
- 4. ALL WATER DIPS SHALL BE SKEWED 60° 70°.
- 5. ALL WATER BARS AND WATER DIPS SHALL BE CUT INTO THE ROADBED FROM THE DITCHLINE.
- 6. DITCHLINES SHALL BE BLOCKED WITH EXCAVATED MATERIAL (DITCH DAM) DOWNGRADE FROM ALL WATER BARS AND WATER DIPS.
- 7. EXCAVATED MATERIAL FROM BARRIER TRENCH SHALL BE PLACED ON THE SIDE NEAREST THE BEGINNING OF THE ROAD.

8. OUTLETS OF WATER DIPS MUST BE ROCKED ON FILL SLOPE.

Shoulder

- 9. RIPRAP BARRIERS SHALL BE AT LEAST
  4' HIGH, 4' DEEP, AND OF SUFFICIENT
  WIDTH TO COMPLETELY BLOCK THE
  ROADWAY AND ANY ADJACENT SHOULDERS
  THAT CAN BE TRAVELED WITH A VEHICLE.
- 10. ALL BERMS INCLUDING WATER BARS, WATER DIPS, AND EARTHEN BARRIERS SHALL BE COMPACTED TO 85% OF MAXIMUM DENSITY.



<u>'</u>	
ROAD GRADE	MAXIMUM SPACING
%	FEET
3-5	200
6-10	150
11-15	100
16-20	75
21-35	50
·	

U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT COOS BAY DISTRICT OREGON

BARRIER AND EROSION CONTROL DETAIL

ALWAYS THINK SAFETY

DESIGN	ED	м.	BAILEY				_
REVIEW	ED	G.	CLARY				
APPRO\		K.	WESTENS	KOV	٧		_
DRAWN	MGB		SCALE	NC	NE		
DATE	06/16		SHEET	3	OF	8	
DRAWING	NO.						

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# **ROAD MAINTENANCE SPECIFICATIONS**

General road maintenance specifications are designated by numeric symbols according to the type of road work to be performed, as follows:

# <u>Section</u>

3000	GENERAL
3100	OPERATIONAL MAINTENANCE
3200	SEASONAL MAINTENANCE
3300	FINAL MAINTENANCE
3400	OTHER MAINTENANCE

ORC00-TS-2016.0032 Slater Gust Salvage Exhibit D Page 5 of 8

### GENERAL - 3000

- 3001 The Purchaser shall be required to maintain all roads as shown on the Exhibit D map of this contract in accordance with Sections 3000, 3100, 3200, 3300, and 3400 of this exhibit.
- The Purchaser shall maintain the cross section of existing dirt or graveled roads to the existing geometric standards. Any roads required to be constructed, improved, or renovated under terms of this contract shall be maintained to the standards required in Exhibit C of this contract.
- The minimum required maintenance on any roads shall include the provisions specified in Subsections 3101, 3104, and 3105.
- The Purchaser shall be responsible for providing timely maintenance and cleanup on any road(s) with logging units substantially completed prior to moving operations to other roads. 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.
- The Purchaser shall place 50 CY of 1 ½" crushed aggregate surfacing, conforming to the requirements in Section 1200 of Exhibit C of this contract, on the roadway at locations and in the amounts designated by the Authorized Officer.
  - This crushed aggregate shall be used to repair surface failures, and areas of depleted surface depth, excluding damages covered by Section 12 of this contract. The aggregate shall be furnished, hauled, placed, spread, and compacted by use of dump trucks, water trucks, motor patrol grader, and roller compactor.
- The Purchaser shall maintain established berms and place additional berms using adjacent material where needed to protect fills as directed by the Authorized Officer.
- 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.

ORC00-TS-2016.0032 Slater Gust Salvage Exhibit D Page 6 of 8

3104b The Purchaser shall be responsible for removal of all slides or slough, up to fifteen (15) station yards in quantity, at any one site. This work includes unlimited multiple sites on all roads required to be maintained by the Purchaser.

Prior to removal of any slough or slide material exceeding fifteen (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 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.

- 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.
- The Purchaser shall be responsible for repair and replacement of all materials eroded from road shoulders and fill slopes, up to fifteen (15) station yards in quantity, at any one site. 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 Sale 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.

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

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

- 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 performed 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.

### SEASONAL MAINTENANCE - 3200

- 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, blockage, removing ruts or other surface irregularities, and all other requirements specified in Section 3100.
- The Purchaser shall perform and complete maintenance, specified in Sections 3000, 3100, and 3200, on all roads maintained by him, prior to October 15 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.
- The Purchaser shall complete road cleanup and maintenance, as specified in Section 3100, at the completion of logging operations on any road(s) located in an area separate from the area where logging activities will resume.
- 3204 The Purchaser shall be responsible for performing post storm inspections and maintenance during the winter season to minimize erosion and potential road or watershed damage.

### FINAL MAINTENANCE - 3300

3301 The Purchaser shall complete final maintenance and/or damage repairs on all roads used under terms of their contract within 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 Section 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.

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 Subsections 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.
- 3420 The Purchaser shall perform the following work:

Road No.	Work
30-9-17.0	Place 30 CY of 1 ½" minus aggregate maintenance rock as directed by the Authorized Officer.
30-9-17.7	Place 20 CY of 1 $\frac{1}{2}$ minus aggregate maintenance rock as directed by the Authorized Officer.
Spur 1	Construct water bars from station 0+00 to station 3+70 and construct an earthen berm barrier at station 0+25 in accordance with Barrier and Erosion Control Sheet No. 3. Seed, fertilize, and mulch all scarified and disturbed areas.

Pag	e	1

			EXHIBIT D			
		ROAI	MAINTENANCE AP	PRAISAL		
Date:	6/1/2016			SALE NAME		-2016.0032
					SLATER GU	ST SALVAGE
		ROAD NUMBERS		MILES		
		30-9-17.0		1.87		
		30-9-17.7		0.16		
		Spur 1		0.07		
			momar and po			
			TOTAL MILES =	2.10		

		-APPRAISAL WOR	KSHEET-		
		-SUMMARY-			
1.	MOVE IN				\$1,415.00
2.	CULVERTS, SLOUGH,	SLUMPS, & MISC			\$861.00
3.	GRADING FOR TIMBE				\$840.00
4.	GRADING FOR AGGRE	EGATE HAUL			\$0.00
5.	MAINTENANCE ROCK				\$1,182.25
6.	NOXIOUS WEED EQUI				\$0.00
7.	DECOMMISSIONING				\$368.97
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			MAINTENANCE 7	ΓΟΤΑL:	\$4,667.22
					, ,
1.	MOVE-IN:				
1.	EQUIPMENT		MOVE-INS	COST / MOVE	= TOTAL
	EQUI MENT		MO VE ING	COST / MOVE	_ 1011E
	GRADER		1	\$356.00	\$356.00
	EXCAVATOR		0	\$680.00	\$0.00
	ROLLER		1	\$356.00	\$356.00
	BACKHOE		1	\$356.00	\$356.00
	DUMP TRUCK		0	\$185.00	\$0.00
	MULCHING EQUIPME	VT	1	\$131.00	\$131.00
	WATER TRUCK		1	\$216.00	\$216.00
	WITERTROCK		1	TOTAL =	\$1.415.00
				TOTAL -	Ψ1,+15.00
2.	CULVERT MAINT., SLO	OUGH REMOVAL. S	LUMP REPAIRS ET	T	
2.	CCE VERT MI III VII, SEV	oc off REMO TIE, B	TECHN REFINRE, ET	l .	
	MAINT. OBLIGATION		AVE. COST		= TOTAL
	2.1	MILES @	\$410.00	/ MILE =	\$861.00
	2.1.	IIIIIII C	<b>\$110.00</b>	, ,,,,,,,	4001.00
3.	GRADING FOR TIMBE	R HAUL			
		GRADINGS	X MILES	ACC. MILES	
	ALL UNITS	1.0	2.1	2.1	
	THE CIVITS	1.0	TOTAL MILES	2.1	
	2.1	MILES @	\$400.00	/ MILE =	\$840.00
	2.1		φ-του.00	, 1,11227 —	ψ0-10.00
4.	GRADING FOR AGGRE	EGATE HAUL:			
	GREEN OF TOK MOOK	MILES @	\$520.00	/ MILE =	\$0.00
			Ψ320.00	, 1,1122 -	ψ0.00

Pac	9	3

5.		MAINTENANCE F	ROCK:			
ROYALTY	\$12.50	SIZE:	3-0" (-)	SOURCE:		
BASE COSTS		0	CU. YDS. @	\$12.50	=	\$0.00
SLOW HAUL		0	CU. YDS. @	\$2.78	0.0	\$0.00
MED. HAUL		0	CU. YDS. @	\$1.39	2.5	\$0.00
FAST HAUL		0	CU. YDS. @	\$0.62	17.1	\$0.00
WATER		0	CU. YDS. @	\$0.61	1.0	\$0.00
MED. HAUL		0	CU. YDS. @	\$0.13	3.0	\$0.00
						\$0.00
ROYALTY	\$12.50	SIZE:	1 1/2" (-)	SOURCE:	Kincheloe	
BASE COSTS		50	CU. YDS. @	\$12.50	=	\$625.00
SLOW HAUL		0	CU. YDS. @	\$2.78	0.0	\$0.00
MED. HAUL		50	CU. YDS. @	\$1.39	2.1	\$145.95
FAST HAUL		50	CU. YDS. @	\$0.62	11.3	\$350.30
WATER		50	CU. YDS. @	\$0.61	2.0	\$61.00
MED. HAUL		0	CU. YDS. @	\$0.13	0.0	\$0.00
						\$1,182.25
					TOTAL =	\$1,182.25
6.		NOXIO	US WEED EQUIPMENT	WASHING		\$0.00
			(Entrance Only)			

7.	DECOMMISSIONING:			
	Spur 1			
	Soil stabilization	0.2	\$200.76	
	Water bar construction	4.0	\$92.00	
	Earthen berm barrier	1.0	\$76.21	\$368.97

Subtotal	\$368.97

# **EXHIBIT E**Road Use and Maintenance Fees

**SALE NUMBER: ORC00-TS-2016.0032** 

SALE VOLUME:	81	NET MBF

A. ROAD USE FEES - Payable to Private Company:

	AGREEMENT	ROAD	NET	USE FEE	TOTAL
COMPANY NAME	NUMBER	NUMBER	MBF	per MBF	FEES
Roseburg Resources		30-9-17.7	40	\$0.00	\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00

TOTAL USE FEE: \$0.00

# B. MAINTENANCE FEES:

1. Maintenance and Rockwear Fees Payable to the U.S. (BLM Maintained Roads):

a. Timber Haul:

Surface Type	ROAD NUMBER	NET MBF	ROAD MILES	ROCKWEAR /MBF/Mile	Subtotal	MAINT. /MBF/Mile	Subtotal	TOTAL FEES
<del>.</del> :		<u> </u>			· -		: -	
					\$0.00		\$0.00	\$0.00
					\$0.00		\$0.00	\$0.00
					\$0.00		\$0.00	\$0.00
					\$0.00		\$0.00	\$0.00
					\$0.00		\$0.00	\$0.00
				0	\$0.00		\$0.00	\$0.00

2. ROCKWEAR Fees Payable to the U.S. (OPERATOR Maintained Roads):

a. Timber Haul:

Surfac	e	NET	ROAD	ROCKWEAR	TOTAL	L
Туре	ROAD NUMBER	MBF	MILES	/MBF/Mile	FEES	,
					<u>-</u>	
rock	30-9-17.0	40	0.72	\$0.49	\$1	4.11
rock	Spur 1	41	0.07	\$0.49	\$	31.41
rock	30-9-17.0	81	1.15	\$0.49	\$4	15.64
					\$	00.08
					\$	0.00

1.94 \$61.16

3. ROAD MAINTENANCE AND/OR ROCKWEAR FEES - Payable to Private Company:

Surface Type	COMPANY NAME	AGREEMENT NUMBER	ROAD NUMBER	NET MBF	ROAD MILES	ROCKWEAR /MBF/Mile	TOTAL FEES
	Roseburg Resources		30-9-17.7	40	0.15	\$0.00	\$0.00
	i		30-9-17.7	40:	0.15	φυ.υυ	\$0.00
							\$0.00
							\$0.00
							\$0.00
					0.15		\$0.00

4. OPERATOR MAINTENANCE WILL BE REQUIRED ON APPROX. 2.10 MILES OF ROAD. (SEE EXHIBIT D)

			ROCKWEAR &		MAINTENANCE	
SUMMARY OF ROAD USE &	ROAD U	SE FEES	MAINTENANCE FEES		FEES	
ROAD MAINTENANCE FEES	TOTAL	\$/MBF	TOTAL	\$/MBF	TOTAL	\$/MBF
1. COMPANY-OWNED ROADS:	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
2. BLM MAINTAINED ROADS:			\$0.00	\$0.00	\$0.00	\$0.00
3. BLM OPERATOR-MAINTAINED ROADS:			\$61.16	\$0.76		\$0.00
	\$0.00	\$0.00	\$61.16	\$0.76	\$0.00	\$0.00

_		
	TOTAL	\$/MBF
MAINTENANCE OBLIGATION PAYABLE TO BLM:	\$61.16	\$0.76

# COOS BAY SALE NO. ORC00-TS-2016.0006 CHERRY CREEK BLOWDOWN SALVAGE

### Exhibit F

### SPECIAL PROVISIONS TO CONTROL THE SPREAD OF NOXIOUS WEEDS

# Vehicle and Equipment Cleaning

- 1. Cleaning shall consist of the removal of soil and debris by washing with a high pressure hose or steam cleaning. Cleaning and inspection sites will be agreed to by Purchaser and BLM. All petroleum product residues shall be contained at wash sites and dealt with in accordance to DEQ standards. Contractor shall provide an approved plan for the cleaning station that demonstrates that the station meets all DEQ and water quality regulations. All necessary permits shall be obtained by the contractor.
- 2. All equipment parts shall be cleaned as designated by the Authorized Officer, including removal of tractor belly plates, in accordance with Sec. 1 above.

All construction, logging and slash disposal equipment shall be cleaned prior to entering the contract area. The Authorized Officer will determine if log trucks and vehicles used for transportation of personnel shall be cleaned, based upon the location of use immediately prior to current timber sale. If the vehicles have been in a weed-infested area, they shall be washed before entering Contract Area, as shown on Exhibit A.

Bid, offer, or contract number or other identification

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

# EQUAL OPPORTUNITY IN EMPLOYMENT CERTIFICATION OF NONSEGREGATED FACILITIES

By the submission of this bid or offer and/or by entering into this contract, the bidder, offeror, lessee, subcontractor, or applicant certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. He certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location. under his control, where segregated facilities are maintained. The bidder, offeror, applicant, or subcontractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means, but is not limited to, any waiting rooms, work areas, rest rooms and wash rooms, restaurants and

other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation. and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, or national origin, because of habit, local custom, or otherwise. further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause: that he will retain such certifications in his files; and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods):

# NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENT FOR CERTIFICATIONS OF NONSEGREGATED FACILITIES

A Certification of Nonsegregated Facilities, as required by the May 9, 1967, order (32 F.R. 7439, May 19, 1967) on Elimination of Segregated Facilities, by the Secretary of Labor, must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Opportunity clause. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually).

In accordance with 41 CFR 60, as amended May 19, 1967, and Executive Order No. 11246 of September 24, 1965, as amended, this certification is applicable to all bids, offers, contracts and subcontracts as well as agreements with applicants who are themselves performing federally assisted contracts, which may exceed \$10,000 and are not exempt from the provisions of the Equal Opportunity clause of the Order.

### **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.
- 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 Resources, 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.
- 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 Contracting 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 Contracting 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 Resources 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.
- 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 dimensions 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.

(Form 5440-9, page 4)

Form 5440-9 (November 2011)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

☐ TIMBER or TIMBER AND OTHER WOOD PRODUCTS

### **DEPOSIT AND BID FOR**

□ VEGETATIVE RESOURCES (Other Than Timber)

Name of Bidder	
Tract Number	
ORC00-TS-2016.0032	
Sale Name	
Slater Gust Salvage	
· · · · · · · · · · · · · · · · · · ·	
Sale Notice (dated)	
06/23/2016	
BLM District	
Coos Bay	
,,	

☐ Sealed Bid for S	ealed Bid Sale		<del></del>	☑ Written Bid for Oral Auction Sale					
Time for opening se	aled bids	☐ a.m.	☐ p.m.	Sale commences 10:00	☑ a.m.	□ p.m.			
On (date)	Place	***		On (date) 8/26/2016	Place	Conf. Rm A			
In response to the timber/vegetative re				sit and bid are hereby su	bmitted for the p	purchase of designated			
Required bid deposit	is \$4 rder ashier's ch	50.00 neck certified	check bar	and is enclosed in the form only draft guaranteed remitta		e 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

	ORAL BID MADE					
PRODUCT SPECIES	UNIT	ESTIMATED VOLUME OR QUANITY	UNIT PRICE	TOTAL VALUE	UNIT PRICE	TOTAL VALUE
Douglas Fir	MBF	77	х	=	х	=
Grand Fir	MBF	4	х	=	х	=
			х	=	х	=
			х	=	х	=
			х	=	х	=
			х	=	х	=
			х	=	х	=
			х	=	х	=
			х	=	х	=
			х	=	х	=
			х	=	х	=
			х	=	х	=
			х	=	х	=
····			х	=	х	=
			х	=	х	=
			х	=	х	=
		TOTAL PURC	HASE PRICE			

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)	기가 가장되면 기계
(Check appropriate box, sign in	ink, and complete the following)
☐ Signature, if firm is individually owned	Name of firm (type or print)
	C.L. or B. Lor Southy Bull Jule
☐ Signatures, if firm is a partnership or L.L.C.	Business address, include zip code (type or print)
The state of the s	224
☐ Corporation organized under the state laws of	(To be completed following oral bidding)
Signature of Authorized Corporate Signing Officer	I HEREBY confirm the above oral bid By (signature)
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" or (1a) "Vegetative Resources Other Than Timber"  (2) Time bids are to be opened (3) Legal description

## **NOTICES**

The Privacy Act and 43 CFR 2.48(d) require that you be furnished with the following information in connection with the information required by this form.

AUTHORITY: 38 FR 6280 and 43 CFR 5442.1

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

**ROUTINE USES:** 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.

(Continued on page 3) (Form 5440-9, page 2)

\$60.75

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

**Timber - Sale - Summary** 

## **Legal Description**

Forest Type	Township	Range	Section	Subdivision
O&C	30 S	9 W	17	SW1/4NE1/4, W1/2SE1/4

					Cuttin	g Volume (	16' MBF)					
Unit	DF	GF							Total	Regen	Partial	ROV
1	7	7	4						81	0	10	
Totals	7	7	4	•				•	81	0	10	•
	Logging	Costs per 1	6' MBF						Profit &	Risk		
Stump to Tr Transportat Road Const Road Amor Road Maint Other Allow	tion truction rtization tenance			\$ 258.7 \$ 54.2 \$ 41.0 \$ 0.0 \$ 58.3	25 08 00		Basic Pro Back Off Avg Log Recov	Doug very Doug	8 % + Addit  Tract Fea  las-fir: 53 bf  las-fir: 95 %	ntures	0 % 0 All: 54 bf All: 94 %	%
Slash Vehic	ing pullback Disposal cle Washing Total Other Allo	wances :		\$ 4.04 \$ 1.91 \$ 12.04	99		_	_	las-fir : 100 % BF per Acre) feet)		All: 100 %	8 35 % 379
<u> </u>	iotai Other And	wances:		9 17.	<u>"</u>		Road Imp	Cable Ground	tions		0 0 11.	56 80 % 20 % 0 % .00 .00
Total Logg	ging Costs per	16' MBF		§ 43	0.47		Cruised I Date Type of O	By Cruise	Crui		Wooley, Stover, S 06/01/20 BLM1	Sill 016 100
Center #2	: Dillard, OR distance to Uti			28 N 0 N			Green (1 Salvage (		Net Vo	lume	Douglas, (	OR 0 81
	d Removal Tir Property Remo	ne			Ionths Ionths		Export V		75 ner 16' MRE\		660	0 0

Scaling Allowance (\$0.75 per 16' MBF)

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# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Coos Bay Slater Gust Salvage ORC00-TS-2016.0032

# **Stumpage Summary**

## **Stumpage Computation** (16' MBF)

Species	Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Cost	(+) Marginal Log Value	(-) Back Off	Appraised Price	Appraised Value
DF	338	77	\$ 527.55	\$ 42.20	\$ 430.47			\$ 54.90	\$ 4,227.30
GF	12	4	\$ 396.47	\$ 31.72	\$ 430.47			\$ 39.60	\$ 158.40
Totals	350	81							\$ 4,385.70

## Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir				52.0	41.0	7.0
Grand Fir				66.0	32.0	2.0

# Marginal Log Volume

Species	Grade #7	Grade #8
Douglas-fir		
Grand Fir		

**Appraised By:** Sill, Tom **Date:** 06/13/2016

Area Approval By: Wooley, Michael Date: 06/14/2016

District Approval By: Date:

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# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

# Prospectus

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

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	338	77	62	
Grand Fir	12	4	3	
Total	350	81	65	

## All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
86	350	245	15.5	85	1,573	54

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
1,573	5	1,578	4.5	81	86	94 %

# Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
81	338	239	15.5	81	1,518	53

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
1,518	0	1,518	4.5	77	81	95 %

# **Cutting Areas**

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
1		10		10
Totals :		10		10

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