

# P R O S P E C T U S

## Scale Sale

GRANTS PASS FIELD OFFICE  
Josephine MASTER UNIT

Medford Sale # ORM07-TS-2025.0013  
September 25, 2025 (SQ)

Take A Chance Timber Sale,  
Douglas & Jackson Counties, O&C

BID DEPOSIT REQUIRED: \$260,500.00

All timber designated for cutting in Lot 12 Sec. 33, Lot 9 Sec. 34, T. 32 S., R. 4 W.; Lot 1, Lot 2, Lot 3, Lot 4, S $\frac{1}{2}$ NE $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$ , SE $\frac{1}{4}$  Sec. 3, NE $\frac{1}{4}$ , NE $\frac{1}{4}$ NW $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$ , SE $\frac{1}{4}$  Sec. 9, W $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 11, NE $\frac{1}{4}$ , E $\frac{1}{2}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$ , N $\frac{1}{2}$ SE $\frac{1}{4}$ , SW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 15, T. 33 S., R. 4 W., Willamette Meridian.

Approx. Number Merch. Trees	Est. Volume MBF 32' Log	Species	Est. Volume MBF 16' Log	Appr. Price Per MBF*	Est. Volume Times Appraised Price
41,462	7,745	Douglas-fir	9,556	\$263.50	\$2,518,006.00
4,007	489	western hemlock	569	\$98.50	\$56,046.50
895	194	white fir	249	\$57.30	\$14,267.70
2,695	164	Incense-cedar	202	\$41.00+	\$8,282.00
39	7	sugar pine	8	\$40.70+	\$325.60
70	4	Ponderosa Pine	5	\$37.20+	\$186.00
49,168	8,603	<b>Totals</b>	10,589	\$0.00	\$2,597,113.80
Other Wood Products		Species	Est. Green Tons	Appr. Price Per Green Ton	Est. Tons Times Appraised Price
Biomass		All Species	2500	\$3.00	\$7,500.00
<b>Total Appraised Purchase Price</b>					<b>\$2,604,613.80</b>

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

\*Minimum Stumpage values were used to compute the Appraised Price/MBF (10% of Pond Value) Reduced Douglas fir stumpage by \$1.77/mbf or \$16,942.30. Reduced Western Hemlock stumpage by \$.40/mbf or \$225.38. Reduced White Fir stumpage by \$.05 or \$13.11. Total stumpage deduction \$17,180.79 to pay for deficit species Incense-Cedar, Sugar Pine, and Ponderosa Pine.

**TIMBER AUCTION LOCATION** – The timber auction will be held at the Medford Inter-agency Office, located at 3040 Biddle Road, Medford, Oregon, at 9 a.m. on Thursday, September 25, 2025.

**Bidders will be restricted to bidding on a unit (MBF) rate of the Douglas-fir volume. All**

**other species will be sold at appraised price per unit (MBF). The minimum bid increment will be \$0.10 per MBF.**

CRUISE INFORMATION - The Take A Chance timber sale was cruised using the PCMTRE, 3P, and BLM 100 cruise methods. Strata 1 was 198 acres dominant of Variable Retention Harvest and gaps which was cruised using PCMTRE, a 40 BAF, 1 in 10 sampling frequency, on 119 plots installed on a grid pattern. Strata 2 was 108 acres dominant of Commercial Thinning and Selection Harvest which was cruised using PCMTRE, a 40 BAF, 1 in 9 sampling frequency, on 64 plots installed on a grid pattern. Strata 3 was 42 acres of Variable Retention Harvest but had a high percentage of Hemlock. It was cruised using PCMTRE, a 40 BAF, 1 in 9 sampling frequency, 24 plots installed on a grid pattern. The 35 acres of ROW's and roadside clearing were cruised using the 3P cruise method for DF, WF, IC, PP and BLM 100 for other minor species

Approximately 0% of the 10,589 mbf sale volume is salvage material. With respect to merchantable trees of all conifer species: the average tree is 15.3 inches DBHOB; the average gross merchantable log contains 60bd. ft.; the total gross volume is approximately 11,604 M bd. ft; and 91% recovery is expected. (Average DF is 15.5 inches DBHOB; average gross merchantable log DF contains 62 bd. ft.)

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

All logs will be painted and branded at the landing and accounted for in accordance with Section 41 and 44 of the contract. Brands shall be registered with the State. Purchaser shall use assigned brand(s) exclusively on logs from this sale until the Authorized Officer releases the brand(s). **The Purchaser shall be required to label with a permanent ink marker, each load ticket with the corresponding unit number, as directed by the Authorized Officer.**

CUTTING AREA – The sale contains a total of twenty-seven units totaling three hundred eighty-three acres on BLM land. Two hundred sixteen acres must be variable regeneration harvested, one hundred thirty-two acres must be partial cut, twenty-seven acres must be treated for roadside vegetation management, and eight acres must be clear cut for road rights-of-way.

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

ACCESS - Access to the sale area is available via: a public, state, and county road system to the contract area; existing BLM roads; existing private roads under Right-of-Way and Road Use Agreement M-660 with Hancock X, Inc.; existing private roads under Right-of-Way and Road Use Agreement M-660 with Siskiyou Timberlands, LLC; and existing private roads under Right-of-Way and Road Use Agreement M-660 with System Global Timberlands, LLC.

Among other conditions, Right-of-Way and Road Use Agreement M-660 with Hancock X, Inc. requires, but is not limited to:

1. Execution and compliance with the terms and conditions identified in the license agreement between the Purchaser and Hancock X, Inc.
2. Road renovation and final road maintenance to be completed by the Purchaser.
3. Payment from the Purchaser for a rockwear fee of \$352.99, based on the estimated cruised volume to be hauled across the aggregate roads listed in the license agreement. Final rockwear fees will be calculated at \$0.85 per actual thousand board feet log scale per mile for the use of aggregate surfaced roads maintained by the Purchaser identified in the license agreement between the Purchaser and Hancock X, Inc.

Among other conditions, Right-of-Way and Road Use Agreement M-660 with Siskiyou Timberlands, LLC requires, but is not limited to:

1. Execution and compliance with the terms and conditions identified in the license agreement between the Purchaser and Siskiyou Timberlands, LLC.
2. Payment from the Purchaser for a road use obligation of \$400.00 based on the cruised volume to be hauled across the roads listed in the license agreement.
3. Road renovation and final road maintenance to be completed by the Purchaser.
4. Payment from the Purchaser for a rockwear fee of \$25.50, based on the estimated cruised volume to be hauled across the aggregate roads listed in the license agreement. Final rockwear fees will be calculated at \$0.85 per actual thousand board feet log scale per mile for the use of aggregate surfaced roads maintained by the Purchaser identified in the license agreement between the Purchaser and Siskiyou Timberlands, LLC.

Among other conditions, Right-of-Way and Road Use Agreement M-660 with System Global Timberlands, LLC requires, but is not limited to:

1. Execution and compliance with the terms and conditions identified in the license agreement between the Purchaser and System Global Timberlands, LLC.
2. Road renovation and final road maintenance to be completed by the Purchaser.
3. Payment from the Purchaser for a rockwear fee of \$0.00, based on the estimated cruised volume to be hauled across the aggregate roads listed in the license agreement. Final rockwear fees will be calculated at \$0.85 per actual thousand board feet log scale per mile for the use of aggregate surfaced roads maintained by the Purchaser identified in the license agreement between the Purchaser and System Global Timberlands, LLC.

ROAD MAINTENANCE - The Purchaser will be required to maintain 22.85 miles of existing BLM and private roads listed in Exhibit D6, which includes all permanent and temporary roads to be constructed. An allowance in the amount of \$54,138.20 has been made for the final maintenance of these roads. The Purchaser will be required to pay an estimated rockwear fee of \$56,083.80 for the use of the BLM rocked roads. The Purchaser will also be required to pay an estimated rockwear fee of \$378.50 for the use of private aggregate roads broken out under the ACCESS section. BLM will maintain the 21.45 miles of the existing BLM (BST) roads listed in Exhibit D6. The Purchaser will be required to pay an estimated maintenance fee of \$111,067.23 for the use of the BLM maintained roads.

ROAD CONSTRUCTION - The contract will require the Purchaser to construct 58.51 stations (1.11 miles) of permanent road, construct 33.87 stations (0.63 miles) of temporary road, improve 0.55 miles of permanent road, and improve 21.27 stations (0.40 miles) of temporary road. Additional information is available in the timber sale prospectus.

DECOMMISSIONING – An allowance in the amount of \$11,028.30 has been made for road decommissioning. Decommissioning work to be performed is described in Section 3500 of Exhibit D2, Decommissioning Worklist in Exhibit D4, Decommissioning Maps in Exhibit D5, and Estimate of Quantities in Exhibit D6.

SOIL DAMAGE PREVENTION Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, mechanical ground-based harvesting, ground-based yarding, skid trail and landing rehabilitation, machine piling, temporary road construction, temporary road decommissioning shall be restricted to periods of low moisture (dry conditions). Low soil moisture varies by texture and is based on site-specific considerations. Generally, low soil moisture is determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks. Low soil moisture limits will be determined by the Authorized Officer.

Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, log haul shall not be conducted on all natural surface roads that receive one-half (½) inch or more precipitation within a twenty-four (24) hour period. Haul shall not resume for a minimum of forty-eight (48) hours following any storm event, or until road surface is sufficiently dry, as approved by the Authorized Officer. The Purchaser may elect, at their own expense, to apply rock surfacing to these roads to bring them

up to wet weather haul standards, as approved by the Authorized Officer.

Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, log haul shall not be conducted on hydrologically connected rocky and/or natural surface roads 33-4-3.1, 33-4-3.7, 33-4-9.2, 33-4-10.1, 33-4-15.1, 33-4-15.17, 33-4-15.3; temporary roads TR 3-8, TR 3-11-A, TR 3-11-B, TR 9-8-A, TR 9-8-B, and TR 9-8-C; the portion of road 32-4-33.1 that is east of the junction with the 33-4-3.0 road; the portion of road 33-4-3.0 that is south of the junction with the 33-4-3.08 road; and the portion of road 33-4-15.05 that is west of the junction with the 33-4-15.14 road during conditions that would result in any of the following: surface displacement such as rutting or ripples, continuous mud splash or tire slides, fines being pumped through road surfacing from the subgrade resulting in a layer of surface sludge, as directed by the Authorized Officer.

Pursuant to Section 26 of Form 5450-004, Timber Sale Contract, the Purchaser shall, prior to October 15 of the same operating season, winterize and rehabilitate temporary roads, landings, hydrologically connected corridors and skid trails and other areas of exposed soils by properly installing and/or using water bars, berms, sediment basins, gravel pads, hay bales, small dense woody debris, seeding and/or mulching, to reduce sediment runoff and divert runoff water away from stream channels, headwalls, slide areas, high landslide hazard locations or steep erodible fill slopes as directed by the Authorized Officer.

**EQUIPMENT REQUIREMENTS** - A yarding tractor equipped with an integral arch capable of one-end log suspension and a winch for lining logs seventy-five (75) feet. A skyline yarder with a medium (34-44 foot) tower; capable of one-end log suspension with a minimum lateral yarding capability of seventy-five (75) feet while maintaining a fixed position during inhaul; capable of multi-span; and capable of an external yarding distance of one thousand one hundred-twenty (1,120) feet slope distance (yarder). A piece of equipment capable of sub-soiling to a depth of twelve (12) inches will be required for fully decommissioning any landings or skid trails within ground-based units as necessary to achieve no more than twenty (20) percent detrimental soil compaction within the unit. A piece of equipment with a self-leveling cab capable of lifting and moving cut logs or trees to roads or landings. A fire engine of three hundred (300) gallons or more capacity with five hundred (500) feet of 1½ inch hose (must be adequate length to reach two hundred (200) feet beyond active work sites), six (6) 1½ inch wyes, six (6) 1½ inch to 1 inch reducers, three (3) 1½ inch nozzles and three (3) 1 inch nozzles will be required for fire prevention and control. Each fire engine shall be equipped with a pump capable of delivering a minimum of forty (40) gallons per minute (gpm) water flow at one hundred fifty (150) pounds per square inch (psi) engine pressure through fifty (50) feet of 1½ inch fire hose. The pump may be either power take off driven or truck-mounted auxiliary engine driven, or portable.

**SLASH DISPOSAL** - Slash disposal will consist of a combination of lop and scatter; hand felling/selective slashing and yum yarding hardwoods less than or equal to twenty (20) inches DBH; mechanical felling/selective slashing hardwoods less than or equal to twenty (20) inches DBH; machine pile, cover, burn, and mop-up machine piles; hand pile, cover, burn, and mop-up hand piles; pile, cover, burn, and mop-up landing decks; and cover, burn, and mop-up roadside piles as described in SD-1, SD-2, and SD-4 of the Special Provisions. A post logging assessment shall be conducted to determine treatment needs in all units. The initial slash disposal appraisal described in SD-5 prescribed one hundred fifty-six (156) acres of lop and scatter, seventy-nine and one quarter (79.25) acres of hand felling/selective slashing and yum yarding hardwoods less than or equal to twenty (20) inches DBH, ninety-eight (98) acres of hand pile, cover, burn, and mop-up hand piles, fifty-six and three-quarter (56.75) acres of mechanical felling/selective slashing hardwoods less than or equal to twenty (20) inches DBH, seventy-one and one-quarter (71.25) acres of machine pile, cover, burn, and mop-up machine piles, thirty-five (35) acres of cover and burn roadside piles, and forty-two and three-quarter (42.75) acres of cover and burn landing decks.

**CONTRACT TERMINATION** - A Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal



species, and/or to modify or terminate the contract when necessary to comply with the Endangered Species Act, or comply with a court order, or protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Medford District Record of Decision (ROD) and Resource Management Plan (RMP). This contract provision limits the liability of the Government to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area.

BUYOUT SECURITIES - The purchaser will have the option of performing seventy-one and one-quarter (71.25) acres of machine pile burn and mop up slash disposal requirements or contributing six thousand sixty-two and 41/100 dollars (\$6,062.41) in lieu thereof. The option must be declared upon execution of the contract. The purchaser will have the option of performing ninety-eight (98) acres of hand pile burn and mop up slash disposal requirements or contributing nine thousand six hundred thirty and 34/100 dollars (\$9,630.34) in lieu thereof. The option must be declared upon execution of the contract. The purchaser will have the option of performing seventy-seven and three-quarter (77.75) acres of burn and mop up landing decks and roadside piles slash disposal requirements or contributing five thousand seven hundred seventy-six and 89/100 dollars (\$5,776.89) in lieu thereof. The option must be declared upon execution of the contract. The optional contribution must be paid in installments payable in the same manner as and together with payments required in Section 3 of the contract.

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

OTHER -

1. No extension of time beyond the normal 30 days will be granted for completing bonding and contract signing requirements.
2. A revised Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and/or to modify or terminate the contract when necessary to: (1) Comply with the Endangered Species Act or to prevent incidental take of northern spotted owls in accordance with management direction in the Record of Decision (ROD) and Resource Management Plan (RMP), or; (2) Comply with a stay or remedy issued by the Interior Board of Land Appeals or a court order, or; (3) Protect species which were identified for protection in accordance with management direction established in the ROD and RMP.
3. No harvest, yarding, or road construction operations within: units 3-8, 3.1 RW, 3-10, 3.09 RW, 9-6, 9-7, 9-9, 15-8A, 15.6 RW, 15-8B, 15-9, 15-10, 15.8 RW, 15-11; the eastern-most portion of unit 3-11 between the powerlines and Road 33-4-3.0/TR 3-11-B, including construction of temp. roads TR 3-11-A and TR 3-11-B, and the south-eastern-most portion of unit 3-11 that lies between Road 33-4-10.01, TR-3-11-B, the chinquapin stand excluded from the unit, and southern section line of section 3; and the portion of unit 9-8 where the southern unit boundary is road 33-4-15.1, as shown on Exhibit A shall be conducted between March 1 and July 15 of the same calendar year, both days inclusive. This restriction will not apply if it can be shown from northern spotted owl protocol surveys conducted in accordance with accepted standards, as approved by the Contracting Officer, that northern spotted owl nesting and/or fledging activities are not occurring during the year and/or time of harvest. This restriction may be extended if it can be shown from northern spotted owl protocol surveys that owls are nesting.
4. The Purchaser shall notify the Authorized Officer in writing by February 1 of each calendar year in which operations are expected to take place on the contract area between March 1 and September 30, both days inclusive. If notification is not received by the Authorized Officer by February 1, felling, bucking, yarding, road construction, or any other activity with the potential to disturb nesting northern spotted owls may not be allowed between March 1 and September 30, both days inclusive. Upon receipt of a

notice that the Purchaser expects to perform such operations during this time period, the Government will conduct surveys to determine whether owls have moved into harvest units. If northern spotted owls are detected in or adjacent to the units, operations would be restricted until northern spotted owl occupancy and nesting status has been determined. If it is determined owls are not nesting or that no young have been produced, the Authorized Officer may lift the seasonal restriction on such operations in writing. Without this approval, such operations are prohibited from March 1 through July 15 of each year.

5. Equipment guyline anchors and/or a yoder may be needed to yard units 3-10, 9-6, 9-8.
6. Corridors and landings may be needed outside of unit boundaries in units 3-11 and 9-8. These cable corridors and landings shall not be located in any of the stream buffers shown on Exhibit A and shall be approved by the Authorized Officer prior to use. If cable corridors cannot be avoided over streams, then they shall adhere to the requirements listed in Section 44 (L)(11)(12).
7. Skid trails and landings may be located outside of unit boundaries in units 3-9, 3-10, 3-11, 9-8, 9-9, and 15-9, as approved by the Authorized Officer.

In the southeastern polygon portion of unit 9-9, the existing skid trail stream crossings outside of unit boundaries, as shown on Exhibit A, may be used during the dry season (May 15-October 15 of the same calendar year) as approved by the Authorized Officer. Trees outside the unit boundaries and inside the stream buffer Reserve Area shall not be cut unless necessary for safe operations; if trees in the buffer need to be cut, they shall be left on-site. More logs shall be added to the running surface of the crossing, perpendicular to the stream, as needed to protect the stream banks from erosion. Following use, remove any logs added to the crossing, and waterbar, seed & mulch the utilized skid trail within fifty (50) feet of the stream.

In unit 15-9 as shown on Exhibit A, skid trails and roadside landings may be necessary outside of unit boundaries and within two hundred (200) feet of streams (the Riparian Reserve). These designated skid trails and designated landings may be used during the dry season (May 15-October 15 of the same calendar year) as approved by the Authorized Officer. Following use, waterbar, seed & mulch the utilized skid trail within fifty (50) feet of the streams. Tracked equipment shall not operate on the paved road 34-5-10.0 without prior approval of the Authorize Officer.

8. In the selective slash and yum yard hardwoods area of units 3-8, 3-10, 3-11, 9-6, 9-8, 15-10, and 15-11 shown on Exhibit S, all hardwoods between eight (8) inches diameter and twenty (20) inches diameter at the small end shall be cut, yarded, and decked at roadside landings. The purchaser may elect to remove yum yarded hardwoods as firewood or biomass, however, any yum yarded material not hauled away and left on-site shall be piled.

In the selective slash and machine pile and burn hardwood areas of units 3-8, 3-9, 3-10, 3-11, 9-8, 9-9, 15-10, and 15-11 shown on Exhibit S, all slash, including hardwoods between eight (8) inches diameter and twenty (20) inches diameter at the small end, shall be bucked to less than ten (10) feet in length and machine piled and burned within the unit boundaries concurrently with machine pile and burn slash disposal operations.

9. No mechanical ground-based harvesting, ground-based yarding, skid trail and/or landing rehabilitation, machine piling, road construction, reconstruction, and/or decommissioning, or non-emergency road maintenance shall be conducted in units 3-8, 3.1 RW, 3-9, 3-10, 3.09 RW, 3-11, 10.1 RW, 9-7, 9-8, 9-9, 15-8A, 15.6 RW, 15-9, 15-10, 15.8 RW, 15-11, 3.1 RS, 3.7 RS, 9.2 RS, 10.0 RS, 15.0 RS, 15.1 RS, 15.5 RS, 22.0 RS, and 33.1 RS

between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.

10. No haul on natural surface and rocked roads: 33-4-3.1, 33-4-3.7, 33-4-9.2, 33-4-10.1, 33-4-15.1, 33-4-15.17, 33-4-15.3; temporary roads TR 3-8, TR 3-11-A, TR 3-11-B, TR 9-8-A, TR 9-8-B, and TR 9-8-C; the portion of road 32-4-33.1 that is east of the junction with the 33-4-3.0 road; the portion of road 33-4-3.0 that is south of the junction with the 33-4-3.08 road; and the portion of road 33-4-15.05 that is west of the junction with the 33-4-15.14 road, shall be conducted on the Contract Area between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. The Purchaser may request in writing, a conditional waiver of this seasonal restriction and/or The Purchaser may elect to rock these roads at their own expense, as approved by the Authorized Officer, to bring them up to all season haul standards. If the Authorized Officer determines that hauling would not result in road damage or the transport of sediment to nearby stream channels based on soil moisture conditions or rain events, Contracting Officer may approve a conditional waiver for hauling. If soil moisture conditions or rain events are anticipated to cause impacts to roads or stream water quality resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
11. No work in the stream channel shall be conducted between September 15 of one calendar year and June 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a waiver of this restriction.
12. No non-emergency road maintenance shall be conducted from October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a waiver of this restriction.
13. A harvester, feller-processor, or feller-buncher with purpose-built carriers with boom-mounted felling heads and a boom with a minimum lateral reach of twenty (20) feet may be used in the ground-based portion of harvest units. Mechanized equipment as stated above with self-leveling cabs may be used on slopes up to fifty (50) percent un-tethered, and on slopes up to seventy (70) percent if it is attached to a tether-assist winch mechanism, as approved by the Authorized Officer.
14. In the Riparian Reserve portion of all units as shown on Exhibit E, the Purchaser shall create a total of thirty-six (36) snags via girdling. In the Late Successional Reserve portion of all units as shown on Exhibit A, the Purchaser shall create a total of twenty (20) snags via girdling. See Special Provision L-32 and Exhibit E for more details.

**NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA -**

Take I-5 to Exit 71 for Sunny Valley. Turn left onto Sunny Valley Loop. Turn right onto Placer Rd., which turns into Grave Creek Rd and then turns into the 34-5-10 Rd.

**To access units 15-9 and 10.0 RS:** Continue along the 34-5-10 Rd.

**To access units 15-8A, 15-8B, 15-10, 15-11, 15.16B RW, 15.18 RW, 15.5 RS, and 22.0 RS:** Turn right off the 34-5-10 Rd. to the 33-4-21.3 Rd. Turn right off the 33-4-21.3 Rd. to the 33-4-21.0 Rd. Unit 15-11 and Unit 22.0 RS are along the 33-4-22.0 Rd. To reach Unit 15-10, the constructed road associated with Unit 15.18 RW will be constructed off the 33-4-22.0 Rd. To

reach Unit 15.5 RS and 15-08B, turn left from the 33-4-22.0 Rd. onto the 33-4-15.5 Rd. To reach Unit 15-08A and 15.16B RW, turn left from the 33-4-15.5 Rd. onto the 33-4-15.16 Rd.

**To access units 9-6, 9-7, 9-8, 9-9, 9.2 RS, and 15.1 RS:** Turn left off the 34-5-10 Rd. to the 33-4-15.1 Rd. Unit 9-6, 9-7, portions of 9-8, 9-9, and 15.1 RS are along the 33-4-15.1 Rd. To reach Unit 9.2 RS, take a right off the 33-4-15.1 Rd to the 33-4-9.2 Rd.

**To access units 3-8, 3-9, 3-10, 3-11, 9-8, 3.09 RW, 3.1 RW, 3.7 RS, 15.0 RS, and 33.1 RS:** Turn left off the 34-5-10 Rd. to the 33-4-15.0 Rd. Unit 15.0 RS is along the 33-4-15.0 Rd. To reach Unit 3.7 RS and portions of 9-8, turn left onto the 33-4-3.7 Rd. from the 33-4-15.0 Rd. The 33-4-3.7 Rd. is blocked. To reach Unit 33.1 RS and 3-9, turn right onto the 32-4-33.1 Rd. from the 33-4-15.0 Rd. To reach Unit 3.1 RW, 3-8, 3.09 RW, portions of 3-10, and portions of 3-11 take a right onto the 33-4-3.0 Rd. from the 32-4-33.1 Rd.

**To access units 3-10, 3-11, 10.01B RW, and 3.1 RS:** Turn left off the 34-5-10 Rd. to the 33-4-3.1 Rd. Unit 3.1 RS and portions of 3-10 are along the 33-4-3.1 Rd. To reach Unit 10.01 B RW and portions of 3-11, turn right onto the 33-4-10.01 Rd. from the 33-4-3.1 Rd.

ENVIRONMENTAL ASSESSMENT - An environmental assessment (DOI-BLM-ORWA-M070-2022-0007-EA) was prepared for this sale, and a Finding of No Significant Impact has been documented. This document is available for inspection as background for this sale at the Medford District Office.

TAKE A CHANCE TIMBER SALE  
SPECIAL PROVISIONS

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

Sec. 43. TIMBER RESERVED FROM CUTTING - The following timber on the contract area is hereby reserved from cutting and removal under the terms of this contract and is retained as the property of Government.

- (A) AR-1 All timber on the Reserve Areas as shown on Exhibit A and all trees marked with a combination of orange paint, orange flagging, and/or posters which are on or mark the boundaries of the Reserve Areas.
- (B) AR-2 All timber on the Reserve Areas shown on Exhibit A and all blazed, painted, or posted trees which are on or mark the boundaries of the Reserve Areas, except approximately one thousand nine hundred thirty-seven (1,937) Douglas-fir, thirty-eight (38) ponderosa pine, three hundred fifty-nine (359) incense-cedar, and eighty-one (81) white fir trees marked for cutting heretofore by the Government with blue paint above and below stump height in units 3.1 RS, 3.7 RS, 9.2 RS, 10.0 RS, 15.0 RS, 15.1 RS, 15.5 RS, 22.0 RS, 33.1 RS as shown on Exhibit A.
- (C) AR-2 All timber on the Reserve Areas shown on Exhibit A and all blazed, painted, or posted trees which are on or mark the boundaries of the Reserve Areas, except approximately seven hundred eighty-eight (788) Douglas-fir, thirty-two (32) ponderosa pine, forty-three (43) incense-cedar, thirty-six (36) white fir, and twenty-five (25) western hemlock trees designated for cutting heretofore by the Government with the absence of orange paint above and below stump height in road construction clearing limit units 3.1 RW, 3.09 RW, 10.1 RW, 15.6 RW, and 15.8 RW as shown on Exhibit A.
- (D) IR-1 Approximately eight thousand one hundred (8,100) Douglas-fir, one hundred fifty-four (154) ponderosa pine, one hundred forty-seven (147) sugar pine, two hundred one (201) Incense-cedar, four hundred eighty-two (482) western redcedar, five hundred eighteen (518) western hemlock, seventy (70) white fir, one (1) grand fir, nineteen (19) pacific yew, and twenty-two (22) hardwood trees marked with yellow paint above and below stump height in units 3-8, 3-9, 3-10, 3-11, 9-6, 9-7, 9-8, 9-9, 15-8A, 15-8B, 15-9, 15-10, and 15-11, as on Exhibit A.
- (E) IR-1 Approximately eight (8) conifer trees marked with two (2) bands of blue paint above and below stump height in units 10.0 RS and 15.0 RS, as shown on Exhibit A. These trees shall be directionally felled toward the stream and left on-site.

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- (F) IR-6 All Pacific yew trees in the Contract Area shown on Exhibit A.
- (G) IR-13 All trees greater than thirty-six (36) inches D.B.H.O.B that were established prior to 1850 in units 3-8, 3-9, 9-6, 9-7, 15-8B, and the portion of unit 3-11 that lies north-east of roads 33-4-3.0 & TR 3-11-B as shown on Exhibit A that are cut for safety or operational purposes shall be retained on site as directed by the Authorized Officer.
- (H) IR-13 All trees greater than forty (40) inches D.B.H.O.B that were established prior to 1850 in units 3-10, 9-8, 9-9, 15-8A, 15-9, 15-10, 15-11, and the portion of unit 3-11 that lies south-west of roads 33-4-3.0/TR 3-11-B as shown on Exhibit A that are cut for safety or operational purposes shall be retained on site as directed by the Authorized Officer.
- (I) IR-13 All existing snags and coarse woody debris in all units shown on Exhibit A which do not present a safety hazard as determined by the Authorized Officer. All snags that are felled for safety reasons, and do not present a safety hazard on the ground, shall be retained on site.

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Section 44

(A) LOGGING

- (1) L-1 Before beginning operations on the contract area for the first time or after a shutdown of seven (7) or more days, the Purchaser shall notify the Authorized Officer in writing of the date they plan to begin operations. The Purchaser shall also notify the Authorized Officer in writing if he intends to cease operations for any period of seven (7) or more days.
- (2) L-2 Prior to the commencement of operations the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract, which shall include measures needed to ensure protection of the environment and watershed. A pre-work conference between the Purchaser's authorized representative and the Authorized Officer must be held at a location designated by the Authorized Officer before the logging plan will be approved. All logging shall be done in accordance with the plan.
- (3) L-4 All trees designated for cutting shall be cut so that the resulting stumps shall not be higher than twelve (12) inches measured from the ground on the uphill side of the trees unless otherwise approved by the Authorized Officer.
- (4) L-5 All conifer trees eight (8) inches or larger D.B.H.O.B., which are not reserved, shall be felled in all units shown on Exhibit A.
- (5) L-5 All hardwood trees less than or equal to twenty (20) inches D.B.H.O.B., which are not reserved, shall be felled concurrently with conifers designated for cutting in the selective slash portions of units 3-8, 3-9, 3-10, 3-11, 9-6, 9-8, 9-9, 15-10, and 15-11 (in areas with a high concentration of overstory hardwood trees) as shown on Exhibit S.
- (6) L-5 All trees and vegetation greater than twelve (12) inches in height that are within fifteen (15) of the edge of the road, which are not reserved, shall be felled in all roadside vegetation management units, 3.1 RS, 3.7 RS, 9.2 RS, 10.0 RS, 15.0 RS, 15.1 RS, 15.5 RS, 22.0 RS, 33.1 RS, as shown on Exhibit A and as described in Exhibit C.
- (7) L-8 In all units as shown on Exhibit A, all trees designated for cutting shall be felled and whole tree yarded or yarded with tops attached except when excessive stand damage occurs as determined by the Authorized Officer. If excessive stand damage

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occurs, all trees shall be bucked into log lengths not to exceed forty-one (41) feet prior to being yarded.

- (8) L-11 No trees may be felled into the stream, seep, plant sites, or other resource buffers designated on Exhibit A.
- (9) L-12 In the southeastern polygon portion of unit 9-9, the existing skid trail stream crossings outside of unit boundaries, as shown on Exhibit A, may be used during the dry season (May 15-October 15 of the same calendar year) as approved by the Authorized Officer. Trees outside the unit boundaries and inside the stream buffer Reserve Area shall not be cut unless necessary for safe operations; if trees in the buffer need to be cut, they shall be left on-site. More logs shall be added to the running surface of the crossing, perpendicular to the stream, as needed to protect the stream banks from erosion. Following use, remove any logs added to the crossing, and waterbar, seed & mulch the utilized skid trail within fifty (50) feet of the stream.
- (10) L-12 In unit 15-9 as shown on Exhibit A, skid trails and roadside landings may be necessary outside of unit boundaries and within two hundred (200) feet of streams (the Riparian Reserve). These designated skid trails and designated landings may be used during the dry season (May 15-October 15 of the same calendar year) as approved by the Authorized Officer. Following use, waterbar, seed & mulch the utilized skid trail within fifty (50) feet of the streams. **Tracked equipment shall not operate on the paved road 34-5-10.0 without prior approval of the Authorize Officer.**
- (11) L-12 In unit 10.01B RW for the construction of road 33-4-10.01, there is a plant site buffer that starts approximately one hundred (100) feet past the flagged road construction/unit boundary, as shown on Exhibit A. If the purchaser needs to extend the road, directionally fall trees away from the plant site buffer. Plants sites are designated in the field with yellow and black striped flagging.
- (12) L-12 In the units shown on Exhibit A, felling and yarding shall be done in accordance with the requirements for the designated area listed below.

Designated Area	Yarding Requirements or Limitations
<u>Roadside Vegetation Management Units (RMUs)</u>	<b>No tracked equipment shall operate on paved roads.</b>  Mechanical felling required with a single-grip felling head (a head that can hold and fully suspend the tree after



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<p>3.1 RS, 3.7 RS, 9.2 RS, 10.0 RS, 15.0 RS, 15.1 RS, 15.5 RS, 22.0 RS, 33.1 RS</p>	<p>it is cut). Only purpose-built carriers with boom-mounted felling heads may be approved. The boom must have a lateral reach of twenty (20) feet or more, and the machine's lateral reach must be utilized as much as possible. The purpose-built carrier may be of the articulated, rubber-tired design, or the zero-clearance tail swing leveling track-mounted design.</p>
<p style="text-align: center;"><u>Roadside Vegetation Management Units (RMUs) Continued</u> 3.1 RS, 3.7 RS, 9.2 RS, 10.0 RS, 15.0 RS, 15.1 RS, 15.5 RS, 22.0 RS, 33.1 RS</p>	<p>Yarding shall be done with a system which will fully suspend both ends of the log clear of the ground during inhaul.</p> <p>Landing size shall not exceed one-quarter (<math>\frac{1}{4}</math>) acre, shall be located along existing roads, and shall be approved by the Authorized Officer. No landing creation or expansion shall occur without prior approval from the Authorized Officer. Design landings with adequate drainage.</p> <p>Conifer tops and limbs, hardwoods, brush, and other cut vegetation created from the roadside vegetation management treatment shall be machine piled concurrently with felling operations and shall be treated according to the roadside vegetation management prescription found in Exhibits C7 and C20 and according to the roadside machine pile cover, burn and mop up slash disposal stipulations found in Sec. 44(E)(1)(e)(SD-1f) and Sec. 44(E)(2)(SD-2)(e &amp; f).</p> <p>All mechanized equipment shall only operate on existing road surfaces.</p> <p>Mechanized felling operations for roadside units are subject to seasonal operating restrictions as described in Sec. 44(A)(19)(L-19) of this contract.</p> <p>Eight (8) conifer trees have been marked with two (2) bands of blue paint in roadside units 10.0 RS and 15.0 RS. These trees shall be directionally felled toward the stream and left on-site as coarse woody debris.</p>

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<u>Roadside Vegetation Management Units (RMUs) Continued</u>	See Exhibits C7 and C20 in the Engineering package for more details on the roadside vegetation management requirements.
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Designated Area	Yarding Requirements or Limitations
<u>Ground Based Harvest &amp; Ground Based Yard Units</u> 3-8, 3.1 RW, 3-9, 3.10, 3.09 RW, 3- 11, 10.1 RW, 9-7, 9- 8, 9-9, 15-8A, 15.6 RW, 15-9, 15-10, 15.8 RW, 15-11	<p><b>No tracked equipment shall operate on paved roads.</b></p> <p>Mechanized harvesting operations are optional. All ground-based harvest units may be manually felled.</p> <p>The harvester, feller-processor, or feller-buncher shall be approved by the Authorized Officer prior to the start of mechanized felling operations. Only purpose-built carriers with boom-mounted felling heads may be approved. The boom must have a lateral reach of twenty (20) feet or more, and the machine's lateral reach must be utilized as much as possible. The purpose-built carrier may be of the articulated, rubber-tired design, or the zero-clearance tail swing leveling track-mounted design.</p> <p>Directional falling to lead and away from streams, seeps, wetlands, unit boundaries, and plant sites shown on Exhibit A will be required.</p> <p>The harvest equipment shall walk on existing or created slash as directed by the Authorized Officer. If Purchaser is required to create slash to walk on, then Purchaser shall not be required to whole-tree-yard.</p> <p>Non-specialized ground-based equipment (without a self-leveling cab) shall be limited to slopes of thirty-five (35) percent or less. Specialized ground-based equipment (with a self-leveling cab) shall be limited to slopes fifty (50) percent or less, unless it can operate safely and it is attached to tether-assist winch mechanism. This equipment can operate on steeper ground without tether-assist if it is operating on previously constructed skid</p>

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<p style="text-align: center;"><u>Ground Based</u> <u>Harvest &amp;</u> <u>Ground Based Yard</u> <u>Units Continued</u> 3-8, 3.1 RW, 3-9, 3.10, 3.09 RW, 3- 11, 10.1 RW, 9-7, 9- 8, 9-9, 15-8A, 15.6 RW, 15-9, 15-10, 15.8 RW, 15-11</p>	<p>trails or accessing isolated ground-based harvest areas requiring short distances over steeper pitches.</p> <p>Mechanized ground-based felling and yarding operations are subject to dry condition operating restrictions as described in Sec. 44(A)(18)(L-19), Sec. 44(A)(19)(L-19), and northern spotted owl seasonal restrictions described in Sec. 44(A)(21)(L-20) of this contract.</p> <p>Yarding tractor shall be equipped with an integral arch and yard with minimum one-end log suspension.</p> <p>Existing skid roads shall be used when possible. Skid roads shall not exceed a width of twelve (12) feet on average per unit and new skid roads shall be placed at least one hundred fifty (150) feet apart where topography will allow, unless the Purchaser proposes an alternate logging plan that limits soil compaction from skids trails to less than fifteen (15) percent over the harvest unit and is approved by the Authorized Officer.</p> <p>Designate skid trails in locations that do not channel water into waterbodies, floodplains, and wetlands, or unstable areas.</p> <p>Rehabilitate utilized skid trails within 50 feet of streams. Rehabilitate utilized skid trails, landings, and/or temporary roads as necessary to achieve no more than twenty (20) percent detrimental soil conditions in the ground-based harvest unit, as specified in Sec. 44(C)(13)(E-1).</p> <p>Block skid trails following use.</p> <p>Landing size shall not exceed one-half (½) acre, shall be located along existing and constructed roads, and/or cable-tractor swing routes within unit boundaries, and shall be approved by the Authorized Officer. Design landings with adequate drainage so that they are not hydrologically connected to draws or the ditchline of roads.</p>
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<p style="text-align: center;"><u>Ground Based Harvest &amp; Ground Based Yard Units Continued</u> 3-8, 3.1 RW, 3-9, 3.10, 3.09 RW, 3- 11, 10.1 RW, 9-7, 9- 8, 9-9, 15-8A, 15.6 RW, 15-9, 15-10, 15.8 RW, 15-11</p>	<p>Minimize disturbance to existing coarse woody debris. Where skid trails encounter large coarse woody debris, the Purchaser shall buck out a portion for equipment access.</p> <p>The use of blades while tractor yarding will be limited, equipment shall walk over as much ground litter as possible.</p> <p>Skid trails and landings may be located outside of unit boundaries in units 3-9, 3-10, 3-11, 9-8, 9-9, and 15-9, as approved by the Authorized Officer.</p> <p>See Sec. 44(A)(9)(L-12) for a complete description of the requirements for the use of the designated skid trails and designated stream crossings in unit 9-9.</p> <p>See Sec. 44(A)(10)(L-12) for a complete description of the requirements for the use of the designated skid trails and landings in unit 15-9.</p>
Designated Area	Yarding Requirements or Limitations
<p><u>Cable Yard Units</u> 3-8, 3-10, 3-11, 9-6, 9-8, 15-8A, 15-8B, 15-10, 15-11</p>	<p>Directional falling to the lead and away from streams, seeps, wetlands, and unit boundaries shown on Exhibit A will be required.</p> <p>Yarding will be done with a cable yarding system which will suspend one end of the log clear of the ground during inhaul on the yarding corridor. The cable yarding system shall be capable of yarding one thousand one hundred twenty (1,120) feet slope distance.</p> <p>Skyline equipment shall be capable of yarding in a multispan configuration.</p> <p>A carriage is required which will maintain a fixed position on the skyline during lateral yarding and has a minimum lateral yarding capability of seventy-five (75) feet.</p>

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<p><u>Cable Yard Units</u> <u>Continued</u> 3-8, 3-10, 3-11, 9-6, 9-8, 15-8A, 15-8B, 15-10, 15-11</p>	<p>Yarding corridors will be perpendicular to the contours.</p> <p>Equipment guyline anchors and/or a yoder may be needed to yard units 3-10, 9-6, 9-8, as shown on Exhibit A.</p> <p>Corridors and landings may be needed outside of unit boundaries in units 3-11 and 9-8. These cable corridors and landings shall not be located in any of the stream buffers shown on Exhibit A and shall be approved by the Authorized Officer prior to use. If cable corridors cannot be avoided over streams, then they shall adhere to the requirements below.</p> <p>Yarding over streams shall be avoided unless it is the only viable option. If yarding is needed over streams shown on Exhibit A, it shall be done with full suspension within fifty (50) feet of and over streams and shall be approved by the Authorized Officer. Any trees cut for the yarding corridor outside of unit boundaries within two hundred (200) feet of streams shown on Exhibit A shall be retained on site as coarse woody debris.</p> <p>Prior to falling any timber in the unit, all tail/lift trees and/or intermediate support trees shall be pre-designated by the Purchaser and approved by the Authorized Officer.</p> <p>Existing cable corridors shall be used whenever possible. Yarding corridors shall be approximately one hundred fifty (150) feet apart, measured at the tailholds.</p> <p>Yarding corridor widths shall not exceed six (6) feet either side of the skyline centerline.</p> <p>Cable corridors that are hydrologically connected to streams shown on Exhibit A shall be water-barred and shall have slash placed over them prior to winter rain events to protect water quality.</p>
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<u>Cable Yard Units</u> <u>Continued</u> 3-8, 3-10, 3-11, 9-6, 9-8, 15-8A, 15-8B, 15-10, 15-11	Landing size shall not exceed one-quarter ( $\frac{1}{4}$ ) acre, shall be located along existing and constructed roads within unit boundaries where possible, and shall be approved by the Authorized Officer. Design landings with adequate drainage so that they are not hydrologically connected to draws or the ditchline of roads.
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- (13) L-13 In the selective slash and yum yard hardwoods area of units 3-8, 3-10, 3-11, 9-6, 9-8, 15-10, and 15-11 shown on Exhibit S, all hardwoods between eight (8) inches diameter and twenty (20) inches diameter at the small end shall be cut, yarded, and decked at roadside landings. The purchaser may elect to remove yum yarded hardwoods as firewood or biomass, however, any yum yarded material not hauled away and left on-site shall be piled as described in Section 44(E)(1)(SD-1)(d)(SD-1f) and burned as described in Section 44(E)(2)(SD-2)(e&f).
- (14) L-13 In the selective slash and machine pile and burn hardwood areas of units 3-8, 3-9, 3-10, 3-11, 9-8, 9-9, 15-10, and 15-11 shown on Exhibit S, all slash, including hardwoods between eight (8) inches diameter and twenty (20) inches diameter at the small end, shall be bucked to less than ten (10) feet in length and machine piled and burned within the unit boundaries concurrently with machine pile and burn slash disposal operations as described in Section 44(E)(1)(SD-1)(b)(SD-1b) and Section 44(E)(2)(SD-2)(a&b).
- (15) L-14 No falling, yarding or loading is permitted in or through the streams and seeps as shown on Exhibit A, except for use of the existing skid trail stream crossing in unit 9-9 as permitted in Sec. 44(A)(9)(L-12) and Sec. 44(A)(12)(L-12)(ground based harvesting and yarding), and except for cable corridors crossing over streams if necessary as permitted in Sec. 44(A)(12)(L-12)(cable yarding).
- (16) L-19 No work in the stream channel shall be conducted between September 15 of one calendar year and June 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a waiver of this restriction.
- (17) L-19 No non-emergency road maintenance shall be conducted from October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. Purchaser may request in writing, a waiver of this restriction.
- (18) L-19 No ground-based yarding shall be conducted on the designated existing skid trail stream crossings in the southeastern polygon portion of unit 9-9, and on the designated skid trails and landings in unit 15-9 from October 15 of one calendar year and May 15 of the following calendar year, both days inclusive.

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- (19) L-19 No mechanical ground-based harvesting, ground-based yarding, skid trail and/or landing rehabilitation, machine piling, road construction, reconstruction, and/or decommissioning, or non-emergency road maintenance shall be conducted in units 3-8, 3.1 RW, 3-9, 3-10, 3.09 RW, 3-11, 10.1 RW, 9-7, 9-8, 9-9, 15-8A, 15.6 RW, 15-9, 15-10, 15.8 RW, 15-11, 3.1 RS, 3.7 RS, 9.2 RS, 10.0 RS, 15.0 RS, 15.1 RS, 15.5 RS, 22.0 RS, and 33.1 RS between October 15 of one calendar year and May 15 of the following calendar year both days inclusive. Purchaser may request in writing, a conditional waiver of this restriction. If soil moisture conditions are dry, as determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and by the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks, the Contracting Officer may approve a conditional waiver. If impacts to soil resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (20) L-19 No haul on natural surface and rocked roads: 33-4-3.1, 33-4-3.7, 33-4-9.2, 33-4-10.1, 33-4-15.1, 33-4-15.17, 33-4-15.3; temporary roads TR 3-8, TR 3-11-A, TR 3-11-B, TR 9-8-A, TR 9-8-B, and TR 9-8-C; the portion of road 32-4-33.1 that is east of the junction with the 33-4-3.0 road; the portion of road 33-4-3.0 that is south of the junction with the 33-4-3.08 road; and the portion of road 33-4-15.05 that is west of the junction with the 33-4-15.14 road, shall be conducted on the Contract Area between October 15 of one calendar year and May 15 of the following calendar year, both days inclusive. The Purchaser may request in writing, a conditional waiver of this seasonal restriction and/or The Purchaser may elect to rock these roads at their own expense, as approved by the Authorized Officer, to bring them up to all season haul standards. If the Authorized Officer determines that hauling would not result in road damage or the transport of sediment to nearby stream channels based on soil moisture conditions or rain events, Contracting Officer may approve a conditional waiver for hauling. If soil moisture conditions or rain events are anticipated to cause impacts to roads or stream water quality resulting from said conditional waiver are not acceptable as determined by the Authorized Officer, the waiver will be revoked.
- (21) L-20 No harvest, yarding, or road construction operations within: units 3-8, 3.1 RW, 3-10, 3.09 RW, 9-6, 9-7, 9-9, 15-8A, 15.6 RW, 15-8B, 15-9, 15-10, 15.8 RW, 15-11; the eastern-most portion of unit 3-11 between the powerlines and Road 33-4-3.0/TR 3-11-B, including construction of temp. roads TR 3-11-A and TR 3-11-B, and the south-eastern-most portion of unit 3-11 that lies between Road 33-4-10.01, TR-3-11-B, the chinquapin stand cut out of the unit, and southern section line of section 3; and the portion of unit 9-8 where the southern unit boundary is

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road 33-4-15.1, as shown on Exhibit A shall be conducted between March 1 and July 15 of the same calendar year, both days inclusive. This restriction will not apply if it can be shown from northern spotted owl protocol surveys conducted in accordance with accepted standards, as approved by the Contracting Officer, that northern spotted owl nesting and/or fledging activities are not occurring during the year and/or time of harvest. This restriction may be extended if it can be shown from northern spotted owl protocol surveys that owls are nesting.

- (22) L-22 During logging operations, the Purchaser shall keep the 34-5-10.0 road, where the road passes through the contract area, clear of trees, rock, dirt, and other debris so far as is practicable. The road shall not be blocked by such operations for more than thirty (30) minutes.
- (23) L-24 Before cutting and removing any trees necessary to facilitate logging in the harvest units shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, lift, intermediate support, and danger trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding with cutting the following conditions must be met:
- (a) All skid roads and/or cable yarding roads upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees, however, unless otherwise approved in writing by the Contracting Officer, the width of each skid road, and/or cable yarding road shall be limited to twelve (12) feet.
  - (b) The Purchaser may immediately cut and remove additional timber to clear skid roads and cable yarding roads; and provide tailhold, tieback, guyline, lift and intermediate support trees; and clear danger trees when the trees have been marked with pink 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



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accordance with Section 3.b. of the contract or sufficient bonding has been provided in accordance with Section 3.d. of the contract.

- (c) The Purchaser agrees that sale of this additional timber shall be accomplished by a unilateral modification of the contract executed by the Contracting Officer and that such timber shall be sold at the unit prices shown in Exhibit B of this contract unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Section 9 of the contract; or, the Authorized Officer determines that the species of trees are not listed in Exhibit B of this contract shall be appraised and sold by bilateral modification of the contract at current fair market value in accordance with Section 8 of the contract.
- (d) This authorization for the Purchaser to cut and remove additional timber prior to the execution of a modification may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser has cut and removed any tree not previously marked and approved for cutting by the Authorized Officer, which under Section 10 of the contract constitutes a violation of the contract and under Section 13 of the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.
- (e) If authorization is withdrawn, the Contracting Officer shall issue a written notice to the Purchaser that the sale of additional timber under this special provision is no longer approved. In this case, the Purchaser shall inform the Authorized Officer at least one (1) working day prior to the need for cutting and removing any additional timber, and execute a bilateral modification prior to cutting for such additional approved timber at the unit prices shown in Exhibit B of the contract or in accordance with Section 8 or Section 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Contracting Officer may issue a written order to the Purchaser to suspend, delay, or interrupt any or all contract work for the period of time deemed necessary and appropriate for the Government to safely measure and mark additional timber.
- (f) The Government may reserve trees previously designated for cutting and removal in **units 9-7, 15-8B, and 15-11 as shown on Exhibit A** by applying orange or yellow paint as replacements for additional trees cut and removed for skid roads and/or cable yarding roads when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescriptions. The

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volume of this timber to be reserved will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and the value shall be based on the unit prices shown in Exhibit B of the contract. The Purchaser agrees that the Total Purchase Price shall be reduced accordingly through a unilateral modification to the contract executed by the Contracting Officer.

- (24) L-32 In harvest units 3-8, 3-9, 3-10, 3-11, 9-6, 9-8, 9-9, 15-8B, 15-9, 15-10, and 15-11, the Purchaser shall create snags via girdling, or other method as approved by the Authorized Officer, within two hundred (200) feet of streams (the Riparian Reserve land use allocation) as shown on Exhibit E. The total number of snags to create in the Riparian Reserve (RR) per unit is as follows: 3-8 (2 snags), 3-9 (3 snags), 3-10 (4 snags), 3-11 (8 snags), 9-6 (1 snag), 9-8 (2 snags), 9-9 (4 snags), 15-8B (1 snag), 15-9 (3 snags), 15-10 (4 snags), and 15-11 (4 snags). A total of total of thirty-six (36) snags shall be created in the RR land use allocation portion of units. Of this total, one-half ( $\frac{1}{2}$ ) of the snags required in each unit shall be greater than ten (10) inches diameter at breast height outside bark and one-half ( $\frac{1}{2}$ ) of the snags required in each unit shall be greater than twenty (20) inches diameter at breast height outside bark. All snags created shall come from reserve marked trees as described in Section 43(D)(IR-1), Section 43(G)(IR-13), or Section 43(H)(IR-13) and shall be distributed in a variety of spatial patterns including aggregated groups and individual trees. No adjustments of volume or value shall be made to meet these requirements. The Purchaser shall tally all girdled trees by diameter class and species per unit. At the end of girdling operations, a completed tree tally shall be submitted to the Authorized Officer. Any species of tree available could be used to meet this requirement. The Purchaser shall not create snags in locations that may be hazardous to roads or powerlines.
- (25) L-32 In harvest units 15-8B and 15-11 the Purchaser shall create snags via girdling, or other method as approved by the Authorized Officer, within the Late-Successional Reserve (LSR) land use allocation as shown on Exhibit E. The total number of snags to create in the Late-Successional Reserve (LSR) per unit is as follows: 15-8B (18 snags), 15-11 (2 snags). A total of total of twenty (20) snags shall be created in the LSR land use allocation portion of unit. Of this total, one-half ( $\frac{1}{2}$ ) of the snags required in each unit shall be greater than ten (10) inches diameter at breast height outside bark and one-half ( $\frac{1}{2}$ ) of the snags required in each unit shall be greater than twenty (20) inches diameter at breast height outside bark. All snags created shall come from reserve marked trees as described in Section 43(D)(IR-1), Section 43(G)(IR-13), or Section 43(H)(IR-13) and shall be distributed in a variety of spatial patterns including aggregated groups and individual trees. No adjustments of volume or value shall be made to meet these

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requirements. The Purchaser shall tally all girdled trees by diameter class and species per unit. At the end of girdling operations, a completed tree tally shall be submitted to the Authorized Officer. Any species of tree available could be used to meet this requirement. The Purchaser shall not create snags in locations that may be hazardous to roads or powerlines.

(B) ROAD CONSTRUCTION, MAINTENANCE, AND USE

- (1) R-1 The Purchaser shall construct, improve, renovate, and/or decommission all roads and structures in strict accordance with the plans and specifications shown on Exhibit C and Exhibit D, which is attached hereto and made a part hereof.
- (2) R-1a Any required construction, improvement, or renovation of structures and roads shall be completed and accepted, in accordance with Section 18, prior to the removal of any timber, except right-of-way timber, over that road.
- (3) R-1b The Purchaser shall construct, use, and decommission temporary roads by October 15th of the same respective operating season. If temporary roads are used over two dry seasons, temporary roads must be winterized by October 15th.
- (4) R-1c The Purchaser shall construct and/or reconstruct Road No.'s 33-4-3.1, 33-4-3.09, 33-4-10.01 B&C, 33-4-15.16, 33-4-15.08, 33-4-15.18, and construct and/or reconstruct all temporary roads in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof. The Purchaser shall not commence any road construction work until receipt of written notice to do so from the Authorized Officer.
- (5) R-1d Prior to completion and approval of sub-grade construction from all proposed road construction, temporary road construction, and temporary road reconstruction, as shown on Exhibit C, all logs shall be removed from the designated right-of-way.
- (6) R-2 The Purchaser is authorized to use the roads listed and shown on Exhibits C & D for the removal of Government timber sold under the terms of this contract and/or the hauling of rock as required in Exhibits C, provided that the Purchaser pay the required maintenance and rockwear obligations described in Section 44(B)(8)(R2-d). Any road listed on Exhibits C & D and requiring construction, improvement, or renovation in Exhibit C of this contract, shall be maintained by the Purchaser until receiving written acceptance of the construction, improvement, or renovation from the Contracting Officer. The Purchaser shall pay current Bureau of Land Management (BLM) maintenance and rockwear fees for the sale of additional timber hauled over BLM maintained roads, as well as pay current rockwear fees for

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the sale of additional timber hauled over Purchaser maintained rocked roads under a modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type	Maintenance Responsibility
32-4-20.00 B-D2	4.04	BLM	AGG	Purchaser
32-4-33.01 A1-A2	1.50	BLM	AGG	Purchaser
33-4-03.00 A1-A2	0.56	BLM	NAT	Purchaser
33-4-03.01 A	0.83	BLM	AGG	Purchaser
33-4-03.01 B	0.14	Manulife – Hancock X	AGG	Purchaser
33-4-03.07 A	0.18	BLM	AGG	Purchaser
33-4-03.07 B	0.54	Manulife – Hancock X	AGG	Purchaser
33-4-03.07 C	0.85	BLM	AGG	Purchaser
33-4-03.08	0.05	BLM	NAT	Purchaser
33-4-03.09 (New)	0.28	BLM	AGG	Purchaser
33-4-03.10 (New)	0.13	BLM	AGG	Purchaser
33-4-09.02	0.38	BLM	AGG	Purchaser
33-4-10.01 A	0.68	Manulife – Hancock X	NAT	Purchaser
33-4-10.01 B (New)	0.23	BLM	NAT	Purchaser
33-4-10.01 C	0.25	BLM	NAT	Purchaser
33-4-15.00 A-B2	3.00	BLM	AGG	Purchaser
33-4-15.01 A-C	3.04	BLM	AGG	Purchaser
33-4-15.03 A1	0.15	BLM	AGG	Purchaser
33-4-15.05 A-B	1.95	BLM	AGG	Purchaser
33-4-15.08	0.30	BLM	AGG	Purchaser
33-4-15.14	0.13	BLM	AGG	Purchaser
33-4-15.15	0.03	BLM	AGG	Purchaser

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Road No. and Segment	Length Miles Used	Road Control	Road Surface Type	Maintenance Responsibility
33-4-15.16 A	0.15	Siskiyou Timberlands	AGG	Purchaser
33-4-15.16 B (New)	0.14	BLM	AGG	Purchaser
33-4-15.17 A	0.05	Manulife – System Global	NAT	Purchaser
33-4-15.18 (New)	0.33	BLM	AGG	Purchaser
33-4-21.00 B	0.16	BLM	AGG	Purchaser
33-4-21.03 (Bridge)	0.03	BLM	AGG	BLM
33-4-21.03	0.03	BLM	AGG	Purchaser
33-4-22.00 A1-A2	1.22	BLM	AGG	Purchaser
33-4-22.00 B	0.35	Manulife – Hancock X	AGG	Purchaser
33-4-22.00 C	0.15	BLM	AGG	Purchaser
34-4-28.00 A-B	1.39	BLM	BST	BLM
34-4-28.00 C-K	5.88	BLM	AGG	BLM
34-5-10.00 A1-C3	14.18	BLM	BST	BLM
TR 03-08	0.03	BLM	NAT	Purchaser
TR 03-11-A	0.15	BLM	NAT	Purchaser
TR 03-11-B	0.25	BLM	NAT	Purchaser
TR 09-08-A	0.07	BLM	NAT	Purchaser
TR 09-08-B	0.39	BLM	NAT	Purchaser
TR 09-08-C	0.06	BLM	NAT	Purchaser
TR 15-10	0.08	BLM	AGG	Purchaser
<b>TOTAL</b>	<b>44.30</b>			

- (7) R-2a With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users of roads included in Section

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44(B)(6)(R-2) of this contract; provided, that such cooperative arrangement shall not relieve the Purchaser of his liability for the maintenance and repair of such roads resulting from wear or damage, in accordance with this contract. The Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreements entered into with other users on these roads.

- (8) R-2d The Purchaser shall pay a road maintenance fee of \$0.82 per thousand board feet log scale per mile for the use of BST roads 34-5-10.00 A1-C3, 33-4-21.03 (Bridge), and 34-4-28.00 A-B; the Purchaser shall pay a road maintenance fee of \$0.77 per thousand board feet log scale per mile for the use of AGG road 34-4-28.00 C-K, and the Purchaser shall pay a road rockwear fee of \$0.85 per thousand board feet log scale per mile for the use of all rocked roads maintained by the Bureau of Land Management and the Purchaser within the sale area. **The Purchaser will be required to label, with a permanent marker, each load ticket with the corresponding unit number as directed by the Authorized Officer.** The total maintenance fee due shall be based upon volumes determined pursuant to Exhibit B of this contract and mileage of roads used as determined by the Authorized Officer. Prior to the use of such roads, the Purchaser shall give written notice to the Authorized Officer of the roads intended for use in the removal of timber purchased under this contract, together with an estimate of the volume to be hauled over such roads. The Authorized Officer shall establish an installment schedule of payment of the maintenance obligation. If it is determined by the Authorized Officer, after all merchantable timber has been cut and scaled, that the total maintenance payments made under this contract exceed the total maintenance and rockwear payment due, such excess shall be returned to the Purchaser after such determination is made.
- (9) R-2e The Contracting Officer may at any time, by written notice, terminate the Purchaser's operator road maintenance obligations and require instead payment of current Bureau of Land Management road maintenance and rockwear fees for the particular surface type of the roads involved. These fees will be applied to the remaining contract volume on the sale area, as determined by the Authorized Officer, to be transported over the roads listed in Section 44(B)(6)(R-2). If the total road maintenance and rockwear fee does not exceed five hundred and no/100 dollars (\$500.00), the Purchaser shall pay such amount in full prior to use of such roads. If the total road maintenance and rockwear fee exceeds five hundred and no/100 dollars (\$500.00), the Authorized Officer shall establish an installment schedule of payments of the maintenance and rockwear obligation(s).
- (10) R-2f The Purchaser shall perform any required road repair and maintenance work on roads identified as Purchaser maintenance, under the terms of Exhibit D, Road

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Maintenance Specifications, of this contract, which is attached hereto and made a part hereof.

- (11) R-3 In the use of Road No. 33-4-15.16 A, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-660, between the United States of America and Siskiyou Timberlands, LLC. This document is available for inspection at the Medford District Office.

These conditions include:

- (a) Execution and compliance with the terms and conditions identified in the License Agreement between the Purchaser and Siskiyou Timberlands, LLC.
- (b) Payment of a road use obligation of four hundred and 00/100 dollars (\$400.00) to Siskiyou Timberlands, LLC, payable at the time indicated in the License Agreement.
- (c) Payment of a rockwear fee obligation of twenty-five and 50/100 dollars (\$25.50) to Siskiyou Timberlands, LLC, for the estimated volume to be hauled, payable at the time indicated in the License Agreement. For any additional timber, the Purchaser shall also pay a rockwear fee of \$0.85 per thousand board feet log scale per mile for the use of all aggregate surfaced roads indicated in the License Agreement.
- (d) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.
- (e) Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use 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.

- (12) R-3 In the use of Road No. 33-4-15.17 A, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-660, between the United States of America and System Global Timberlands, LLC. This document is available for inspection at the Medford District Office.

These conditions include:

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- (a) Execution and compliance with the terms and conditions identified in the License Agreement between the Purchaser and System Global Timberlands, LLC.
  - (b) Payment of a rockwear fee obligation of zero and 00/100 dollars (\$0.00) to System Global Timberlands, LLC, for the estimated volume to be hauled, payable at the time indicated in the License Agreement. For any additional timber, the Purchaser shall also pay a rockwear fee of \$0.85 per thousand board feet log scale per mile for the use of all aggregate surfaced roads indicated in the License Agreement.
  - (c) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.
  - (d) Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use 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.
- (13) R-3 In the use of Road No's. 33-4-03.01 B, 33-4-03.07 B, 33-4-10.01 A, and 33-4-22.00 B, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. M-660, between the United States of America and Hancock X, Inc. This document is available for inspection at the Medford District Office.

These conditions include:

- (a) Execution and compliance with the terms and conditions identified in the License Agreement between the Purchaser and Hancock X, Inc.
- (b) Payment of a rockwear fee obligation of three hundred fifty-two and 99/100 dollars (\$352.99) to Hancock X, Inc, for the estimated volume to be hauled, payable at the time indicated in the License Agreement. For any additional timber, the Purchaser shall also pay a rockwear fee of \$0.85 per thousand board feet log scale per mile for the use of all aggregate surfaced roads indicated in the License Agreement.
- (c) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.



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- (d) Default by the Purchaser of said Right-of-Way and Road Use Agreement, or any License Agreement executed pursuant thereto, for failure to pay appropriate road use 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.
- (14) R-3c The Purchaser agrees that if they elect to use any other private road, which is the subject of a right-of-way agreement with the Government for the removal of Government timber sold under the terms of this contract, the Purchaser shall request and agree to the modification of this contract to provide for such use and for allowances for amortization of the Government's share of the capital investment of any such road.
- (15) R-4 The Purchaser shall be required to secure written approval to use vehicles or haul forest products and equipment over Government owned or controlled roads when such vehicles or equipment exceeds the maximum allowable weights or dimensions established by the State for vehicles operating without a permit or if vehicles meet allowable non-permitted State vehicle weights, but the haul route crosses a structure or segment of road that is posted for reduced weights. The Purchaser agrees to abide by any special requirements included in said written approval.

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

Details shall include:

- A. Axle weights when fully loaded.
- B. Axle spacing.
- C. Transverse wheel spacing.
- D. Tire size.
- E. Outside width of vehicle.
- F. Operating speed.
- G. Frequency of use.
- H. Special features (e.g., running tracks, overhang loads, etc.).

The Purchaser shall be responsible for repair of any damage to roads or structures caused by the use of overweight or over-dimension vehicles or equipment: (1) without written approval; (2) in violation of the conditions of a written approval; or (3) in a negligent manner.

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The amount of actual damage shall be determined by the Authorized Officer following a technical inspection and evaluation.

- (16) **R-5 Tracked type equipment shall not be allowed to cross over concrete bridge decks, other concrete surfaced structures or asphalt surfaced roads without the proper protection of that surface.** Prior approval shall be obtained from the Authorized Officer when crossing with protective devices.

The Purchaser shall be responsible for repair of any damage to roads or structures caused by the use tracked vehicles or equipment: (1) without written approval; (2) in violation of the conditions of a written approval; or (3) in a negligent manner.

The amount of actual damage shall be determined by the Authorized Officer following a technical inspection and evaluation.

(C) ENVIRONMENTAL PROTECTION

- (1) E-1 In addition to the requirements set forth in Sec. 26 of this contract, the Purchaser shall restrict non-road, in unit, ground-based equipment used for harvesting, yarding, machine piling, and rehabilitation operations (including temporary roads and landings) to periods of low soil moisture (dry conditions). Low soil moisture varies by texture and is based on site-specific considerations. Generally, low soil moisture is determined by the inability of a soil sample taken at four (4) to six (6) inches to maintain form when compressed and the inability of soil moisture at the surface to be readily displaced, causing ribbons and ruts along equipment tracks. Low soil moisture limits will be determined by the Authorized Officer. Ground-based equipment shall be allowed to operate when the ground is frozen or adequate snow exists to prevent soil compaction and displacement, as determined by the Authorized Officer.
- (2) E-1 In addition to the requirements set forth in Sec. 26 of this contract, the Purchaser shall not haul on hydrologically connected natural surface or rocked roads: 33-4-3.1, 33-4-3.7, 33-4-9.2, 33-4-10.1, 33-4-15.1, 33-4-15.17, 33-4-15.3; temporary roads TR 3-8, TR 3-11-A, TR 3-11-B, TR 9-8-A, TR 9-8-B, and TR 9-8-C; the portion of road 32-4-33.1 that is east of the junction with the 33-4-3.0 road; the portion of road 33-4-3.0 that is south of the junction with the 33-4-3.08 road; and the portion of road 33-4-15.05 that is west of the junction with the 33-4-15.14 road during conditions that would result in any of the following: surface displacement such as rutting or ribbons, continuous mud splash or tire slide, fines

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being pumped through road surfacing from the subgrade resulting in a layer of surface sludge, as directed by the Authorized Officer.

- (3) E-1 In addition to the requirements set forth in Sec. 26 of this contract, the Purchaser shall not haul on all natural surface roads that receive one-half (½) inch or more precipitation within a twenty-four (24) hour period. Haul shall not resume for a minimum of forty-eight (48) hours following any storm event, or until road surface is sufficiently dry, as approved by the Authorized Officer. The Purchaser may elect, at their own expense, to apply rock surfacing to these roads to bring them up to wet weather haul standards, as approved by the Authorized Officer.
- (4) E-1 In addition to the requirement set forth in Section 26 of this contract, the Purchaser shall implement the following noxious weed control measures:
- (a) In order to prevent the potential spread of noxious weeds into the Medford District BLM, the operator would be required to clean all logging, construction, chipping, grinding, shredding, rock crushing, and transportation equipment prior to entry on BLM lands.
  - (b) Cleaning shall be defined as removal of dirt, grease, plant parts, and material that may carry noxious weed seeds into BLM lands. Cleaning prior to entry onto BLM lands may be accomplished by using a pressure hose.
  - (c) Only equipment inspected by the BLM would be allowed to operate within the Analysis Area. All subsequent move-ins of equipment as described above shall be treated the same as the initial move-in.
  - (d) Prior to initial move-in of any equipment, and all subsequent move-ins, the operator shall make the equipment available for BLM inspection at an agreed upon location off Federal lands.
  - (e) Equipment would be visually inspected by the Authorized Officer to verify that the equipment has been reasonably cleaned.
  - (f) If work occurs in an area known to contain priority non-native invasive plants, equipment shall be cleaned before moving to another project area at a site designated by the Authorized Officer.
  - (g) Equipment and vehicles will avoid working within flagged non-native invasive plant sites, flagged with orange flagging labeled in black letters “NOXIOUS WEEDS”, as directed by the Authorized Officer.

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- (5) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall only use certified weed-free straw and native seed species approved by the Authorized Officer for rehabilitation activities. Straw must be obtained from the BLM or purchased from growers certified by the Oregon Department of Agriculture's Weed Free Forage and Mulch Program. Seeding shall occur from September 1 to March 31 of the following year. All seeding shall be contingent upon seed availability.
- (6) E-1 In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall implement the following noxious weed control measures:

Upon decommissioning and prior to fall rains, the Purchaser shall scarify landings (outside of the driving surface), temporary roads provide for adequate drainage, and utilized skid trails within two hundred (200) feet of streams and waterbodies as shown on Exhibit A, then stabilize and revegetate all bare soil with certified weed free straw mulch and a native seed mixture approved by the Authorized Officer. Landings on roads and rocky areas that lack soil for seed germination need not be scarified, seeded or mulched, as determined by the Authorized Officer. The BLM may provide the seed mixture and straw mulch if the purchaser is unable to locate and buy the approved materials from a commercial source. The Purchaser shall reimburse the government for the cost of seed and straw, if provided by the government. The Purchaser shall furnish the specific seed mixture prescribed by the Authorized Officer, which will include up to 3 grasses and 2 forbs from the following list, but may include substitutions approved by the Authorized Officer:

Grasses: *Achnatherum lemmonii*, *Bromus carinatus*, *Brumus vulgaris*, *Elymus glaucus*, *Festuca californica*, *Festuca roemerii*, *Koeleria macrantha*, *Poa secunda*, *Vulpia microstachys*

Forbs: *Achillea millefolium*, *Clarkia purpurea*, *Clarkia homboidea*, *Collinsia grandiflora*, *Eriophyllum lanatum*, *Lupinus bicolor*, *Madia elegans*, *Madia gracilis*

The proportion of each species in the mixture shall be prescribed by the Authorized Officer. The Purchaser shall apply prescribed seed and straw mulch to acres designated for treatment, as directed by the Authorized Officer, at the following rates of application:

Grass seed	20 to 25 lbs/acre (cumulative, all species)
Forb seed	0.5 to 2 lbs/acre (cumulative, all species)
Straw mulch	1000 lbs/acre

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The Purchaser shall apply seed and straw mulch between September 1 of one calendar year and March 31 of the following year. Deviations from that timing must be approved by the Authorized Officer. The Purchaser shall notify the Authorized Officer at least 5 days in advance of the date that he/she intends to commence revegetation and soil stabilization work.

If the Purchaser furnishes seed from any source other than the BLM, that seed shall meet the following minimum test standards:

<u>Test</u>	<u>Grasses (%)</u>	<u>Forbs (%)</u>
Purity:	95	80
Germination:	85	70
Other species/weed content (max):	0.2	0.2
Noxious weed content:	Prohibited	Prohibited

Furnished seed shall meet the minimum requirements for either Yellow Tag Source Identified Seed or Blue Tag Certified Class Seed, as defined by the Association of Official Seed Certifying Agencies. Seed source shall be approved by the Authorized Officer and shall be from the EPA Level III Ecoregion in which the project occurs. For each lot of seed, the Purchaser shall furnish the Authorized Officer a Seed Test result from a certified seed testing lab (e.g., Oregon State University), which shall include: test date; lot number; seed source; and results of test for purity, germination, and weed content. All seed lots must have been tested within the previous 12 months to be accepted. Seed that has become wet, moldy, or otherwise damaged shall not be accepted. Seed must be available to the Authorized Officer for inspection at least 5 days in advance of commencing revegetation work. If the Purchaser furnishes straw mulch from any source other than the BLM, the material must be from native grass or other approved sterile grain crops that are certified weed free and free of mold or other objectionable materials. Straw mulch shall be in an air-dry condition and suitable for spreading in a uniform manner. Straw mulch must be available to the Authorized Officer for inspection at least 5 days in advance of commencing revegetation work.

- (7) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall prepare a Spill Prevention, Control, and Countermeasure Plan (SPCC) for all hazardous substances to be used in the contract area, as directed by the Authorized Officer. Such plan shall include identification of Purchaser's representatives responsible for supervising initial containment action for releases and subsequent cleanup. Such plans must comply with the State of Oregon DEQ OAR 340-142, Oil and Hazardous Materials Emergency Response Requirements. All operators shall have a Spill Containment Kit (SCK) as described in the SPCC plan on-site during any operation with potential for run-off to adjacent waterbodies. The SCK shall be

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appropriate in size and type for the oil or hazardous material carried by the Purchaser.

- (8) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall not refuel equipment, store, or cause to have stored, any fuel or other petroleum products within one hundred fifty (150) feet of all riparian management or wet areas. All Petroleum products shall be stored in durable containers and located so that any accidental releases will be contained and not drain into any stream system. Hydraulic fluid and fuel lines on heavy mechanized equipment would be in proper working condition in order to minimize potential for leakage into streams. Absorbent materials shall be onsite to allow for immediate containment of any accidental spills. Spilled fuel and oil shall be cleaned up and disposed of at an approved disposal site.
- (9) E-1 In addition to the requirements set forth in Sec. 26 of this contract, the Purchaser shall prevent the delivery of chemical retardant foam or additives to waterbodies, and wetlands. Ignition devices/materials shall be stored and disposed of at least one hundred fifty (150) feet away from streams and wetlands.
- (10) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall not locate new landings in areas that contribute eroded fines to streams, wet areas, dry draws and swales. If these landing locations cannot be avoided, ensure that properly installed sediment control measures are placed and maintained, as needed, to keep eroded material onsite.
- (11) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall ensure that silt fencing or other sediment control measures are properly placed and maintained during use and periods of non-use when utilizing landings or temp roads that have the potential to release eroded fines into a stream or wet area, directly or via draws or ditchlines. Any project-related activity would be suspended if conditions develop that cause a potential for sediment laden runoff to enter a wetland, floodplain or waters of the state. Operations can resume when sediment control devices are in place and conditions allow turbidity standards to be met.
- (12) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall, prior to October 15 of the same operating season, winterize and rehabilitate temporary roads, landings, hydrologically connected corridors and skidtrails and other areas of exposed soils by properly installing and/or using water bars, berms, sediment basins, gravel pads, hay bales, small dense woody debris, seeding and/or mulching, to reduce sediment runoff and divert runoff water away from stream

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channels, headwalls, slide areas, high landslide hazard locations or steep erodible fill slopes as directed by the Authorized Officer. Block temporary roads and skidtrails.

- (13) E-1 In addition to the requirement set forth in Section 26 of this contract, the Purchaser shall decommission: all ground based skid trails utilized within two hundred (200) feet of streams and waterbodies as shown on Exhibit A; and ground based skid trails, and landings outside of the road prism, within ground-based yarding areas **as needed to achieve no more than twenty (20) percent detrimental soil compaction within the unit**, as directed by the Authorized Officer, by one of the following methods:
- (a) If the Authorized Officer deems subsoiling will not cause unacceptable damage to the root systems of residual trees the Purchaser shall discontinuously subsoil, simultaneously water bar, seed, mulch, and barricade. Subsoil to a depth of twelve (12) inches, and no further than thirty-six (36) inches apart. If the Authorized Officer deems subsoiling to this depth will cause an unacceptable amount of damage to the root system of residual trees, the Purchaser shall scarify to a depth of up to six (6) inches and simultaneously water bar, seed, mulch, and barricade.
  - (b) All rehabilitation shall occur within eighteen (18) months of harvest, during dry conditions, and after pile burning is complete.
  - (c) The Purchaser shall simultaneously water bar, seed, mulch, and barricade all temporary roads and tractor-swing routes.
- (14) E-1 In addition to the requirement set forth in Sec. 26 of this contract, the Purchaser shall place material removed during excavation in locations where it cannot enter streams or other water bodies.
- (15) E-2 The water bars to be constructed as required by Sec. 26(c) shall be constructed in accordance with the spacing described in the table below and to the specifications shown on Exhibits C-12 and D-7 which is attached hereto and made a part hereof.

Gradient (Percent)	Water bar Spacing
2-5%	200 feet
6-10%	150 feet
11-15%	100 feet

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<b>Gradient (Percent)</b>	<b>Water bar Spacing</b>
16-20%	75 feet
21-35%	50 feet
36+%	50 feet

- (16) E-3 The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:
- (a) threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is made that consultation or reinitiation of consultation is required concerning the species prior to continuing operation, or;
  - (b) when, in order to comply with the Endangered Species Act, or to prevent incidental take of northern spotted owls in accordance with management direction in the Record of Decision (ROD) and Resource Management Plan (RMP), the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
  - (c) Federal proposed, Federal candidate, Bureau sensitive or State listed species protected under BLM Manual 6840 - Special Status Species Management - have been identified, and a determination is made that continued operations would affect the species or its habitat, or;
  - (d) 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;
  - (e) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
  - (f) when, in order to comply with a stay or other remedy issued by the Interior Board of Land Appeals (IBLA) the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
  - (g) species have been discovered which were identified for protection in accordance with management direction established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or;



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- (h) when, in order to protect species which were identified for protection in accordance with management direction established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

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

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

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

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the unamortized Out-of-Pocket Expenses for road or other construction required pursuant to Exhibit C of the contract

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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, court-ordered injunctions, or an IBLA issued stay or remedy, 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 modify the contract or terminate the cutting and removal rights under the contract in order to comply with the Endangered Species Act, prevent incidental take of northern spotted owls in accordance with the ROD and RMP, protect species that have been discovered which were identified for protection in accordance with management direction established in the ROD and RMP, or comply with a court order or an IBLA issued stay or remedy. 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, if able to proceed without causing incidental take of northern spotted owls in accordance with the ROD and RMP, if consistent with species protection in accordance with management direction established in the ROD and RMP, or if consistent with a court order or an IBLA issued stay or remedy.

In the event the contract is modified or 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

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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.

- (17) E-5 The Purchaser shall notify the Authorized Officer in writing by February 1 of each calendar year in which operations are expected to take place on the contract area between March 1 and September 30, both days inclusive. If notification is not received by the Authorized Officer by February 1, felling, bucking, yarding, road construction, or any other activity with the potential to disturb nesting northern spotted owls may not be allowed during this time period.

Upon receipt of a notice that the Purchaser expects to perform such operations during this time period, the Government will conduct surveys to determine whether owls are nesting within 0.25 miles of the harvest units. If it is determined owls are not nesting or that no young have been produced, the Authorized Officer may lift the seasonal restriction on such operations in writing. Without this approval, such operations are prohibited from March 1 through July 15 of each year.

(D) FIRE PREVENTION

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

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- (a) At least three (3) days prior to the operation of power-driven equipment during any operations under this contract during the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the Authorized Officer and the State of Oregon Department of Forestry.
- (b) Provide and maintain on the contract area in good working order, and immediately available, the following equipment for use during closed fire season or periods of fire danger:
  - 1. F-2a Firefighting tools shall be kept at each landing or at such other place as the Authorized Officer shall designate whenever employees are working on the contract area. All firefighting tools shall be kept in a sturdily constructed box which shall be painted red and lettered on the front or top in large letters, "For Fire Only." The box shall have a hinged lid and a hasp by which the lid can be sealed. One box may serve two landings not over six hundred (600) feet apart. When filled, the box shall not weigh over two hundred (200) pounds. The fire tools shall be in good condition, be tight on strong handles, and have sharp cutting edges. There shall be not less than four (4) tools in each box nor less than one (1) tool for each employee working on the contract area. Three-fourths (3/4) of all fire tools shall be shovels, hazel hoes, or other scraping tools. The fire tools shall be used only for fighting fire.
  - 2. F-2b At each landing or such other place as the Authorized Officer shall designate during periods of operation one (1) tank truck of three hundred (300) gallons or more capacity with a minimum of five hundred (500) feet of 1½ inch hose (must be adequate length to reach 200 feet beyond active work sites), six (6) 1½ inch wyes, six (6) 1½ inch to 1 inch reducers, three (3) 1½ inch nozzles and three (3) 1 inch nozzles. One (1) three hundred (300) gallon fire engine may be substituted for each required 300-gallon tank truck, provided that the total capability to pump and deliver water remains unchanged. Each fire engine / tank truck shall be equipped with a pump capable of delivering a minimum of forty (40) gallons per minute (gpm) water flow at one hundred fifty (150) pounds per square inch (psi) engine pressure through fifty (50) feet of 1½ inch fire hose. The pump may be either power take off driven or truck-mounted auxiliary engine driven, or portable. All equipment shall be acceptable to and approved by the Authorized Officer and shall

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conform to the standards set forth in Oregon Revised Statutes 477.645 through 477.670. All hose couplings shall have the standard thread adopted by the BLM (1 ½ inches National Hose Thread (NH), 1-inch National Pipe Straight Hose Thread (NPSH) or be provided with suitable adapters. At the close of each working day, all bulldozers and fire/tank trucks shall be filled with fuel and made ready for immediate use. All fire/tank trucks shall be filled with water and made available for immediate use.

3. F-2c Serviceable cell phone or radio equipment able to provide prompt and reliable communication between the contract area, Medford BLM District Office, Oregon Department of Forestry, and Douglas Forest Protective Association. Such communication shall be available during periods of operation including the time watchman service is required.
4. F-2d A pair of headlights capable of being quickly attached to each bulldozer used on the contract area. The headlights shall be adequate to provide illumination sufficient to allow use of the bulldozers for firefighting and construction of fire lines at night.
5. F-2f A headlamp for each employee in the woods crew adequate to provide sufficient illumination for night firefighting. A headlight shall be of the type that can be fastened to the head so as to allow independent use of the hands. At least one extra set of batteries shall be provided for each such headlight.
6. F-2f Two (2) back-pack pumps at each landing and one (1) at each tail block, all to be kept full of water and in good operating condition.
7. F-2g A chemical fire extinguisher of at least eight (8) ounces minimum capacity of a type approved by the Authorized Officer and a size 0 or larger shovel shall be carried during the closed fire season or periods of fire danger by each falling crew and each buckner using a power saw on the contract area. Such fire extinguisher shall be filled and in effective operating condition and shall at all times be immediately available to the operator when the saw is being fueled or the motor of the saw is running. Any fueling of a power saw shall be done in an area which has first been cleared of all flammable material. Power saws shall be moved at least twenty (20) feet from

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the place of fueling before the engine is started. Each power saw shall be equipped with an exhaust system and a spark arresting device which are of types approved by the Authorized Officer.

- (c) F-5 Where blocks and cables are used on the contract area during periods of fire danger, the Purchaser shall remove all flammable material at least ten (10) feet from the place where the tail or any other block will hang when the cable is tight. Such clearings shall be inspected periodically by the Purchaser and shall be kept free of flammable material.
- (3) F-9 During Oregon Department of Forestry/Douglas Forest Protective Association regulated use closure, no smoking shall be permitted outside of closed vehicles.

(E) SLASH DISPOSAL

- (1) SD-1 Fire Hazard Reduction. In addition to the requirements of Sec. 15 of this contract, and notwithstanding the Purchaser's satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following hazard reduction measures required by this contract:
  - (a) SD-1a Lop and scatter all slash in units 9-6, 9-7, 15-8B; lop and scatter all slash in units 3-8, 3-9, 3-10, 3-11, 9-8, 9-9, 15-10, and 15-11 that is outside of the pile and burn areas as shown on Exhibit S. All top and side branches must be free of the central stem so that such stem is reduced to the extent that it is within eighteen (18) inches of the ground at all points. Slash includes all woody material (brush, limbs, tops, unmerchantable stems, or chunks) severed, uprooted, or broken from live plants as a result of Purchaser's operations under the terms of this contract. Lop and scatter shall be completed in accordance with Exhibit S as directed by the Authorized Officer.
    - 1. All slash shall be arranged in a discontinuous pattern across the forest floor.
    - 2. All slash shall be loped to no more than eight (8) feet in length.
  - (b) SD-1b Machine pile, cover, and burn all slash in units 3.1 RW, 3.09 RW, 10.1 RW, 15.6 RW, 15.8 RW, 3.1 RS, 3.7 RS, 9.2 RS, 10.0 RS, 15.0 RS,

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15.1 RS, 15.5 RS, 22.0 RS, and 33.1 RS; machine pile, cover, and burn all slash the ground-based portions of units 3-8 and 15-9; machine pile, cover, and burn all slash in the portion of units 3-9 and 15-10 with a high concentration of hardwoods; machine pile, cover, and burn all slash in the ground-based portion of unit 3-10 that is within one hundred (100) feet of the unit boundary along the powerlines; machine pile, cover, and burn all slash in the ground-based portion of unit 3-11 that has a high concentration of hardwoods, and the ground-based portion of unit 3-11 that is within two hundred (200) feet of road 33-4-3.0, and the ground-based portion of unit 3-11 within two hundred (200) feet of the unit boundary along the powerlines, and the ground-based portion of unit 3-11 within two hundred (200) feet of the unit boundary along the south section line of section 3; machine pile, cover, and burn all slash in the ground-based portion of unit 9-8 with a high concentration of hardwoods below road 33-4-3.7 and in the ground-based portion of unit 9-8 two hundred (200) feet above and below temp road TR 9-8-B; machine pile, cover, and burn all slash in the ground-based portion of unit 9-9 with a high concentration of hardwoods and machine pile, cover, and burn all slash in the ground-based portion of unit 9-9 that is within two hundred (200) feet of the unit boundary along the south and east section lines of section 9; and machine pile, cover, and burn all slash in the ground-based portion of unit 15-11 with a VRH prescription and a high concentration of hardwoods as shown on Exhibit S. Slash shall be piled by machine. Piling shall be completed in accordance with Exhibit S as directed by the Authorized Officer. Finished piles shall be tight and free of earth.

1. The BLM will prepare a fire burn plan. Smoke clearance shall be obtained by the BLM the day prior to planned ignition for all burn units.
2. Slash includes all woody material (brush, limbs, tops, unmerchantable stems, or chunks) severed, uprooted, or broken from live plants as a result of Purchaser's operations under the terms of this contract. In the selective slash-machine pile & burn areas as shown on Exhibit S, hardwoods less than or equal to twenty (20) inches diameter shall be felled, cut into lengths less than ten (10) feet, and shall be machine piled. In the areas that do not call for selective slashing, do not pile pieces of slash with a diameter greater than twelve (12) inches.
3. All equipment shall be approved by the Authorized Officer. Piling shall be accomplished using a track mounted hydraulic excavator or equivalent with at least a five (5) tooth brush rake. The excavator shall

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have a minimum reach of twenty (20) feet. The excavator shall be equipped with a hydraulic thumb or rotating controllable grapple head. Finished piles shall be tight and free of dirt and other non-woody debris.

4. Piles shall be less than sixteen (16) feet in height and width.
  5. Machine piling operations are limited to slopes less than thirty five (35) percent slope and to seasonal restrictions as described in Sec. 44(A)(18)(L-19), Sec. 44(A)(19)(L-19), Sec. 44(A)(20)(L-20), and dry conditions as described in Sec. 44(C)(1)(E-1). All areas that are identified in Exhibit A as ground-based yarding that cannot be machine piled shall be hand piled.
  6. Machine piles shall be constructed as compactly as possible. There should be an adequate supply of fine fuels located within and under the covered area of the pile to ensure ignition of the larger fuels. Completed piles shall be free of projecting limbs or slash which would interfere with adequate covering of the piles.
  7. Machine piles shall be adequately covered with a cap of **at least ten (10) feet by ten (10) feet** of four (4) mil polyethylene sheeting. The polyethylene sheeting shall be held in place with woody debris or tied with rope or twine to ensure coverage. Coverage shall be completed when piles are constructed, or as directed by the Authorized Officer.
  8. Machine piles shall not be placed within fifteen (15) feet of snags, stumps, reserve trees or large woody debris.
  9. Machine piles will be burned in the fall to spring season after one (1) or more inches of precipitation have occurred.
  10. The Purchaser is required to furnish the fuel and equipment for machine pile burning.
- (c) SD-1c Hand pile, cover, and burn all slash situated in the cable portion of unit 3-8 that is within two hundred (200) feet of the unit boundary along the powerlines; hand pile, cover, and burn all slash situated in the cable portion of unit 3-10 that is within one hundred (100) feet of the unit boundary along the powerlines; hand pile, cover, and burn all slash situated in the cable portion of unit 3-11 that is within two hundred (200) feet of the unit boundary along the powerlines and the cable portion of unit 3-11 that is



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within two hundred (200) feet of road 33-4-3.0 and the portion of unit 3-11 that is within two hundred (200) of the unit boundary along the south section line of section 3; hand pile, cover, and burn all slash situated in the cable portion of unit 9-8 that is two hundred (200) feet above road 33-4-15.1, and the cable portion of unit 9-8 that is within two hundred (200) feet of the unit boundary along ridge, and the cable portion of unit 9-8 that is one hundred (100) feet below temp. road TR 9-8-B, and the cable portion of unit 9-8 that is within two hundred (200) feet of the unit boundary along the north section line of section 9; and hand pile, cover, and burn all slash situated in the thin prescription portion of unit 15-11 as shown on Exhibit S. Slash shall be piled by hand. Finished piles shall be tight and free of earth.

1. The BLM will prepare a fire burn plan. Smoke clearance shall be obtained by the BLM the day prior to planned ignition for all burn units.
  2. Slash includes woody material (brush, limbs, tops, unmerchantable stems, or chunks severed, uprooted, or broken from live plants as a result of Purchaser's operations under the terms of this contract.
  3. Hand pile all slash which is between one (1) and six (6) inches in diameter on the large end and exceeds two (2) feet in length, or as directed by the Authorized Officer.
  4. Hand piles shall be covered with a large enough piece of four (4) mil polyethylene sheeting to ensure a dry ignition spot, generally five (5) feet by five (5) feet or large enough to cover eighty (80) percent of the pile.
  5. Hand piles shall not be placed adjacent to or within ten (10) feet of leave trees or large woody debris.
  6. Hand piles shall not be located on roadways, turnouts, shoulders, or cut banks, unless authorized by the Authorized Officer.
- (d) SD-1f Within twenty (20) feet of the edge of each landing pile, all tops, broken pieces, limbs and debris more than one (1) inch in diameter at the large end and longer than two (2) feet in length shall be piled within fourteen (14) days of completion of hauling logs from that landing. Landing piles shall be kept free of dirt and located off of the driving surface of roads and at least fifteen feet (15) from any Reserve Tree and/or as directed by the Authorized Officer.

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Upon completion of landing piling, the Purchaser shall remove flammable material around each landing pile down to bare mineral soil to prevent escaped fire. Landing piles shall be less than sixteen (16) feet in height and width. Cover piles with large enough piece of four (4) mil polyethylene sheeting to ensure a dry ignition spot, **at least ten (10) foot by ten (10) foot**. The Purchaser is required to furnish the covering materials. The timing of this covering work shall be in accordance with instructions from the Authorized Officer. If the structure of the landing piles will not permit adequate consumption of piled debris by burning, the Purchaser shall re-pile them at the direction of the Authorized Officer.

1. The BLM will prepare a fire burn plan. Smoke clearance shall be obtained by the BLM the day prior to planned ignition for all burn units.
  2. Landing piles will be burned in the fall to spring season after one (1) or more inches of precipitation have occurred.
  3. Landing piles will be burned within twenty-four (24) months of harvest completion.
  4. If purchaser elects to set aside pole/firewood decks and not put the material in landing piles, the purchaser will be required to remove decks before the expiration of cutting rights. Material will be hauled off site for processing. The Authorized Officer will determine location of pole/hardwood decks.
- (e) SD-1f. Cover and burn all roadside piles in units 3.1 RS, 3.7 RS, 9.2 RS, 10.0 RS, 15.0 RS, 15.1 RS, 15.5 RS, 22.0 RS, and 33.1 RS and landing piles in all units as shown on Exhibit S. Within twenty (20) feet of the edge of each pile, all tops, broken pieces, limbs and debris more than one (1) inch in diameter at the large end and longer than two (2) feet in length shall be piled within fourteen (14) days of completion of hauling logs from that landing. Roadside and Landing piles shall be kept free of dirt and located off of the driving surface of roads and at least fifteen feet (15) from any Reserve Tree and/or as directed by the Authorized Officer.

Upon completion of piling, the Purchaser shall remove flammable material around each roadside and/or landing pile down to bare mineral soil to prevent escaped fire. Roadside and Landing piles shall be less than sixteen (16) feet in height and width. Cover piles with large enough piece of four

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(4) mil polyethylene sheeting to ensure a dry ignition spot, **at least ten (10) foot by ten (10) foot**. The Purchaser is required to furnish the covering materials. The timing of this covering work shall be in accordance with instructions from the Authorized Officer. If the structure of the landing piles will not permit adequate consumption of piled debris by burning, the Purchaser shall re-pile them at the direction of the Authorized Officer.

1. The BLM will prepare a fire burn plan. Smoke clearance shall be obtained by the BLM the day prior to planned ignition for all burn units.
2. Roadside piles will be burned in the fall to spring season after one (1) or more inches of precipitation have occurred.
3. Roadside piles will be burned within twenty-four (24) months of harvest completion.

- (2) SD-2 Notwithstanding the provisions of Sec. 15 of this contract, the Government shall assume all obligations for disposal or reduction of fire hazards created by Purchaser's operations on Government lands, except for burning and mop up assistance as required herein, and measures required in Sections 44(E)(1)(SD-1) and 44(E)(2)(SD-2). In accordance with written instruction to be issued by the Authorized Officer at least ten (10) days in advance of earliest date of required performance, the Purchaser shall, under supervision of the Authorized Officer or his designated representative, assist in preparing units for burning, mop-up, and patrol by furnishing, at his own expense, the services of personnel and equipment on each unit as shown below.

All crews shall arrive on the project area with radios capable of inter-crew communications and communication with a BLM representative at a ratio of one (1) radio per every five (5) crew members.

- (a) For igniting and burning machine piles in units 3-8, 3-9, 3-11, 9-8, 9-9, 15-9, 15-10, and 15-11 as shown on Exhibit S:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.
2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, drip torches,

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shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.

3. One (1) Wildland Fire Engine Boss.
4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.
5. Six (6) drip torches.
6. Hand ignition with drip torches is required in machine pile units.
7. All ignition personnel will be directly supervised by a BLM representative.

(b) For mop-up of machine piles in units 3-8, 3-9, 3-11, 9-8, 9-9, 15-9, 15-10, and 15-11 as shown on Exhibit S:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.
2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with shovels, pulaskis, or scraping tool, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
3. One (1) Wildland Fire Engine Boss.
4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each

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engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

(c) For igniting and burning hand piles in units 3-8, 3-10, 3-11, 9-8, and 15-11 as shown on Exhibit S:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.
2. One (1) crew with ten (10) members per crew, including a designated crew foreman. Each crew shall be equipped with fuel, drip torches, shovels, pulaskis, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
3. One (1) Wildland Fire Engine Boss.
4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzles acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.
5. Ten (10) drip torches.
6. Hand ignition with drip torches is required in pile burn units.
7. All ignition personnel will be directly supervised by a BLM representative.

(d) For mop-up of hand piles in units 3-8, 3-10, 3-11, 9-8, and 15-11 as shown on Exhibit S:

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1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.
2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with shovels, pulaskis, or scraping tool, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
3. One (1) Wildland Fire Engine Boss.
4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

(e) For igniting and burning landing and roadside piles:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.
2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with shovels, pulaskis, or scraping tool, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
3. One (1) Wildland Fire Engine Boss.
4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzles acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group

TAKE A CHANCE TIMBER SALE  
SPECIAL PROVISIONS

(NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

(f) For mop-up of landing and roadside piles:

1. One (1) person to supervise crew and equipment operators who is Burn Boss Qualified at the complexity level of the burn, and to serve as Purchaser's representative.
2. One (1) crew with six (6) members per crew, including a designated crew foreman. Each crew shall be equipped with shovels, pulaskis, or scraping tool, one (1) power saw and one (1) backpack pump; one (1) tool for each crew member.
3. One (1) Wildland Fire Engine Boss.
4. One (1) Wildland Fire Engine. Each engine shall have three hundred (300) gallons or more capacity with one thousand (1,000) feet of one and one half (1½) inch hose and nozzle(s) acceptable to the Authorized Officer. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended. Each engine shall be equipped with a mounted pump conforming to the standards set forth in the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System requirements. Engine and tank shall be in good working order and shall be filled with water.

Aircraft and pilots used for Logging Residue Reduction or the suppression of escaped fires from Logging Residue Reduction operations, shall be acquired from a list of aircraft and pilots approved (i.e., carded for these specific activities) by the Office of Aircraft Services or the U.S. Forest Service. This list is available from BLM District Offices upon request.

All listed personnel shall be physically fit, experienced and fully capable of functioning as required. All personnel shall arrive at the project area(s) with the following personal safety equipment: long sleeve natural fabric shirt, full length natural fabric trousers, minimum eight (8)-inch top leather boots, hardhat, and leather gloves. All personnel shall wear long pants and long sleeve shirts, lug-soled leather boots with minimum eight (8)-inch tall uppers that provide ankle support, approved hardhat, and leather gloves. On the day of ignition, clothing shall be of approved aramid fabric, Nomex™ or equivalent, and all personnel shall carry an approved fire shelter. Clothing shall be free of diesel fuel oil.

TAKE A CHANCE TIMBER SALE  
SPECIAL PROVISIONS

All listed tools and equipment shall be in good usable condition. All power-driven equipment shall be fully fueled and available for immediate use. During periods of use under this subsection, the Purchaser shall provide fuel and maintenance for all such power- driven equipment.

Except as provided hereafter for fire escapement, the Purchaser shall continue the required assistance in mop up on each hand/machine piled unit and landing decks, four hundred fifty (450) hours as directed by the Authorized Officer within 10 days beginning 8:00 a.m. the day following completion of ignition in that unit or until released from such services by the Authorized Officer, whichever occurs first.

In the event of a fire escapement, Purchaser's personnel and equipment shall, under supervision of the Authorized Officer, take action to suppress, including control and mop-up, the escaped fire until released from such service by the Government. If it becomes necessary to suppress a fire which escapes from the prescribed fire area for a period beyond midnight of ignition day, then the Government shall, at its option:

- (a) reimburse Purchaser for such additional use of personnel and equipment at wage rates shown in the current Administratively Determined Pay Rates for Western Area and at equipment rates shown in current Oregon-Washington Interagency Fire Fighting Equipment Rental Rates schedule, until the Purchaser is released from such service by the Government, or
- (b) release the Purchaser from additional suppression work and assume responsibility for suppressing the escaped fire.

In situations where an escaped fire is controlled and contained by an adequate fire break (e.g., trail, road, stream, rock formation), the Government may permit the Purchaser to remove personnel for that day; provided that, all mop up work on the escaped fire area is included with mop up work on the prescribed fire area. In such an event, the Purchaser must sign a statement of agreement to complete mop up work on all escaped fire areas concurrently with mop up work on the prescribed fire area.

In case of injury to personnel or damage to equipment furnished by the Purchaser as required by this subsection, liability shall be borne by the Purchaser, unless such injury or damage is caused by Government negligence.



TAKE A CHANCE TIMBER SALE  
SPECIAL PROVISIONS

Time is of the essence in complying with this provision. In the event the Purchaser fails to provide personnel and equipment required herein, the Purchaser shall be responsible for all additional costs incurred by the Government in disposing of slash, including but not limited to the wages and other costs of providing federal employees and others as substitute labor force, the cost of providing substitute equipment, and appropriate additional overhead expenses. If the Purchaser's failure results in deferral of burning and new conditions necessitate additional site preparation work and/or use of additional personnel and equipment to accomplish planned burning, the Purchaser also shall be responsible for such additional costs.

- (3) SD-4 Logging Residue Reduction. In addition to the requirements of Secs. 15 and 25 of this contract, and notwithstanding the Purchaser's satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's willingness to release Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following logging residue reduction and site preparation measures required by this contract:
- (a) L-5 All hardwood trees less than or equal to twenty (20) inches D.B.H.O.B., which are not reserved, shall be felled concurrently with conifers designated for cutting in the selective slash portions of units 3-8, 3-9, 3-10, 3-11, 9-6, 9-8, 9-9, 15-10, and 15-11 (in areas with a high concentration of overstory hardwood trees) as shown on Exhibit S.
  - (b) L-13 In the selective slash and yum yard hardwoods area of units 3-8, 3-10, 3-11, 9-6, 9-8, 15-10, and 15-11 shown on Exhibit S, all hardwoods between eight (8) inches diameter and twenty (20) inches diameter at the small end shall be cut, yarded, and decked at roadside landings. The purchaser may elect to remove yum yarded hardwoods as firewood or biomass, however, any yum yarded material not hauled away and left on-site shall be piled as described in Section 44(E)(1)(SD-1)(d)(SD-1f) and burned as described in Section 44(E)(2)(SD-2)(e&f).
  - (c) L-13 In the selective slash and machine pile and burn hardwood areas of units 3-8, 3-9, 3-10, 3-11, 9-8, 9-9, 15-10, and 15-11 shown on Exhibit S, all slash, including hardwoods between eight (8) inches diameter and twenty (20) inches diameter at the small end, shall be bucked to less than ten (10) feet in length and machine piled and burned within the unit boundaries concurrently with machine pile and burn slash disposal operations as described in Section 44(E)(1)(SD-1)(b)(SD-1b) and Section 44(E)(2)(SD-2)(a&b).

TAKE A CHANCE TIMBER SALE  
SPECIAL PROVISIONS

Time is of the essence in complying with this provision. In the event the Purchaser fails to provide personnel and equipment required herein, the Purchaser shall be responsible for all additional costs incurred by the Government in disposing of slash, including but not limited to the wages and other costs of providing federal employees and others as substitute labor force, the cost of providing substitute equipment, and appropriate additional overhead expenses. If the Purchaser's failure results in deferral of burning and new conditions necessitate additional site preparation work and/or use of additional personnel and equipment to accomplish planned burning, the Purchaser also shall be responsible for such additional costs.

- (4) SD-5 The Purchaser shall perform logging residue reduction and site preparation work on approximately four hundred three (403) acres of harvest area located in all units as shown on Exhibit S. (The total slash treatment acres are greater than timber sale treatment acres due to the large number of landings outside of unit boundaries/within road prisms.)
- (a) The required work shall consist of any treatment or combination of treatments listed in the table below, as determined by the Authorized Officer and specified in writing by the Contracting Officer. The number of acres of each treatment shall be determined by the Authorized Officer.

Treatment	Treatment Description	Cost/Acre
Lop and Scatter	0-12 tons/acre	\$52.00
Selective Slashing (Hand Felling) Hardwoods $\leq$ 20" DBH	Cost per acre	\$300.00
Hand Pile and Cover	0-25 piles/acre	\$599.00
Hand Pile Burn and Mop-up	0-25 piles/acre	\$82.00
Mechanical Felling / Selective Slashing Hardwoods $\leq$ 20" DBH	Cost per acre	\$147.99
Machine Pile and Cover	Cost per acre	\$605.00
Machine Pile Burn and Mop-up	0-20 piles/acre	\$71.00
Cover and Burn Landing Decks	Cost per acre	\$62.00
Cover and Burn Roadside Piles	Cost per acre	\$62.00

TAKE A CHANCE TIMBER SALE  
SPECIAL PROVISIONS

**\*\*Seventy-nine and one quarter (79.25) acres of Yum Yarding of Hardwoods in Cable Yard Areas as shown on Exhibit S are required as described in Sec. 44(E)(3)(SD-4). The cost of this work was included in the timber appraisal\*\***

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

Appraised Treatment	Acres	Cost/Acre	Total Cost Per Treatment
Lop and Scatter	156.00	\$52.00	\$8,112.00
Hand Felling / Selective Slashing Hardwoods ≤ 20" DBH	79.25	\$300.00	\$23,775.00
Hand Pile and Cover	98.00	\$599.00	\$58,702.00
Hand Pile Burn and Mop-up	98.00	\$82.00	\$8,036.00
Mechanical Felling / Selective Slashing Hardwoods ≤ 20" DBH	56.75	\$147.99	\$8398.43
Machine Pile and Cover	71.25	\$605.00	\$43,106.25
Machine Pile Burn and Mop-up	71.25	\$71.00	\$5,058.75
Cover and Burn Landing Decks	42.75	\$62.00	\$2,650.50
Cover and Burn Roadside Piles	35.00	\$62.00	\$2,170.00
<b>Total Appraised Cost</b>	<b>403.00</b>		<b>\$160,008.93</b>

- (c) The Total Purchase Price set forth in Section 2 shall be adjusted in a unilateral modification executed by the Contracting Officer by the amount that the total cost of the site preparation treatments designated pursuant to Section 44(E)(4)(SD-5)(a) differs from one hundred sixty thousand eight and 93/100 dollars (\$160,008.93), as calculated by using the estimated acres determined by the Authorized Officer and the per acre costs listed in Section 44(E)(4)(SD-5)(a).
- (d) Selective slashing and yum yarding of hardwoods shall be done in accordance with Section 44(3)(SD-4)(a&b); Selective slashing and machine piling of hardwoods shall be done in accordance with Section 44(3)(SD-

TAKE A CHANCE TIMBER SALE  
SPECIAL PROVISIONS

4(a&c); Lop and scatter shall be done in accordance with Section 44(E)(1)(SD-1)(a)(SD-1a); Machine piling shall be done in accordance with Section 44(E)(1)(SD-1)(b)(SD-1b); Hand piling shall be done in accordance with Section 44(E)(1)(SD-1)(c)(SD-1c).

(F) BUYOUT SECURITIES

- (1) B-1 The Purchaser shall perform machine pile burning and mop up in accordance with Section 44(E)(2)(SD-2)(a&b). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a buyout security deposit to the Bureau of Land Management in the amount of six thousand sixty-two and 41/100 dollars (\$6,062.41), and upon making such deposit, the Purchaser shall be relieved of the obligations set out in these subsections. The Purchaser shall notify the Authorized Officer of their intention to make this deposit prior to the date of execution of this contract, and the Authorized Officer shall establish a required schedule of payments.
- (2) B-1 The Purchaser shall perform hand pile burning and mop up in accordance with Section 44(E)(2)(SD-2)(c&d). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a buyout security deposit to the Bureau of Land Management in the amount of nine thousand six hundred thirty and 34/100 dollars (\$9,630.34), and upon making such deposit, the Purchaser shall be relieved of the obligations set out in these subsections. The Purchaser shall notify the Authorized Officer of their intention to make this deposit prior to the date of execution of this contract, and the Authorized Officer shall establish a required schedule of payments.
- (3) B-1 The Purchaser shall perform landing and roadside pile cover, burning, and mop up in accordance with Section 44(E)(2)(SD-2)(e&f). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a buyout security deposit to the Bureau of Land Management in the amount of five thousand seven hundred seventy-six and 89/100 dollars (\$5,776.89), and upon making such deposit, the Purchaser shall be relieved of the obligations set out in these subsections. The Purchaser shall notify the Authorized Officer of their intention to make this deposit prior to the date of execution of this contract, and the Authorized Officer shall establish a required schedule of payments.

(G) LOG EXPORTS

- (1) LE-1 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

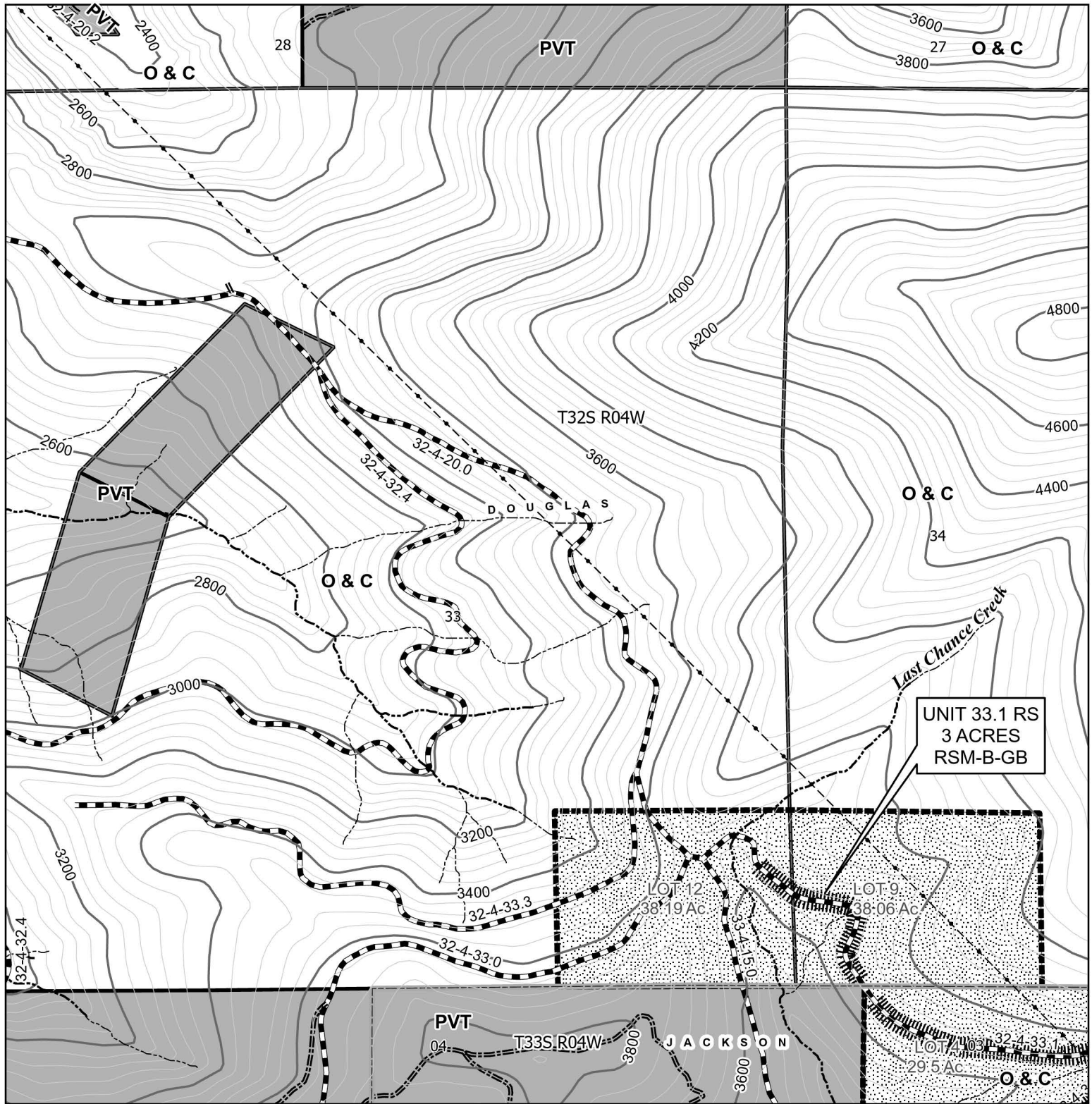
TAKE A CHANCE TIMBER SALE  
SPECIAL PROVISIONS

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

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

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

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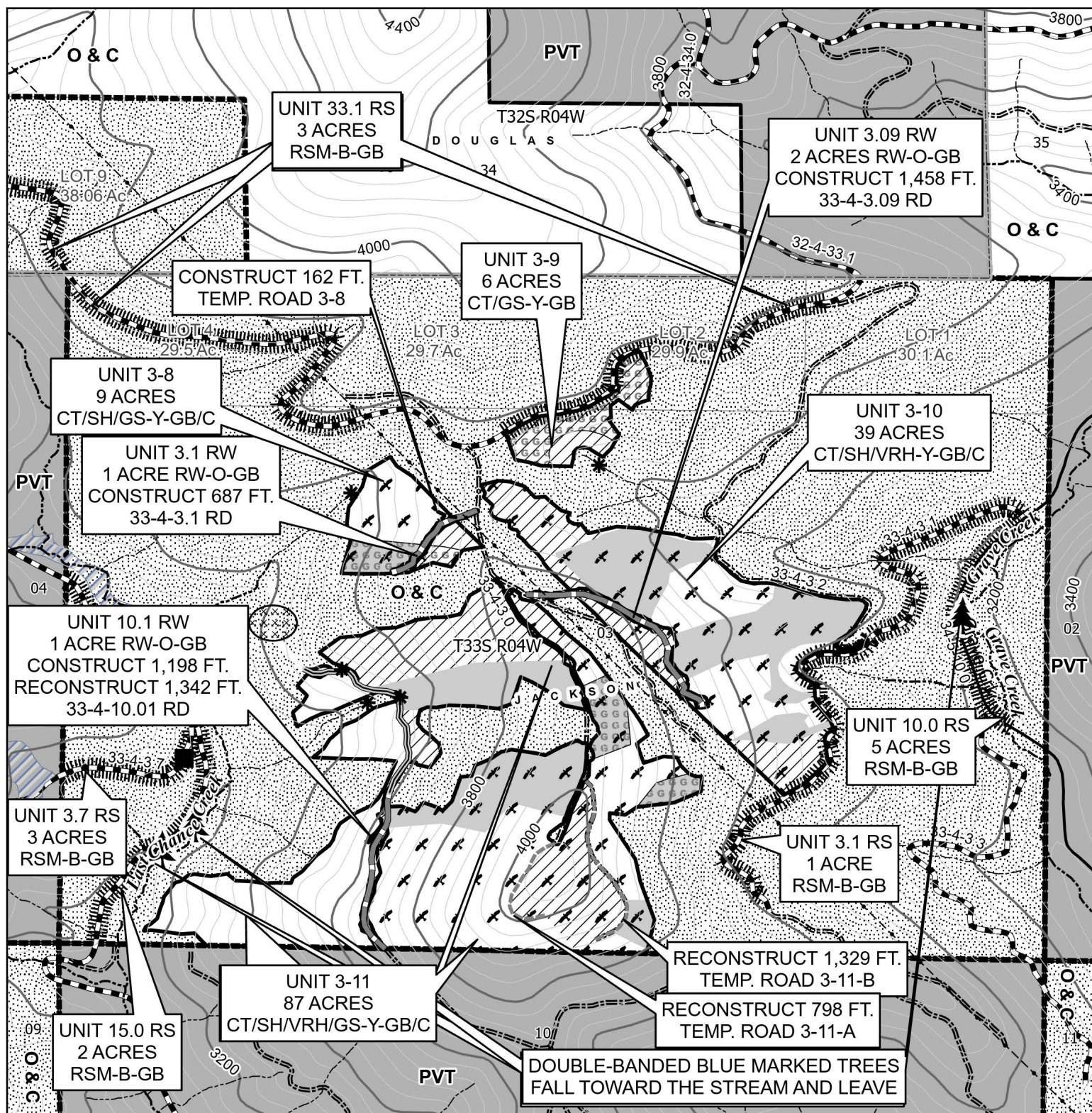
United States Department of the Interior  
Bureau of Land Management  
Medford District Office  
3040 Biddle Road  
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(541) 618-2200

40 FOOT CONTOUR INTERVAL



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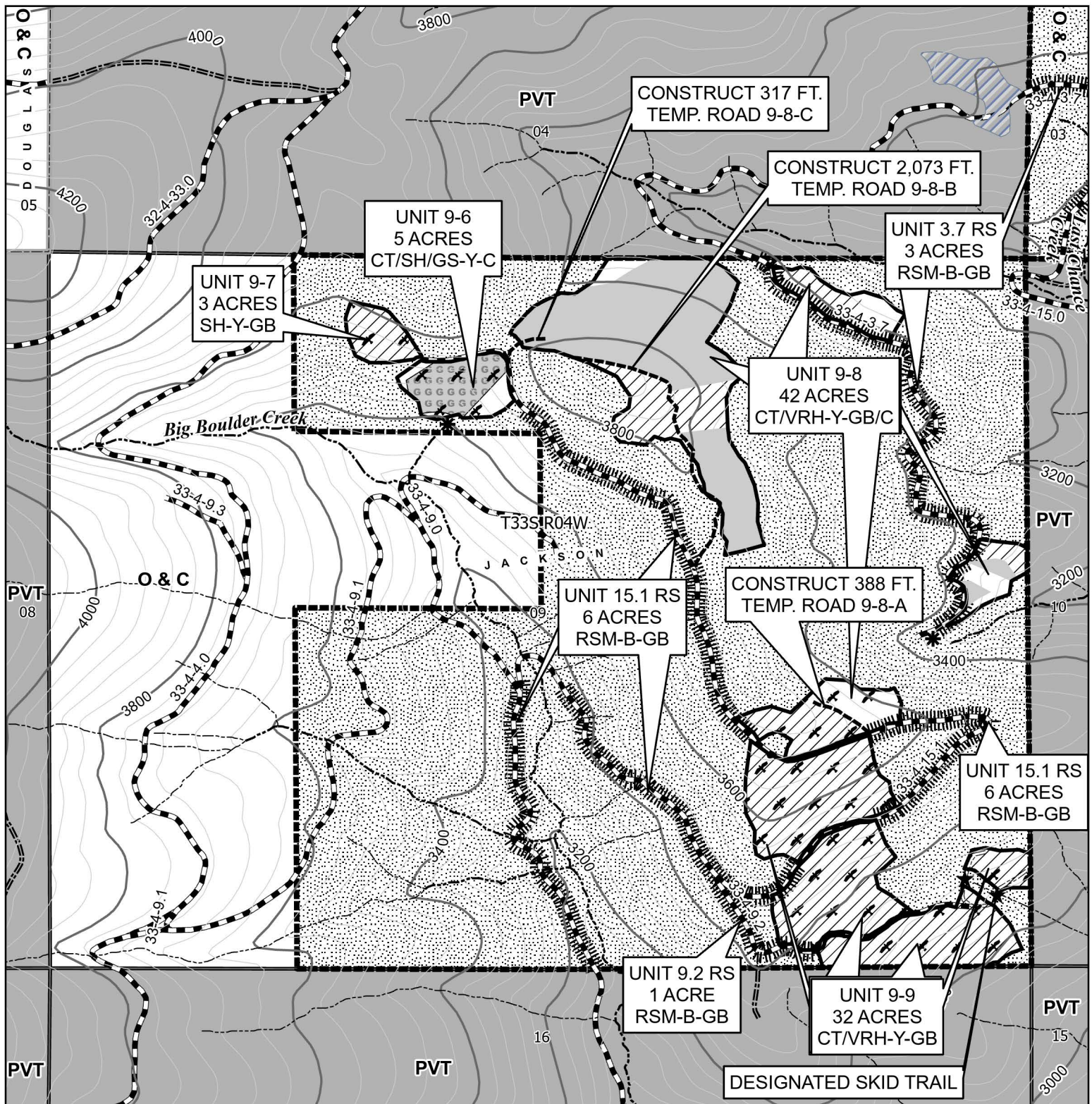
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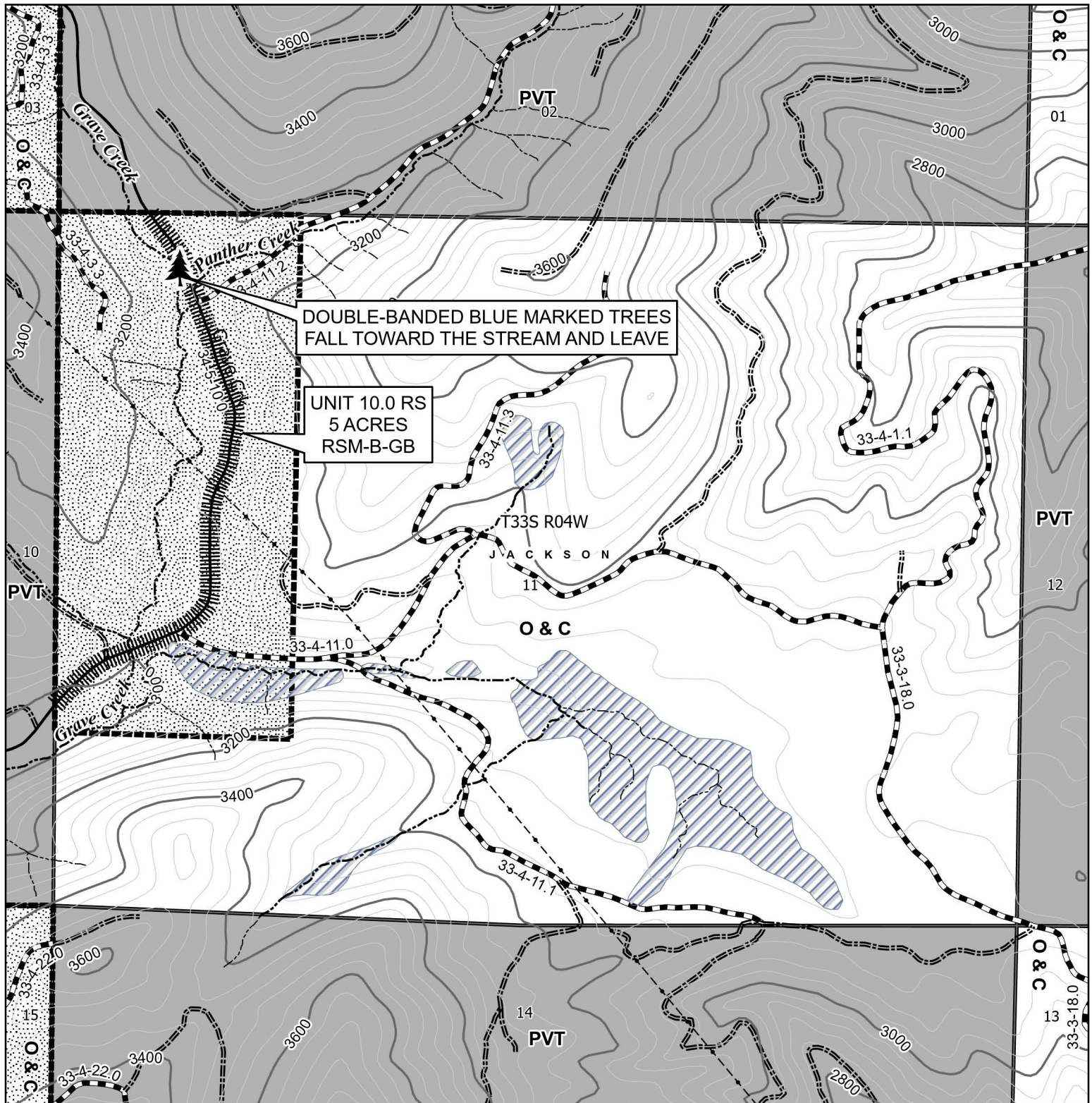
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





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LEGEND

Take A Chance Timber Sale Units





Logging System













-  Cable
-  Ground-Based (Cat or Shovel)
-  Gap
-  Yum Yard Hardwoods ≤ 20" DBH
-  Northern Spotted Owl Seasonal Restrictions
-  Roadside Clearing Unit
-  Roadside Cut and Leave Trees
-  Designated Stream Crossing
-  Designated Skid Trails

Take A Chance Road Work



-  Perm Construction
-  Perm Reconstruction
-  Temp Construction
-  Temp Reconstruction

Road Surface Type



-  Paved
-  Rocked
-  Natural Surface
-  Road Blocked

-  Contract Area Boundary
-  Reserve Area
-  Intermittent Stream
-  Perennial Stream
-  Springs
-  Waterbodies
-  Plant Site Buffer
-  Electric Power Transmission Line
-  County
-  Township & Range
-  Section
-  Government Lots

Ownership

-  Bureau of Land Management
-  Private Individual or Company

40 Foot Index Contours

-  Index - 200 ft.
-  Intermediate - 40 ft.



1:12,000

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## LEGEND

UNIT*	UNIT ACRES	PRESCRIPTION-PAINT COLOR-LOGGING SYSTEM
3-8	9	CT/SH/GS-Y-GB/C
3-9	6	CT/GS-Y-GB
3-10	39	CT/SH/VRH-Y-GB/C
3-11	87	CT/SH/VRH/GS-Y-GB/C
9-6	5	CT/SH/GS-Y-C
9-7	3	SH-Y-GB
9-8	42	CT/VRH-Y-GB/C
9-9	32	CT/VRH-Y-GB
15-8A	10	VRH-Y-GB/C
15-8B	9	SH-Y-C
15-9	8	CT/GS-Y-GB
15-10	19	CT/VRH-Y-GB/C
15-11	79	CT/SH/VRH-Y-GB/C
3.09 RW	2	RW-O-GB
3.1 RW	1	RW-O-GB
10.1 RW	1	RW-O-GB
15.6 RW	1	RW-O-GB
15.8 RW	3	RW-O-GB
3.1 RS	3	RSM-B-GB
3.7 RS	3	RSM-B-GB
9.2 RS	1	RSM-B-GB
10.0 RS	5	RSM-B-GB
15.0 RS	2	RSM-B-GB
15.1 RS	6	RSM-B-GB
15.5 RS	2	RSM-B-GB
22.0 RS	2	RSM-B-GB
33.1 RS	3	RSM-B-GB
TOTAL	383	

CT - COMMERCIAL THIN  
 SH - SELECTION HARVEST  
 VRH - VARIABLE RETENTION HARVEST  
 GS - GROUP SELECT  
 RW - RIGHT OF WAY CLEARING  
 RSM - ROADSIDE TREATMENT  
 GB - GROUND BASED YARDING  
 C - CABLE YARDING  
 Y - YELLOW MARK LEAVE TREE  
 O - ORANGE MARK CUT TREE  
 B - BLUE MARK CUT TREE  
 \*\*CLEARING LIMITS POSTED INSIDE AND  
 OUTSIDE OF UNITS

500 Feet



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### SUMMARY

CT/SH/VRH/GS-Y-GB/C	COMMERCIAL THIN, SELECTION HARVEST, VARIABLE RETENTION HARVEST, & GROUP SELECTION - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNIT 3-11)	87 ACRES
CT/SH/VRH-Y-GB/C	COMMERCIAL THIN, SELECTION HARVEST, & VARIABLE RETENTION HARVEST - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNIT 3-10 & 15-11)	118 ACRES
CT/SH/GS-Y-GB/C	COMMERCIAL THIN, SELECTION HARVEST, & GROUP SELECTION - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNIT 3-8)	9 ACRES
CT/SH/GS-Y-C	COMMERCIAL THIN, SELECTION HARVEST, & GROUP SELECTION - YELLOW MARK LEAVE TREE - CABLE YARD (UNIT 9-6)	5 ACRES
CT/VRH-Y-GB/C	COMMERCIAL THIN & VARIABLE RETENTION HARVEST - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNITS 9-8 & 15-10)	61 ACRES
CT/VRH-Y-GB	COMMERCIAL THIN & VARIABLE RETENTION HARVEST - YELLOW MARK LEAVE TREE - GROUND BASE YARD (UNIT 9-9)	32 ACRES
CT/GS-Y-GB	COMMERCIAL THIN & GROUP SELECTION - YELLOW MARK LEAVE TREE - GROUND BASE YARD (UNITS 3-9 & 15-9)	14 ACRES
VRH-Y-GB/C	VARIABLE RETENTION HARVEST - YELLOW MARK LEAVE TREE - GROUND BASE & CABLE YARD (UNIT 15-8A)	10 ACRES
SH-Y-GB	SELECTION HARVEST - YELLOW MARK LEAVE TREE - GROUND BASE (UNIT 9-7)	3 ACRES
SH-Y-C	SELECTION HARVEST - YELLOW MARK LEAVE TREE - CABLE YARD (UNIT 15-8B)	9 ACRES
RW-O-GB	RIGHT OF WAY CLEARING - ORANGE MARK LEAVE TREE - GROUND BASE YARD (UNITS 3.09 RW, 3.1 RW, 10.1 RW, 15.6 RW, AND 15.8 RW)	8 ACRES
RSM-B-GB	ROADSIDE MANAGEMENT - BLUE MARK CUT TREE - GROUND BASE YARD (UNITS 3.1 RS, 3.7 RS, 9.2 RS, 10.0 RS, 15.0 RS, 15.1 RS, 15.5 RS, 22.0 RS, AND 33.1 RS)	27 ACRES
	TOTAL TIMBER SALE UNIT AREA	383 ACRES
	RESERVE AREA	1,412.45 ACRES
	TOTAL CONTRACT AREA	1,795.45 ACRES

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 Feet

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## Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013

	Unrestricted Period
	Operations Restricted To Dry Condition, Waiver Required
	Operations Restricted While NSO Spot Check Surveys Occur, Restriction May Be Extended IF Owls Are Nesting
	Operations Restricted

\* Operations will be suspended if unacceptable damage to residual trees occur

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

\*\*\* **All road maintenance and improvements must be completed before wet season haul can occur on the roads. The Purchaser may elect to make improvements to Dry Condition Haul Roads listed to allow for All Season Haul, at their own expense, as approved by the Authorized Officer. Haul will be suspended if the roads begin to show damage or conditions develop that could cause damage to the road as described in**

Dry Condition Yarding and Temporary Route work- Ground-based harvesting and yarding, temporary route work, and rehabilitation activities would not occur when soil moisture at a depth of 4-6 inches is wet enough to maintain form when compressed, or when soil moisture at the surface would readily displace, causing ripples and ruts along equipment tracks. These conditions are generally found when soil moisture at a depth of 4-10 inches is between 15-25% depending on soil type.

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b>Units 10.0 RS, 15.0 RS, 15.5 RS</b> (Ground Based Yard Units with All Season Haul)	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading & Hauling on Roads 33-4-15.0, 33-4-15.5, 33-4-22.0, 33-4-21.0, and 33-4-21.3 and all Paved Rds***																								

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**Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b><u>Units 3.09 RW, 15.6 RW, 15.8 RW</u></b> (Ground Based Yard Units with Road Construction & All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 32-4-33.1, 33-4-3.0, 33-4-3.08, 33-4-3.09, 33-4-15.0, 33-4-15.16, 33-4-15.18, 33-4-15.5, 33-4-15.8, 33-4-21.0, 33-4-21.3, 33-4-22.0, and all Paved Rds***																								

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**Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b>Units 3-9, 3.1 RS, 3.7 RS, 9.2 RS, 15.1 RS, 22.0 RS, 33.1 RS</b> (Ground Based Yard Units with Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 33-4-3.1, 33-4-3.7, 33-4-9.2, 33-4-15.1, 33-4-15.3, and the portion of road 32-4-33.1 that is east of the junction with the 33-4-3.0 road.***																								
	Loading and Hauling on Roads 33-4-15.0, 33-4-21.0, 33-4-21.3, 33-4-22.0, the portion of road 32-4-33.1 that is west of the junction with the 33-4-3.0 road, and all Paved Rds***																								
<b>Unit 15-8B</b> (Cable Yard Unit with Northern Spotted Owl Seasonal Restrictions, and All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 33-4-15.14, 33-4-15.5, 33-4-21.0, 33-4-21.3, 33-4-22.0, and all Paved Rds***																								

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**Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b>Unit 15-9</b> (Ground Based Yard Unit with Northern Spotted Owl Seasonal Restrictions, and All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on all Paved Rds***																								
<b>Unit 9-6</b> (Cable Yard Unit with Northern Spotted Owl Seasonal Restrictions, and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Road 33-4-15.1.***																								
	Loading and Hauling on all Paved Rds***																								

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**Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b>Unit 15-11</b> (Ground Based & Cable Yard Unit with Northern Spotted Owl Seasonal Restrictions, and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 33-4-15.17, and the portion of road 33-4-15.05 that is west of junction with the 33-4-15.14 road.***																								
	Loading and Hauling on Roads 33-4-15.14, 33-4-15.15, 33-4-15.5, 33-4-21.0, 33-4-21.3, 33-4-22.0, and all Paved Rds***																								

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**Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b>Units 3-10, 15-8A, and 15-10</b> (Ground Based & Cable Yard Units with Road Construction, Northern Spotted Owl Seasonal Restrictions & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads TR 15-10, 32-4-33.1, 33-4-3.0, 33-4-3.08, 33-4-3.09, 33-4-15.0, 33-4-15.5, 33-4-15.16, 33-4-15.18, 33-4-15.8, 33-4-21.0, 33-4-21.3, 33-4-22.0, and all Paved Rds***																								
<b>Units 9-7, 9-9</b> (Ground Based Yard Units with Northern Spotted Owl Seasonal Restrictions, and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 33-4-15.1, and 33-4-9.2***																								
	Loading and Hauling on Road 33-4-15.0 and all Paved Rds***																								

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**Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b>Units 3-8 and 3.1 RW</b> (Ground Based & Cable Yard Unit with Road Construction, Northern Spotted Owl Seasonal Restrictions, and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Road TR 3-8***																								
	Hauling on Roads 33-4-3.1, 33-4-3.0, 32-4-33.1, 33-4-15.0, and all Paved Rds***																								
<b>Unit 10.1 RW</b> (Ground Based Yard Unit with Road Construction, and Dry Condition Haul & All Season Haul)	Manual Falling and Bucking*																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 33-4-3.1 and 33-4-10.1.***																								
	Loading and Hauling on all Paved Rds***																								

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**Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b>Part of Unit 3-11 w/out</b> <b>NSO Seasonal</b> <b>Restrictions:</b> The <u>portion of unit the lies</u> <u>below Road 33-4-10.01;</u> <u>and the northern-most</u> <u>portion of unit that lies</u> <u>between Road 33-4-10.01</u> <u>to the west, Road 33-4-3.0</u> <u>to the east, the chinqapin</u> <u>stand not being treated to</u> <u>the south, and unit 3-8 to</u> <u>the north.</u>	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Road 33-4- 3.0 (south of junction with the 33-4- 3.08 rd), 33-4-3.1, and 33-4- 10.1.***																								
	Loading and Hauling on Roads 33- 4-3.0, 32-4-33.1, 33-4-15.0, and all Paved Rds***																								

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**Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b>Parts of Unit 3-11 w/ NSO Seasonal Restrictions:</b> The eastern-most portion of unit that lies between the powerlines and Roads 33-4 3.0/TR 3-11-B; The south-eastern-most portion of unit that is bordered by Road 33-4-10.01 to the west, TR-3-11-B to the east, the chinqapin stand not being treated to the north, and the southern section line of section 3 to the south; and construction of temp. roads TR 3-11-A and TR 3-11-B.	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads TR 3-11-A, TR 3-11-B, and 33-4-3.0 (south of junction with the 33-4-3.08 rd).***																								
	Loading and Hauling on Roads 33-4-3.0 (north of junction with the 33-4-3.0 rd), 32-4-33.1, 33-4-15.0, and all Paved Rds***																								

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**Take A Chance Timber Sale Seasonal Restriction Matrix, Contract # ORM07-TS-2025.0013**

Sale Area	Activity	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
		1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<b>Parts of Unit 9-8 w/out NSO Seasonal Restrictions:</b> The portions of unit in the northeast corner of section 9 and are accessed from/share boundaries with Temp. Roads TR 9-8-B, TR 9-8-C, or Road 33-4-3.7	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads 33-4-3.07, TR 9-8-B, TR 9-8-C, 33-5-15.1, 33-4-3.7.***																								
<b>Part of Unit 9-8 w/NSO Seasonal Restrictions:</b> The southern-most portion of the unit that shares a boundary with Road 33-4-15.1	Loading and Hauling on Roads 33-4-15.0 and all Paved Rds***																								
	Manual Falling and Bucking*																								
	Cable Yarding																								
	Mechanical Ground Based Harvesting, Yarding & Piling, Road & Landing Construction, and Rehabilitation Activities Involving Heavy Equipment																								
	Pile Burning																								
	Road Maintenance**																								
	Loading and Hauling on Roads TR 9-8-A and 33-4-15.1.***																								
	Hauling on all Paved Rds***																								

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# Information for Timber Sale Notice, Prospectus, Sec. 43 & 44

## Take A Chance Timber Sale

### ORM07-TS-2025.0013

Approx # of trees	Est Volume MBF 32'	Species	Est Volume MBF 16'	Stumpage Adjustment	Appraised \$/MBF	Appraised Value (\$)
41,462	7,745.0	Douglas Fir	9,556.0	(\$1.77)	\$263.50	\$2,518,006.00
4,007	489.0	Western Hemlock	569.0	(\$0.40)	\$98.50	\$56,046.50
895	194.0	White Fir	249.0	(\$0.05)	\$57.30	\$14,267.70
2,695	164.0	Incense-cedar	202.0	\$0.00	\$41.00	* \$8,282.00
39	7.0	Sugar Pine	8.0	\$0.00	\$40.70	* \$325.60
70	4.0	Ponderosa Pine	5.0	\$0.00	\$37.20	* \$186.00
<b>49,168</b>	<b>8,603.0</b>		<b>10,589.0</b>			<b>\$2,597,113.80</b>

\* Minimum Stumpage values were used to compute the Appraised Price/MBF (10.00% of Pond Value)

<b>CRUISED BY:</b>	Cannon & Darner
<b>CRUISE COMPLETED:</b>	July 2025
<b>COMBINED SAMPLING ERROR:</b>	11.50%

<b>CRUISE DESIGN/METHOD Description:</b>
The Take A Chance timber sale was cruised using the PCMTRE, 3P, and BLM 100 cruise methods. Strata 1 was 198 acres dominant of Variable Retention Harvest and gaps which was cruised using PCMTRE, a 40 BAF, 1 in 10 sampling frequency, on 119 plots installed on a grid pattern. Strata 2 was 108 acres dominant of Commercial Thinning and Selection Harvest which was cruised using PCMTRE, a 40 BAF, 1 in 9 sampling frequency, on 64 plots installed on a grid pattern. Strata 3 was 42 acres of Variable Retention Harvest but had a high percentage of Hemlock. It was cruised using PCMTRE, a 40 BAF, 1 in 9 sampling frequency, 24 plots installed on a grid pattern. The 35 acres of ROW's and roadside clearing were cruised using the 3P cruise method for DF, WF, IC, PP and BLM 100 for other minor species.

## TRACT FEATURES

### ALL SPECIES

<b>QM DBH</b>	15.3	INCHES
<b>GM LOG</b>	60	BD FT
<b>Total Gross Volume</b>	11,604	MBF

	<b>Recovery</b>	91	%
	<b>Salvage</b>	0	MBF
	<b>Export</b>	0	MBF

Dominant Species: **Douglas Fir**

	<b>QM DBH</b>	15.5	INCHES
	<b>GM Log</b>	62	BD FT
	<b>Recovery</b>	91	%
	<b>Salvage</b>	0	MBF

Admin Scale Allowance		\$0.00	\$/MBF
	TOTAL ADMIN. SCALE Allowance	\$0.00	

EXPORT VOLUME (LE-1)	Port Orford Cedar	0	MBF
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Reserve Tree Paint Color	Reserve Tree Count
	0

Harvest Tree Paint Color	Harvest Tree Count
	49,168

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**United States  
Department of the Interior  
Bureau of Land Management**

**Timber Appraisal**

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<b>Sale Name:</b> Take A Chance	<b>Sale Date:</b> Thursday, September 25, 2025
<b>BLM District:</b> Medford DO	<b>Unit of Measure:</b> 16' MBF
<b>Contract #:</b> ORM07-TS-2025.0013	<b>Contract Term:</b> 48 months
<b>Sale Type:</b> Advertised	<b>Contract Mechanism:</b> 5450-004

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Scale Sale of Timber and other Wood Products

**Content**

**Timber Appraisal Summary**  
**Stumpage Summary**  
**Unit Summary**  
**Stump to Truck**  
**Transportation**  
**Engineering Allowances**  
**Other Allowances**

**Prepared By:** Cannon, Grant P - 8/7/2025  
**Approved By:** Worman, Aaron S - 8/13/2025

## Legal Description of Contract Area

Land Status	County	Township	Range	Section	Subdivision	Meridian
O&C	Jackson	32S	4W	33	Lot 12	Willamette
O&C	Jackson	32S	4W	34	Lot 9	Willamette
O&C	Jackson	33S	4W	3	Lot 1,2,3,4, S1/2NE1/4, S1/2NW1/4, SW1/4, SE1/4	Willamette
O&C	Jackson	33S	4W	9	NE1/4, NE1/4NW1/4, E1/2SW1/4, SE1/4	Willamette
O&C	Jackson	33S	4W	11	W1/2NW1/4, NW1/4SW1/4	Willamette
O&C	Jackson	33S	4W	15	NE1/4, E1/2NW1/4, SW1/4, N1/2SE1/4, SW1/4SE1/4	Willamette

## Species Totals

Species	Net	Gross Merch	Gross	# of Merch Logs	# of Cull Logs	# of Trees
Douglas Fir	9,556.0	10,421.0	10,467.0	166,840	2,159	41,462
Western Hemlock	569.0	610.0	611.0	15,231	10	4,007
White Fir	249.0	275.0	276.0	4,143	57	895
Incense-cedar	202.0	234.0	234.0	5,724	51	2,695
Sugar Pine	8.0	10.0	10.0	154	0	39
Ponderosa Pine	5.0	6.0	6.0	144	0	70
<b>Totals</b>	<b>10,589.0</b>	<b>11,556.0</b>	<b>11,604.0</b>	<b>192,236</b>	<b>2,277</b>	<b>49,168</b>

## Cutting Area Acres

Regeneration Harvest Acres	Partial Cut Acres	Right of Way Acres	Total Acres	Net Volume per Acre
231.0	117.0	35.0	383.0	27.6

## Comments:

Scale for payment sale. \*\*\*\*\* See Deficit Surplus pricing that was applied to sale.\*\*\*\*\*

**Logging Costs**

Stump to Truck	\$2,273,978.76
Transportation	\$632,575.44
Road Construction	\$935,044.16
Maintenance/Rockwear	\$232,696.03
Road Use	\$400.00
Other Allowances	\$192,993.50
<b>Total:</b>	<b>\$4,267,687.89</b>
<b>Total Logging Cost per MBF:</b>	<b>\$403.03</b>

**Utilization Centers**

<u>Location</u>	<u>Distance</u>	<u>% of Net Volume</u>
White City/Glendale	35.0 miles	100%

**Profit & Risk**

Profit	11%
Risk	0%
<b>Total Profit &amp; Risk</b>	<b>11%</b>

**Tract Features**

Quadratic Mean DBH	15.3 in
Average GM Log	60 bf
Average Volume per Acre	27.6 mbf
Recovery	91%
<u>Net MBF volume:</u>	
Green	10,589.0 mbf
Salvage	0 mbf
Export	0 mbf
<u>Ground Base Logging:</u>	
Percent of Sale Volume	47%
Average Yarding Slope	0%
Average Yarding Distance	190 ft
<u>Cable Logging:</u>	
Percent of Sale Volume	53%
Average Yarding Slope	0%
Average Yarding Distance	250 ft
<u>Aerial Logging:</u>	
Percent of Sale Volume	0%
Average Yarding Slope	0%
Average Yarding Distance	0 ft

**Cruise**

<b>Cruise Completed</b>	July 2025
<b>Cruised By</b>	Cannon & Darner
<b>Cruise Method</b>	

The Take A Chance timber sale was cruised using the PCMTRE, 3P, and BLM 100 cruise methods. Strata 1 was 198 acres dominant of Variable Retention Harvest and gaps which was cruised using PCMTRE, a 40 BAF, 1 in 10 sampling frequency, on 119 plots installed on a grid pattern. Strata 2 was 108 acres dominant of Commercial Thinning and Selection Harvest which was cruised using PCMTRE, a 40 BAF, 1 in 9 sampling frequency, on 64 plots installed on a grid pattern. Strata 3 was 42 acres of Variable Retention Harvest but had a high percentage of Hemlock. It was cruised using PCMTRE, a 40 BAF, 1 in 9 sampling frequency, 24 plots installed on a grid pattern. The 35 acres of ROW's and roadside clearing were cruised using the 3P cruise method for DF, WF, IC, PP and BLM 100 for other minor species.

## Stumpage Computation

Species	# of Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Costs	(+) Marginal Log Value	Stumpage Adjustment	Appraised Price/MBF	Appraised Value (\$)
Douglas Fir	41,462	9,556.0	\$750.91	\$82.60	\$403.03	\$0.00	(\$1.77)	\$263.50	\$2,518,006.00
Western Hemlock	4,007	569.0	\$563.94	\$62.03	\$403.03	\$0.00	(\$0.40)	\$98.50	\$56,046.50
White Fir	895	249.0	\$517.32	\$56.91	\$403.03	\$0.00	(\$0.05)	\$57.30	\$14,267.70
Incense-cedar	2,695	202.0	\$410.01	\$45.10	\$403.03	\$0.00	\$0.00	\$41.00 *	\$8,282.00
Sugar Pine	39	8.0	\$406.88	\$44.76	\$403.03	\$0.00	\$0.00	\$40.70 *	\$325.60
Ponderosa Pine	70	5.0	\$372.00	\$40.92	\$403.03	\$0.00	\$0.00	\$37.20 *	\$186.00
<b>Totals</b>	<b>49,168</b>	<b>10,589.0</b>							<b>\$2,597,113.80</b>

\* Minimum Stumpage values were used to compute the Appraised Price/MBF (10.00% of Pond Value)

## Other Wood Products

Product	Unit of Measure	# of Units	\$/Unit	Appraised Value
Biomass	Green Tons	2500	\$3.00	\$7,500.00
<b>Totals</b>				<b>\$7,500.00</b>

**Total Appraised Value: \$2,604,613.80**



### Percent of Volume By Log Grade

Species	No. 1 & 2 Peeler	No. 3 Peeler	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Douglas Fir			4.0%	54.0%	38.0%	4.0%	

Species	Peeler	No. 1 Sawmill	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Western Hemlock				36.0%	54.0%	10.0%	

Species	Peeler	No. 1 Sawmill	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
White Fir				54.0%	43.0%	3.0%	

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Incense-cedar				34.0%	53.0%	13.0%	

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Sugar Pine				36.0%	64.0%		

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Ponderosa Pine					83.0%	17.0%	

**Take A Chance****Unit Summary****ORM07-TS-2025.0013****Unit: 3-8**

<b>Species</b>	<b>Net</b>	<b>Gross Merch</b>	<b>Gross</b>	<b># of Trees</b>
Douglas Fir	116.0	126.0	128.0	876
White Fir	12.0	14.0	14.0	37
Western Hemlock	10.0	11.0	11.0	94
<b>Totals:</b>	<b>138.0</b>	<b>151.0</b>	<b>153.0</b>	<b>1,007</b>

**Net Volume/Acre: 15.3 MBF**

Regeneration Harvest	3.0
Partial Cut	6.0
Right of Way	0.0
<b>Total Acres:</b>	<b>9.0</b>

**Unit: 3-9**

<b>Species</b>	<b>Net</b>	<b>Gross Merch</b>	<b>Gross</b>	<b># of Trees</b>
Douglas Fir	207.0	226.0	227.0	764
Incense-cedar	5.0	6.0	6.0	69
Western Hemlock	3.0	4.0	4.0	27
White Fir	1.0	2.0	2.0	4
<b>Totals:</b>	<b>216.0</b>	<b>238.0</b>	<b>239.0</b>	<b>864</b>

**Net Volume/Acre: 36.0 MBF**

Regeneration Harvest	4.0
Partial Cut	2.0
Right of Way	0.0
<b>Total Acres:</b>	<b>6.0</b>

**Unit: 3-10**

<b>Species</b>	<b>Net</b>	<b>Gross Merch</b>	<b>Gross</b>	<b># of Trees</b>
Douglas Fir	1,343.0	1,470.0	1,474.0	4,963
Incense-cedar	35.0	41.0	41.0	448
Western Hemlock	23.0	25.0	25.0	178
White Fir	9.0	10.0	10.0	24
Sugar Pine	2.0	2.0	2.0	8
<b>Totals:</b>	<b>1,412.0</b>	<b>1,548.0</b>	<b>1,552.0</b>	<b>5,621</b>

**Net Volume/Acre: 36.2 MBF**

Regeneration Harvest	35.0
Partial Cut	4.0
Right of Way	0.0
<b>Total Acres:</b>	<b>39.0</b>

**Unit: 3-11**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	3,000.0	3,280.0	3,289.0	11,071
Incense-cedar	79.0	93.0	93.0	1,018
Western Hemlock	50.0	55.0	55.0	396
White Fir	21.0	22.0	22.0	54
Sugar Pine	3.0	4.0	4.0	19
<b>Totals:</b>	<b>3,153.0</b>	<b>3,454.0</b>	<b>3,463.0</b>	<b>12,558</b>

**Unit: 3.1RS**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	38.0	41.0	41.0	202
<b>Totals:</b>	<b>38.0</b>	<b>41.0</b>	<b>41.0</b>	<b>202</b>

**Unit: 3.1RW**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	12.0	13.0	13.0	56
White Fir	1.0	1.0	1.0	5
<b>Totals:</b>	<b>13.0</b>	<b>14.0</b>	<b>14.0</b>	<b>61</b>

**Unit: 3.7RS**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	69.0	75.0	75.0	302
Incense-cedar	1.0	1.0	1.0	14
<b>Totals:</b>	<b>70.0</b>	<b>76.0</b>	<b>76.0</b>	<b>316</b>

**Net Volume/Acre: 36.2 MBF**

Regeneration Harvest	77.0
Partial Cut	10.0
Right of Way	0.0
<b>Total Acres:</b>	<b>87.0</b>

**Net Volume/Acre: 12.7 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	3.0
<b>Total Acres:</b>	<b>3.0</b>

**Net Volume/Acre: 13.0 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
<b>Total Acres:</b>	<b>1.0</b>

**Net Volume/Acre: 23.3 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	3.0
<b>Total Acres:</b>	<b>3.0</b>

**Unit: 3.09RW**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	33.0	36.0	36.0	66
White Fir	2.0	2.0	2.0	6
<b>Totals:</b>	<b>35.0</b>	<b>38.0</b>	<b>38.0</b>	<b>72</b>

**Net Volume/Acre: 17.5 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	2.0
<b>Total Acres:</b>	<b>2.0</b>

**Unit: 9-6**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	172.0	188.0	189.0	636
Incense-cedar	5.0	5.0	5.0	57
Western Hemlock	3.0	3.0	3.0	23
White Fir	1.0	1.0	1.0	3
<b>Totals:</b>	<b>181.0</b>	<b>197.0</b>	<b>198.0</b>	<b>719</b>

**Net Volume/Acre: 36.2 MBF**

Regeneration Harvest	3.0
Partial Cut	2.0
Right of Way	0.0
<b>Total Acres:</b>	<b>5.0</b>

**Unit: 9-7**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	39.0	42.0	43.0	292
White Fir	4.0	5.0	5.0	12
Western Hemlock	3.0	4.0	4.0	31
<b>Totals:</b>	<b>46.0</b>	<b>51.0</b>	<b>52.0</b>	<b>335</b>

**Net Volume/Acre: 15.3 MBF**

Regeneration Harvest	0.0
Partial Cut	3.0
Right of Way	0.0
<b>Total Acres:</b>	<b>3.0</b>

**Unit: 9-8**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	765.0	818.0	818.0	3,025
Western Hemlock	336.0	353.0	354.0	1,949
White Fir	27.0	29.0	29.0	211
<b>Totals:</b>	<b>1,128.0</b>	<b>1,200.0</b>	<b>1,201.0</b>	<b>5,185</b>

**Net Volume/Acre: 26.9 MBF**

Regeneration Harvest	41.0
Partial Cut	1.0
Right of Way	0.0
<b>Total Acres:</b>	<b>42.0</b>

**Unit: 9-9**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	1,102.0	1,206.0	1,210.0	4,072
Incense-cedar	29.0	34.0	34.0	368
Western Hemlock	19.0	20.0	20.0	146
White Fir	8.0	8.0	8.0	20
Sugar Pine	1.0	2.0	2.0	6
<b>Totals:</b>	<b>1,159.0</b>	<b>1,270.0</b>	<b>1,274.0</b>	<b>4,612</b>

**Net Volume/Acre: 36.2 MBF**

Regeneration Harvest	30.0
Partial Cut	2.0
Right of Way	0.0
<b>Total Acres:</b>	<b>32.0</b>

**Unit: 9.2RS**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	7.0	8.0	8.0	65
Incense-cedar	1.0	1.0	1.0	21
<b>Totals:</b>	<b>8.0</b>	<b>9.0</b>	<b>9.0</b>	<b>86</b>

**Net Volume/Acre: 8.0 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
<b>Total Acres:</b>	<b>1.0</b>

**Unit: 10.0RS**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	74.0	80.0	80.0	315
White Fir	18.0	19.0	19.0	78
Incense-cedar	1.0	1.0	1.0	8
<b>Totals:</b>	<b>93.0</b>	<b>100.0</b>	<b>100.0</b>	<b>401</b>

**Net Volume/Acre: 18.6 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	5.0
<b>Total Acres:</b>	<b>5.0</b>

**Unit: 10.1RW**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	82.0	89.0	90.0	295
Incense-cedar	1.0	1.0	1.0	17
<b>Totals:</b>	<b>83.0</b>	<b>90.0</b>	<b>91.0</b>	<b>312</b>

**Net Volume/Acre: 83.0 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
<b>Total Acres:</b>	<b>1.0</b>

**Unit: 15-8A**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	344.0	377.0	378.0	1,273
Incense-cedar	9.0	11.0	11.0	115
Western Hemlock	6.0	6.0	6.0	46
White Fir	2.0	3.0	3.0	6
Sugar Pine	1.0	1.0	1.0	2
<b>Totals:</b>	<b>362.0</b>	<b>398.0</b>	<b>399.0</b>	<b>1,442</b>

**Net Volume/Acre: 36.2 MBF**

Regeneration Harvest	10.0
Partial Cut	0.0
Right of Way	0.0
<b>Total Acres:</b>	<b>10.0</b>

**Unit: 15-8B**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	116.0	126.0	128.0	876
White Fir	12.0	14.0	14.0	37
Western Hemlock	10.0	11.0	11.0	94
<b>Totals:</b>	<b>138.0</b>	<b>151.0</b>	<b>153.0</b>	<b>1,007</b>

**Net Volume/Acre: 15.3 MBF**

Regeneration Harvest	0.0
Partial Cut	9.0
Right of Way	0.0
<b>Total Acres:</b>	<b>9.0</b>

**Unit: 15-9**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	103.0	112.0	114.0	779
White Fir	11.0	12.0	13.0	33
Western Hemlock	8.0	9.0	9.0	84
<b>Totals:</b>	<b>122.0</b>	<b>133.0</b>	<b>136.0</b>	<b>896</b>

**Net Volume/Acre: 15.3 MBF**

Regeneration Harvest	2.0
Partial Cut	6.0
Right of Way	0.0
<b>Total Acres:</b>	<b>8.0</b>

**Unit: 15-10**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	654.0	716.0	718.0	2,418
Incense-cedar	17.0	20.0	20.0	218
Western Hemlock	11.0	12.0	12.0	86
White Fir	5.0	5.0	5.0	12
Sugar Pine	1.0	1.0	1.0	4
<b>Totals:</b>	<b>688.0</b>	<b>754.0</b>	<b>756.0</b>	<b>2,738</b>

**Net Volume/Acre: 36.2 MBF**

Regeneration Harvest	17.0
Partial Cut	2.0
Right of Way	0.0
<b>Total Acres:</b>	<b>19.0</b>

**Unit: 15-11**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	1,017.0	1,105.0	1,121.0	7,692
White Fir	111.0	123.0	123.0	325
Western Hemlock	84.0	93.0	93.0	828
<b>Totals:</b>	<b>1,212.0</b>	<b>1,321.0</b>	<b>1,337.0</b>	<b>8,845</b>

**Net Volume/Acre: 15.3 MBF**

Regeneration Harvest	9.0
Partial Cut	70.0
Right of Way	0.0
<b>Total Acres:</b>	<b>79.0</b>

**Unit: 15.0RS**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	46.0	50.0	50.0	191
Incense-cedar	1.0	1.0	1.0	11
<b>Totals:</b>	<b>47.0</b>	<b>51.0</b>	<b>51.0</b>	<b>202</b>

**Net Volume/Acre: 23.5 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	2.0
<b>Total Acres:</b>	<b>2.0</b>

**Unit: 15.1RS**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	72.0	79.0	79.0	438
Incense-cedar	7.0	7.0	7.0	113
<b>Totals:</b>	<b>79.0</b>	<b>86.0</b>	<b>86.0</b>	<b>551</b>

**Net Volume/Acre: 13.2 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	6.0
<b>Total Acres:</b>	<b>6.0</b>

**Unit: 15.5RS**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	19.0	21.0	21.0	115
Incense-cedar	5.0	6.0	6.0	86
Ponderosa Pine	3.0	4.0	4.0	38
<b>Totals:</b>	<b>27.0</b>	<b>31.0</b>	<b>31.0</b>	<b>239</b>

**Net Volume/Acre: 13.5 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	2.0
<b>Total Acres:</b>	<b>2.0</b>

**Unit: 15.6RW**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	18.0	19.0	19.0	56
Western Hemlock	2.0	3.0	3.0	13
<b>Totals:</b>	<b>20.0</b>	<b>22.0</b>	<b>22.0</b>	<b>69</b>

**Net Volume/Acre: 20.0 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	1.0
<b>Total Acres:</b>	<b>1.0</b>

**Unit: 15.8RW**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	41.0	45.0	45.0	315
White Fir	3.0	4.0	4.0	25
Ponderosa Pine	2.0	2.0	2.0	32
Incense-cedar	1.0	1.0	1.0	26
Western Hemlock	1.0	1.0	1.0	12
<b>Totals:</b>	<b>48.0</b>	<b>53.0</b>	<b>53.0</b>	<b>410</b>

**Net Volume/Acre: 16.0 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	3.0
<b>Total Acres:</b>	<b>3.0</b>

**Unit: 22.0RS**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	17.0	18.0	18.0	77
Incense-cedar	2.0	2.0	2.0	49
White Fir	1.0	1.0	1.0	3
<b>Totals:</b>	<b>20.0</b>	<b>21.0</b>	<b>21.0</b>	<b>129</b>

**Net Volume/Acre: 10.0 MBF**

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	2.0
<b>Total Acres:</b>	<b>2.0</b>



Unit: 33.1RS

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	50.0	55.0	55.0	232
Incense-cedar	3.0	3.0	3.0	57
Totals:	53.0	58.0	58.0	289

Net Volume/Acre: 17.7 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	3.0
Total Acres:	3.0

Total Stump To Truck	Net Volume	\$/MBF
\$2,273,978.76	10,589.0	\$214.75

## Stump to Truck: Falling, Bucking, Yarding, &amp; Loading

Yarding System	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Cable: Medium Yarder	GM MBF	385.0	\$285.78	\$110,025.30	Thinning Units
Wheel Skidder/Feller Buncher	GM MBF	1,154.0	\$222.97	\$257,307.38	Thinning Units
Cable: Medium Yarder	GM MBF	5,712.0	\$191.21	\$1,092,191.52	Regen. & Gap Units
Shovel/Feller Buncher	GM MBF	268.0	\$174.41	\$46,741.88	Thinning Units
Wheel Skidder/Feller Buncher	GM MBF	2,969.0	\$156.55	\$464,796.95	Regen. & Gap Units
Shovel/Feller Buncher	GM MBF	1,068.0	\$153.04	\$163,446.72	Regen. & Gap Units
<b>Subtotal</b>				<b>\$2,134,509.75</b>	

## Additional Costs

Item	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Deadman Anchor	Each	11.0	\$450.00	\$4,950.00	
Intermediate Support	Each	54.0	\$250.00	\$13,500.00	
YUM Yarding	MBF	396.0	\$191.21	\$75,719.16	Cable yarding of Hardwoods 8" and above. See maps for YUM areas
Lift Tree	Each	69.0	\$150.00	\$10,350.00	
Dirrectional Falling	MBF	611.0	\$28.35	\$17,321.85	10% of Gross cable volume
<b>Subtotal</b>				<b>\$121,841.01</b>	

### Additional Moves

Equipment	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Cable: Large Yarder	Hour	12.0	\$169.00	\$2,028.00	
Harvester/Forwarder	Hour	24.0	\$169.00	\$4,056.00	
Shovel	Hour	12.0	\$169.00	\$2,028.00	
Loader	Hour	24.0	\$169.00	\$4,056.00	
Feller Buncher	Hour	12.0	\$138.00	\$1,656.00	
Wheel Skidder	Hour	24.0	\$111.00	\$2,664.00	
Tractor	Hour	12.0	\$95.00	\$1,140.00	
<b>Subtotal</b>				<b>\$17,628.00</b>	

**Comments:**

Logging costs were separated out by Regen/Gap units and thinning units.

Total	Net Volume	\$/MBF
\$632,575.44	10,589.0	\$59.74

Utilization Center	One Way Mileage	Description	Unit of Measure	# of Units	\$/Unit of Measure	Total Cost	% of Sale Volume
White City/Glendale	35.0	All Species	GM MBF	11,556.0	\$54.74	\$632,575.44	100%

**Comments:**  
Haul mileage was averaged between White City and Glendale.

Engineering Allowances

Total	Net Volume	\$/MBF
\$1,168,140.19	10,589.0	\$110.32

Cost Item	Total Cost
Road Construction:	\$935,044.16
Road Maintenance/Rockwear:	\$232,696.03
Road Use Fees:	\$400.00

Total	Net Volume	\$/MBF
\$192,993.50	10,589.0	\$18.23

**Environmental Protection**

Cost item	Total Cost
Snag Creation	\$1,568.00
Waterbar Corridors	\$540.00
Waterbar Skids & Temp Roads	\$3,375.00
Barricade Skids & Temp Routes	\$1,560.00
Equipment Washing (Small)	\$1,000.00
Equipment Washing (Large)	\$1,500.00
Ripping Skids	\$842.00
Seed & Mulch	\$13,000.00
<b>Subtotal</b>	<b>\$23,385.00</b>

**Logging**

Cost item	Total Cost
Skid Location	\$1,200.00
Corridor Location	\$1,200.00
Landing Construction	\$2,640.00
<b>Subtotal</b>	<b>\$5,040.00</b>

**Road Construction, Maintenance, Use, & Decommissioning**

Cost item	Total Cost
Culvert Cleaning	\$600.00
<b>Subtotal</b>	<b>\$600.00</b>

**Slash Disposal & Site Prep**

Cost item	Total Cost
Fuels Adjustment	\$51.90
Lop & Scatter	\$8,112.00

Cover & Burn Landing Decks	\$2,647.40
Cover & Burn Roadside Piles	\$2,170.00
Machine Pile Burn & Mop-up	\$5,055.20
Handpile Burn & Mop-up	\$8,036.00
Landing Clean-up	\$3,960.00
Mechanical Felling/Selective Slashing Hardwoods	\$8,398.00
Handfelling/Selective Slashing Hardwoods	\$23,760.00
Handpile & Cover	\$58,702.00
Machine Pile & Cover	\$43,076.00
<b>Subtotal</b>	<b>\$163,968.50</b>

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**Comments:**

Fuels Adjustment for acreage rounding, TAS does not allow for 1/4 acres

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

**Contract No.: ORM07-TS-  
2025.0013**

**Sale Name: Take A Chance TS**

**Issuing Office: Medford**

**EXHIBIT B  
SCALE SALE**

**PURCHASE PRICE SCHEDULE AND MEASUREMENT SPECIFICATIONS**

- I. **Timber and Other Wood Products Sold** - In accordance with Section 2 and 3, the Purchaser agrees to pay the Government for the timber and other wood products sold under the contract in accordance with the following schedule, measurement standards, and requirements. Wood products sold is comprised of Timber, Other Wood Products, and Timber and Other Wood Products Remaining as defined below. In the event an Extension of Time is approved, the prices per measurement unit may be subject to readjustment in accordance with Section 9 of the contract.

**Timber Schedule**

<b>Species</b>	<b>Unit of Measure</b>	<b>Price Per Measurement Unit</b>
Douglas-fir	MBF	\$
Western Hemlock	MBF	\$98.50
White Fir	MBF	\$57.30
Incense-Cedar	MBF	\$41.00
Sugar Pine	MBF	\$40.70
Ponderosa Pine	MBF	\$37.20

**Other Wood Products Schedule**

<b>Product/Species</b>	<b>Unit of Measure</b>	<b>Price Per Measurement Unit</b>
Biomass	Green Tons	\$3.00

The Authorized Officer shall establish unit of measure and price per measurement unit, in accordance with standard Bureau of Land Management (BLM) procedures, for any species or products not listed in this Exhibit that are cut or removed from the contract area.

II. **Timber** – Includes standing trees, downed trees or logs, or portions thereof, which can be cut into logs that equal or exceed the specifications below.

All logs defined below, which have not been reserved to Government in Section 43 of the contract, shall be designated as timber under this contract. Logs or portions of logs which equal or exceed all the following minimum log specifications shall be considered timber sold. The Purchaser shall pay for all timber removed in accordance with Section 3 of the contract at the price per measurement unit shown in Section I of this Exhibit.

- Log or portion of a log that is:
  - One third (1/3) sound.
  - Small End Diameter Inside Bark (DIB) – Five (5) inches
  - Length – Eight (8) feet four (4) inches

III. **Other Wood Products** – Includes timber and other woody material not meeting the timber specifications above (i.e., pulp, biomass, chips, hog fuel).

If Purchaser removes any products or species which do not meet the minimum log specifications for timber in Section II, such material shall be considered other wood products. Purchaser shall pay for other wood products in accordance with Section 3 of the contract at the price per measurement unit shown in Section I of this Exhibit.

IV. **Timber and Other Woods Products Remaining** - The remaining volume of any timber or other wood products, which have not been reserved to Government in Section 43 of the contract, shall be determined as provided in Section 3(g) of the contract using specifications set forth in the table below. The Purchaser shall pay for the sum of all remaining volume in accordance with Section 3 of the contract at the unit prices shown in Section I of this Exhibit.

Left Standing Timber	Felled Timber Not Removed
Diameter at Breast Height (DBH): 8"	Small End DIB: 6"
Log Height: 24'	Log Length: 8'
% Sound: 33.3	% Sound: 33.3
Net Tree Volume: 10 bd.ft.	Net Log Volume: 10 bd.ft.

## V. **Measurement Standards**

1. **Log Scaling Loads:** All species or products in Section I, with MBF as the Unit of Measure shall be designated as log scaling loads.
  - a. Log scaling services shall be provided and performed by BLM Certified Scalers or BLM-authorized Third-Party Scaling Organizations (TPSO), as determined by the Authorized Officer. The Purchaser's employees or contractors may not perform log scaling.



- b. All logs shall be scaled in Eastside Scribner Log Rules according to the Official Log Scaling and Grading Bureaus, Northwest Log Rules Eastside and Westside Log Scaling Handbook, as amended or supplemented, at the time the logs are scaled.
- c. All logs shall be scaled using an authorized BLM log scaling method approved by the Authorized Officer in accordance with BLM prescribed procedures. A list of authorized BLM log scaling methods is available upon request.
- d. Purchaser shall ensure all logs are presented so that they may be scaled in an economical and safe manner.
- e. Scaling deductions made for rot, check or other defect resulting from abnormal delay in scaling caused by Purchaser shall be recorded separately and charged to the Purchaser in accordance with Section 3(g) of the contract when applicable. Avoidable delay in log scaling caused by the Purchaser that results in a measurable reduction in timber volume or quality would generally be considered abnormal delay, as determined by the Authorized Officer.
- f. Mechanical damage to logs that occurs during unloading identified by the TPSO will not be considered a deductible defect.
- g. The BLM will conduct check scaling using the following standards:  
 Gross Scale - A variance of one and ½ percent (1.5%) in gross scale is the standard unless otherwise justified.  
 Net scale - The allowable variance is as follows:

Check scaler's percent defect in logs	Scalers allowable variance
0-10 percent	2 percent
over 10 percent	0.2 * percent defect to a maximum of 5 percent

Determinations as to volume of timber made by a BLM check scaler in conformance with the standards as set forth herein shall be final. When such checks show a variance in scale more than acceptable standards, in two or more consecutive check scales, an adjustment to the volume reported as scaled will be made by BLM. Such adjustments will be made based on the difference between available BLM check scales and the original scale during the period covered by the unsatisfactory check scales. Unless otherwise approved in writing by the Authorized Officer, the volume to which this difference will be applied will be fifty (50) percent of the volume scaled between the last satisfactory check and the first unsatisfactory check, one hundred (100) percent of the volume scaled during the unsatisfactory check, and fifty (50) percent of the volume between the last unsatisfactory check scale and the next satisfactory check scale.

- 2. **Weight Loads:** All species or products in Section I, with Tons as the Unit of Measure shall be designated as weight loads.

- a. All weight loads shall be weighed on State certified scales.
- b. Scales must have a current inspection tag or seal posted which shows the date of the most recent test by the State weights and measures agency.
- c. No load shall be presented for weighing that exceeds the certified capacity of the scales in use.
- d. Each load shall be weighed as a single unit. Gross and tare weight must be machine printed on a weight receipt. Average tare weights shall not be used, unless approved by the Authorized Officer. In addition to the gross and tare weight, the following shall be recorded with each weight receipt:
  - Contract name and number
  - Load Ticket number
  - Date, time, and location the load was weighed

## **VI. Accountability**

1. Purchaser shall notify the Authorized Officer seven (7) business days prior to starting or stopping of hauling operations performed under the contract.
2. The Purchaser must provide the following information to the Authorized Officer seven (7) business days prior to the commencement of haul: log scaling and weighing location(s), planned beginning haul dates, anticipated number of loads per day to each scaling or weighing location, logger name and contact information, and log brands to be used, and the log brand registration number(s).
3. A Scaling Authorization Form(s) must be completed and approved by the Contracting Officer prior to beginning of hauling operations. The Scaling Authorization(s) will include approved measurement methods, merchantability standards, sort descriptions, and authorized delivery locations for all loads hauled from the contract area. For log scale loads, all log scaling locations on the Scaling Authorization(s) are required to have a Log Yard Authorization with the BLM. Approved Scaling Authorizations will be provided to the Purchaser upon request.
4. All loads will be scaled and/or weighed at locations listed on the Scaling Authorization as approved by the Authorized Officer.
5. Purchaser shall notify the Authorized Officer seven (7) business days in advance to request additional log scaling and/or weighing locations for approval on the Scaling Authorization(s).
6. Purchaser shall not intermingle BLM timber and other wood products with any other timber or wood products before log scaling and/or weighing occurs.
7. All logs on timber loads will be painted and branded at the landing and accounted for accordance with Section 44 of the contract. If contract area is within a State that maintains a log brand register, brands shall be registered with the State and Purchaser

shall use assigned brand(s) exclusively on logs from this contract until the Authorized Officer releases the brand(s).

8. The Authorized Officer shall issue the Purchaser serially numbered load ticket books prior to any haul operations. The Purchaser shall sign a receipt for all ticket books received. The Purchaser shall accurately complete all load receipts in accordance with the instructions on the front of the ticket books, or as directed by the Authorized Officer. Separate load ticket books will be used for timber and other wood products. Mule train timber loads will be treated as two separate loads with a ticket for each load. All load tickets will be marked with the cutting area number using a permanent marker or as directed by the Authorized Officer. The Purchaser shall deliver all loads to the log scaling or weighing location on the Scaling Authorization and listed on the BLM receipt. The load receipt and BLM receipt shall remain attached to the log load until it is scaled and/or weighed. For log scale loads, attach on the bunk or wing log at the front of the load on the driver's side, and surrender the load receipt and BLM receipt to the TPSO or Authorized Officer at the scaling location. For weight loads, either attach at the front of the load on the driver's side or place on the driver's side dashboard, attach the load receipt and BLM receipt to the weight receipt and deliver to the BLM weekly, unless otherwise directed by the Authorized Officer. The Purchaser will return all used load ticket books with woods receipts still attached to the BLM at the time new books are being issued. All unused and partial load ticket books, with receipts still attached, must be returned to the BLM upon completion of the contract and prior to final payment, or at the request of the Authorized Officer.
9. The Purchaser must account for all load receipts from each load ticket book. For all load receipts not accounted for, the Contracting Officer, at their sole discretion, will determine if the receipts are void or if the Purchaser shall pay damages for lost products. The value of lost products shall be equal to the highest value load for the month in which the receipt is lost. If no loads have been hauled in that month, value will be determined from the closest month in which loads were hauled. In the event a load receipt or load ticket book is lost or stolen, the Purchaser must immediately notify the Authorized Officer, and provide a complete explanation.
10. The Purchaser shall furnish BLM a map showing the route which shall be used to haul loads from the timber sale area to the log scaling/weighing location. Upon loading timber or other wood products in the contract area, all loads shall be hauled directly to the authorized scaling or weighing location as stated on the load receipt. The route of haul may be changed only with advance notice to and approval by BLM.
11. The Purchaser shall notify the Authorized Officer and receive advance authorization if any loads will arrive at an authorized scaling or weighing locations outside of their normal operating hours. No loads will be left on the truck for overnight storage without advance permission from the Authorized Officer.
12. If scaling or weighing services are unavailable, delayed or interrupted for any reason, hauling operations will cease immediately until services resume or an alternate scaling or weighing location is approved by the Authorized Officer.

13. Any removal of wood products from loaded trucks before being accounted for as required by the contract shall be considered a trespass and render the Purchaser liable for damages under applicable law in accordance with Section 13 of the contract. Any payment made for purchase of such loads shall be deducted from amount due because of trespass.

**VII. Total Estimated Purchase Price** – For administrative purposes, the following will be used for determining (1) when payments are due and (2) the value of timber or other wood products subject to any special bonding provisions in accordance with Section 3(f) of the contract.

1. When payments are made under Section 3 of the contract, the Authorized Officer shall determine the value of removed timber and other wood products using the Government's records of log scale and/or weight volumes removed from the contract area.
2. The estimated value of timber and other wood products not yet removed from the contract area will be determined by subtracting the Government's records for value of removed timber and other wood products from the estimated total purchase price as shown in the table below. The estimated Total Purchase price is calculated by multiplying the estimated volume or weight for all species/products, listed below, by the bid prices in Section 1.

**Total Estimated Purchase Price for Timber and Other Wood Products**

<b>Species/Product</b>	<b>Estimated Volume (MBF or Tons)</b>	<b>Bid Price (\$/MBF or \$/Ton)</b>	<b>Estimated Value</b>
Douglas-fir	9,556 MBF	\$	\$
Western Hemlock	569 MBF	\$98.50	\$56,046.50
White Fir	249 MBF	\$57.30	\$14,267.70
Incense-Cedar	202 MBF	\$41.00	\$8,282.00
Sugar Pine	8 MBF	\$40.70	\$325.60
Ponderosa Pine	5 MBF	\$37.20	\$186.00
Biomass	2,500 Green Tons	\$3.00	\$7,500

**Total Estimated Purchase Price: \$**

## USDI - BUREAU OF LAND MANAGEMENT - OSO

**SCALING AUTHORIZATION**

(Scaling - Contract Information)

**(1) Original Registration ( X )****Amendment ( )****Cancellation ( )****(2) To:** \_\_\_\_\_**(9) Date Submitted:** \_\_\_\_\_**(3) From:** \_\_\_\_\_**(10) Scale:** East-side ( X )**(4) Logger:** \_\_\_\_\_**(11)** \_\_\_\_\_ State Branch

Registration #

**(5) Begin Haul Date:** \_\_\_\_\_**(12)** \_\_\_\_\_

Contract Scaler Brand Code #

**(6) Purchaser:** \_\_\_\_\_**(14) Brand****(7) Sale Name:** Take A Chance**(8) Contract #:** ORM07-TS-2025.0013**(13) Yellow Paint** Yes ( X ) No ( )**Scale Location and Estimated Loads Per Day**

<b>(15) Scale Location (Name)</b>	<b># of Loads</b>	<b>Yard</b>	<b>Truck</b>	<b>Remote Check Scaling Location</b>
1.				
2.				
3.				
4.				
5.				
6.				

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

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

**(19)** \_\_\_\_\_  
Purchaser Date

\_\_\_\_\_ Date  
BLM Representative

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## MEMORANDUM OF AGREEMENT FOR YARD SCALING

DISTRICT: Medford\_\_\_\_\_ AREA: \_Ashland\_\_\_\_\_

Scale Site Owner: \_\_\_\_\_

Scale Site Location: \_\_\_\_\_

Scale Site Authorized Representative/Phone #: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Timber Sale Name: \_Take A Chance

BLM Contract No.: \_ORM07-TS-2025.0013\_\_\_\_\_

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

\_\_\_\_\_

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

### 1. Scaler's Office

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

### 2. Safety

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

### 3. Log Accountability

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

### 4. Operations

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



the temporary deck.

e. Scaling under artificial lights will not be accepted.

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

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

5. **Maintenance**

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

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

6. **Miscellaneous Clauses**

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

IN WITNESS WHEREOF, the parties hereto have signed this Agreement this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

SCALE SITE OWNER: \_\_\_\_\_

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

TIMBER SALE PURCHASER: \_\_\_\_\_

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

BLM

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_ Contracting Officer

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Version: 8.0.0.32

Updated: 11/4/2022

**Summary of All Roads and Projects**

T.S. Contract Name: Take A Chance TS Tract No: 2025.0013 Sale Date: 09/18/25

Prepared by: EFreeman Ph: 471-6601 Print Date: 8/6/2025 2:03:31 PM

Construction: 66.43 sta

Improve: 28.89 sta Renov: 1800.47 sta Decom: 0.00 sta Temp: 55.14 sta

200 Clearing and Grubbing: 18.25 acres.....	\$106,638.48
300 Excavation: 16701 cy .....	\$78,977.91
Haul < 500 ft: 2170 sta-yds	
Haul > 500 ft: 93 yd-mi	
400 Drainage: .....	\$27,293.90
Culvert: 390.00 lf	DownSpout: 0.00 lf
PolyPipe: 0.00 lf	
500 Renovation: .....	\$58,217.30
Blading 21.82 mi	
700-1200 Surfacing: .....	\$587,949.22
Commercial Quarry Name: Commercial Source	8,424.00 LCY
Commercial Quarry Name: Commercial Source 2	4,644.00 LCY
Commercial Quarry Name: RipRap Source	30.00 LCY
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 4.45 acres .....	\$5,251.32
Includes Small Quantity Factor of 1.33	
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing: .....	\$57,890.20
Manual Brushing: 19.71 acres	
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$2,957.22
Mobilization: Const. \$7,193.45 Surf. \$2,675.15.....	\$9,868.60
Quarry Development: .....	\$0.00

**Total: 10,589 mbf @ \$88.303/mbf = \$935,044.16**

**Notes:**

Quantities shown are estimates only and not pay items.

Surfacing Quantities are loose cubic yards.

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# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 32-4-20.00 B-D2** Road Name: Starveout Creek Rd

Road Renovation: 4.04 mi 16 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$7,588.41
Blading 4.04 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):3.92 acres .....	\$11,993.02
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$281.64
Mobilization: Const. \$154.44 Surf. \$0.00.....	\$154.44
Quarry Development: .....	\$0.00

Total: \$20,017.51

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 32-4-20.00 B-D2 Road Name: Starveout Creek Rd

Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 4.04 \text{ mi} = \$3,795.10$   
Compaction:  $\$424.32/\text{mi} \times 4.04 \text{ mi} = \$1,714.25$   
Clean Culverts:  $\$514.62/\text{mi} \times 4.04 \text{ mi} = \$2,079.06$

Subtotal: \$7,588.41

Section 700-1200 Surfacing:

Surfacing:

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 3.92 \text{ acres} = \$7,570.62$

Chipping Roadside Brush

Brush Chipper 40 hr x  $\$110.56/\text{hr} = \$4,422.40$

Subtotal: \$11,993.02

Section 8000 Miscellaneous:

HPOC - BMPs at MP 0.37

Crew Cab or 3/4 Ton Pickup 1 hr x  $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr x  $\$57.54/\text{hr} = \$57.54$

HPOC - BMPs at MP 0.78

Crew Cab or 3/4 Ton Pickup 1 hr x  $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr x  $\$57.54/\text{hr} = \$57.54$

Subtotal: \$281.64

Mobilization:

Construction - 2.15% of total Costs = \$154.44

Subtotal: \$154.44

Total: \$20,017.51

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 32-4-33.01A1-A2** Road Name: Cedar Springs Mnt Rd

Road Renovation: 1.5 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.50 acres .....	\$4,254.38
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$4,882.84
Blading 1.50 mi	
700-1200 Surfacing: .....	\$50,654.40
Quarry Name: Commercial Source 1,384.00 LCY	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.50 acres .....	\$590.04
Includes Small Quantity Factor of 1.33	
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):1.50 acres .....	\$4,555.32
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$140.82
Mobilization: Const. \$505.99 Surf. \$282.67.....	\$788.66
Quarry Development: .....	\$0.00

Total: \$65,866.46

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

## Road Construction Worksheet

Road Number: 32-4-33.01A1-A2 Road Name: Cedar Springs Mnt Rd

### Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.25 = 4.17$

Base Cost/Acre:  $\$1,226.56 \times$  Adjustment Factor:  $4.17 \times$  Total Acres:  $0.50 = \$2,557.38$

RMU Clear and Grub

Excavator - Large (3 CY) 10 hr  $\times$   $\$169.70/\text{hr} = \$1,697.00$

Subtotal: \$4,254.38

### Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 1.50 \text{ mi} = \$1,409.07$

Scarification:  $\$1137.42/\text{mi} \times 0.50 \text{ mi} = \$568.71$

Compaction:  $\$424.32/\text{mi} \times 1.50 \text{ mi} = \$636.48$

Clean Culverts:  $\$514.62/\text{mi} \times 1.50 \text{ mi} = \$771.93$

RMU Road Repairs

Backhoe 5 hr  $\times$   $\$111.88/\text{hr} = \$559.40$

Motor Grader 14M 5 hr  $\times$   $\$187.45/\text{hr} = \$937.25$

Subtotal: \$4,882.84

### Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
1.00mi	14ft	14ft	4in	10%	4	10ft	50ft	25ft	

Rock Volume = 1,384.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 1,384.00 \text{ LCY} = \$26,296.00$

Processing:  $\$1.22/\text{LCY} \times 1,384.00 \text{ LCY} = \$1,688.48$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 1,384.00 \text{ LCY} = \$138.40$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 1,384.00 \text{ LCY} = \$1,176.40$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 1,384.00 \text{ LCY} \times 5.00 \text{ mi} = \$17,715.20$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 1,384.00 \text{ LCY} = \$1,148.72$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 1,384.00 \text{ LCY} \times 5.00 \text{ mi} = \$2,491.20$

Subtotal: \$50,654.40

### Section 1800 Soil Stabilization:

Dry Method with Mulch:  $\$728.07/\text{acre} \times 0.50 \text{ acres} = \$364.04$

Includes Small Quantity Factor of 1.33

+ Seed Cost:  $\$132.00/\text{acre} \times 0.50 \text{ acres} = \$66.00$

+ Mulch Cost:  $\$320.00/\text{acre} \times 0.50 \text{ acres} = \$160.00$

Subtotal: \$590.04

### Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 1.50 \text{ acres} = \$2,896.92$

Chipping Roadside Brush

Brush Chipper 15 hr  $\times$   $\$110.56/\text{hr} = \$1,658.40$

Subtotal: \$4,555.32

### Section 8000 Miscellaneous:

HPOC - BMPs at MP 0.04

Crew Cab or 3/4 Ton Pickup 1 hr  $\times$   $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr  $\times$   $\$57.54/\text{hr} = \$57.54$

Subtotal: \$140.82



Road Number: 32-4-33.01A1-A2 Cedar Springs Mnt Rd Continued

Mobilization:

Construction - 7.03% of total Costs = \$505.99

Surfacing - 10.57% by rock volume = \$282.67

Subtotal: \$788.66

Total: \$65,866.46

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# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-03.00A1-A2** Road Name: Waggoner Sp

Road Renovation: 0.56 mi 16 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$2,889.01
Blading 0.56 mi	
700-1200 Surfacing: .....	\$30,343.04
Quarry Name: Commercial Source 242.00 LCY	
Quarry Name: Commercial Source 2 585.00 LCY	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.54 acres .....	\$1,706.25
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$271.65 Surf. \$168.91.....	\$440.56
Quarry Development: .....	\$0.00

Total: \$35,378.86

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-03.00A1-A2 Road Name: Waggoner Sp

Section 500 Renovation:

Scarification: \$1137.42/mi x 0.56 mi = \$636.96

Blading w/o Ditches: \$568.71/mi x 0.56 mi = \$318.48

Compaction: \$424.32/mi x 0.56 mi = \$237.62

Heavy renovation blading

Tractor: D5 with winch 12 hr x \$141.33/hr = \$1,695.96

Subtotal: \$2,889.01

Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.19mi	14ft	14ft	4in	5%					

Rock Volume = 242.00 LCY

Purchase Price / Royalty: \$19.00/LCY x 242.00 LCY = \$4,598.00

Processing: \$1.22/LCY x 242.00 LCY = \$295.24

T11 & T27 Testing: \$0.10/LCY x 242.00 LCY = \$24.20

Basic Rock Haul cost: \$0.85/LCY x 242.00 LCY = \$205.70

Rock Haul +15% grades: \$2.56/LCY-mi x 242.00 LCY x 6.00 mi= \$3,717.12

Basic Water Haul cost: \$0.83/LCY x 242.00 LCY = \$200.86

Water Haul +15% grades: \$0.36/LCY-mi x 242.00 LCY x 6.00 mi= \$522.72

Commercial Quarry Name: Commercial Source 2

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.19mi	15ft	16ft	8in	5%	2	10ft	50ft	25ft	

Rock Volume = 585.00 LCY

Purchase Price / Royalty: \$15.00/LCY x 585.00 LCY = \$8,775.00

Processing: \$1.22/LCY x 585.00 LCY = \$713.70

T11 & T27 Testing: \$0.10/LCY x 585.00 LCY = \$58.50

Basic Rock Haul cost: \$0.85/LCY x 585.00 LCY = \$497.25

Rock Haul +15% grades: \$2.56/LCY-mi x 585.00 LCY x 6.00 mi= \$8,985.60

Basic Water Haul cost: \$0.83/LCY x 585.00 LCY = \$485.55

Water Haul +15% grades: \$0.36/LCY-mi x 585.00 LCY x 6.00 mi= \$1,263.60

Subtotal: \$30,343.04

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy: \$1931.28/acre x 0.54 acres = \$1,042.89

Chipping Roadside Brush

Brush Chipper 6 hr x \$110.56/hr = \$663.36

Subtotal: \$1,706.25

Mobilization:

Construction - 3.78% of total Costs = \$271.65

Surfacing - 6.31% by rock volume = \$168.91

Subtotal: \$440.56

Total: \$35,378.86

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-03.01 A-B** Road Name: Sec 3 East Sp

Road Renovation: 0.97 mi 14 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.45 acres .....	\$3,319.84
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$2,220.07
Blading 0.97 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.45 acres .....	\$531.03
Includes Small Quantity Factor of 1.33	
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.94 acres .....	\$2,921.00
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$140.82
Mobilization: Const. \$71.01 Surf. \$0.00.....	\$71.01
Quarry Development: .....	\$0.00

Total: \$9,203.77

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-03.01 A-B Road Name: Sec 3 East Sp

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.25 = 4.17$

Base Cost/Acre:  $\$1,226.56 \times$  Adjustment Factor:  $4.17 \times$  Total Acres:  $0.45 = \$2,301.64$

RMU Clear and Grub

Excavator - Large (3 CY) 6 hr  $\times$   $\$169.70/\text{hr} = \$1,018.20$

Subtotal: \$3,319.84

Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 0.97 \text{ mi} = \$911.20$

Scarification:  $\$1137.42/\text{mi} \times 0.35 \text{ mi} = \$398.10$

Compaction:  $\$424.32/\text{mi} \times 0.97 \text{ mi} = \$411.59$

Clean Culverts:  $\$514.62/\text{mi} \times 0.97 \text{ mi} = \$499.18$

Subtotal: \$2,220.07

Section 700-1200 Surfacing:

Surfacing:

Section 1800 Soil Stabilization:

Dry Method with Mulch:  $\$728.07/\text{acre} \times 0.45 \text{ acres} = \$327.63$

Includes Small Quantity Factor of 1.33

+ Seed Cost:  $\$132.00/\text{acre} \times 0.45 \text{ acres} = \$59.40$

+ Mulch Cost:  $\$320.00/\text{acre} \times 0.45 \text{ acres} = \$144.00$

Subtotal: \$531.03

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 0.94 \text{ acres} = \$1,815.40$

Chipping Roadside Brush

Brush Chipper 10 hr  $\times$   $\$110.56/\text{hr} = \$1,105.60$

Subtotal: \$2,921.00

Section 8000 Miscellaneous:

HPOC - BMPs at MP 0.18

Crew Cab or 3/4 Ton Pickup 1 hr  $\times$   $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr  $\times$   $\$57.54/\text{hr} = \$57.54$

Subtotal: \$140.82

Mobilization:

Construction - 0.99% of total Costs =  $\$71.01$

Subtotal: \$71.01

Total: \$9,203.77

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-03.07 A-C** Road Name: Last Chance Crk S

Road Renovation: 1.57 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.55 acres ..... \$3,831.32

300 Excavation: ..... \$0.00

400 Drainage: ..... \$8,381.01

Culvert: 120.00 lf

DownSpout: 0.00 lf

PolyPipe: 0.00 lf

500 Renovation: ..... \$6,141.80

Blading 1.57 mi

700-1200 Surfacing: ..... \$3,409.50

Quarry Name: Commercial Source 60.00 LCY

Quarry Name: RipRap Source 30.00 LCY

1300 Geotextiles: ..... \$0.00

1400 Slope Protection: ..... \$0.00

1800 Soil Stabilization: 0.55 acres ..... \$649.04

Includes Small Quantity Factor of 1.33

1900 Cattleguards: ..... \$0.00

2100 RoadSide Brushing (Manual):1.52 acres ..... \$4,704.51

2300 Engineering: 0.00 sta. .... \$0.00

2400 Minor Concrete: ..... \$0.00

2500 Gabions: ..... \$0.00

8000 Miscellaneous: ..... \$140.82

Mobilization: Const. \$211.94 Surf. \$18.38..... \$230.32

Quarry Development: ..... \$0.00

Total: \$27,488.31

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

## Road Construction Worksheet

Road Number: 33-4-03.07 A-C Road Name: Last Chance Crk S

### Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.25 = 4.17$

Base Cost/Acre:  $\$1,226.56 \times \text{Adjustment Factor: } 4.17 \times \text{Total Acres: } 0.55 = \$2,813.12$

RMU Clear and Grub

Excavator - Large (3 CY) 6 hr x  $\$169.70/\text{hr} = \$1,018.20$

Subtotal: \$3,831.32

### Section 400 Drainage:

Aluminized MP 1.27 24 inch 16 ga 40 lf x  $\$64.28/\text{lf} = \$2,571.20$

Aluminized MP 1.34 24 inch 16 ga 40 lf x  $\$64.28/\text{lf} = \$2,571.20$

Aluminized MP 1.49 24 inch 16 ga 40 lf x  $\$64.28/\text{lf} = \$2,571.20$

Splash Pads 3 ea x  $\$222.47/\text{ea} = \$667.41$

Subtotal: \$8,381.01

### Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 1.57 \text{ mi} = \$1,474.83$

Scarification:  $\$1137.42/\text{mi} \times 1.57 \text{ mi} = \$1,785.75$

Compaction:  $\$424.32/\text{mi} \times 1.57 \text{ mi} = \$666.18$

Clean Culverts:  $\$514.62/\text{mi} \times 1.57 \text{ mi} = \$807.95$

RMU Road Repairs

Backhoe 3 hr x  $\$111.88/\text{hr} = \$335.64$

Motor Grader 14M 3 hr x  $\$187.45/\text{hr} = \$562.35$

Repair Fill-slope MP 0.74

Excavator - Large (3 CY) 3 hr x  $\$169.70/\text{hr} = \$509.10$

Subtotal: \$6,141.80

### Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

Comment: 20 CYs at 3 CMP sites

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
									60 LCY

Rock Volume = 60.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 60.00 \text{ LCY} = \$1,140.00$

Processing:  $\$1.22/\text{LCY} \times 60.00 \text{ LCY} = \$73.20$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 60.00 \text{ LCY} = \$6.00$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 60.00 \text{ LCY} = \$51.00$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 60.00 \text{ LCY} \times 7.00 \text{ mi} = \$1,075.20$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 60.00 \text{ LCY} = \$49.80$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 60.00 \text{ LCY} \times 7.00 \text{ mi} = \$151.20$

Commercial Quarry Name: RipRap Source

Comment: Fill-slope repair at MP 0.74

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
									30 LCY

Rock Volume = 30.00 LCY

Purchase Price / Royalty:  $\$10.00/\text{LCY} \times 30.00 \text{ LCY} = \$300.00$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 30.00 \text{ LCY} = \$25.50$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 30.00 \text{ LCY} \times 7.00 \text{ mi} = \$537.60$

Subtotal: \$3,409.50

### Section 1800 Soil Stabilization:

Dry Method with Mulch:  $\$728.07/\text{acre} \times 0.55 \text{ acres} = \$400.44$

Includes Small Quantity Factor of 1.33

+ Seed Cost:  $\$132.00/\text{acre} \times 0.55 \text{ acres} = \$72.60$

+ Mulch Cost:  $\$320.00/\text{acre} \times 0.55 \text{ acres} = \$176.00$



Road Number: 33-4-03.07 A-C Last Chance Crk S Continued

Subtotal: \$649.04

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 1.52 \text{ acres} = \$2,935.55$

Chipping Roadside Brush

Brush Chipper 16 hr  $\times \$110.56/\text{hr} = \$1,768.96$

Subtotal: \$4,704.51

Section 8000 Miscellaneous:

HPOC - BMPs at MP 0.71

Crew Cab or 3/4 Ton Pickup 1 hr  $\times \$83.28/\text{hr} = \$83.28$

General Laborer 1 hr  $\times \$57.54/\text{hr} = \$57.54$

Subtotal: \$140.82

Mobilization:

Construction - 2.95% of total Costs = \$211.94

Surfacing - 0.69% by rock volume = \$18.38

Subtotal: \$230.32

Total: \$27,488.31

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# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-03.08** Road Name: Sec 3 Powerline Rd

Road Renovation: 0.05 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$671.84
Blading 0.05 mi	
700-1200 Surfacing: .....	\$7,020.32
Quarry Name: Commercial Source 59.00 LCY	
Quarry Name: Commercial Source 2 132.00 LCY	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.05 acres .....	\$207.12
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$61.42 Surf. \$39.01.....	\$100.43
Quarry Development: .....	\$0.00

Total: \$7,999.72

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-03.08 Road Name: Sec 3 Powerline Rd

Section 500 Renovation:

Scarification: \$1137.42/mi x 0.05 mi = \$56.87

Blading w/o Ditches: \$568.71/mi x 0.05 mi = \$28.44

Compaction: \$424.32/mi x 0.05 mi = \$21.22

Heavy Renovation Blading

Tractor: D5 with winch 4 hr x \$141.33/hr = \$565.32

Subtotal: \$671.84

Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.05mi	13ft	13ft	4in	5%					

Rock Volume = 59.00 LCY

Purchase Price / Royalty: \$19.00/LCY x 59.00 LCY = \$1,121.00

Processing: \$1.22/LCY x 59.00 LCY = \$71.98

T11 & T27 Testing: \$0.10/LCY x 59.00 LCY = \$5.90

Basic Rock Haul cost: \$0.85/LCY x 59.00 LCY = \$50.15

Rock Haul +15% grades: \$2.56/LCY-mi x 59.00 LCY x 6.00 mi= \$906.24

Basic Water Haul cost: \$0.83/LCY x 59.00 LCY = \$48.97

Water Haul +15% grades: \$0.36/LCY-mi x 59.00 LCY x 6.00 mi= \$127.44

Commercial Quarry Name: Commercial Source 2

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.05mi	14ft	15ft	8in	5%					

Rock Volume = 132.00 LCY

Purchase Price / Royalty: \$15.00/LCY x 132.00 LCY = \$1,980.00

Processing: \$1.22/LCY x 132.00 LCY = \$161.04

T11 & T27 Testing: \$0.10/LCY x 132.00 LCY = \$13.20

Basic Rock Haul cost: \$0.85/LCY x 132.00 LCY = \$112.20

Rock Haul +15% grades: \$2.56/LCY-mi x 132.00 LCY x 6.00 mi= \$2,027.52

Basic Water Haul cost: \$0.83/LCY x 132.00 LCY = \$109.56

Water Haul +15% grades: \$0.36/LCY-mi x 132.00 LCY x 6.00 mi= \$285.12

Subtotal: \$7,020.32

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy: \$1931.28/acre x 0.05 acres = \$96.56

Chipping Roadside Brush

Brush Chipper 1 hr x \$110.56/hr = \$110.56

Subtotal: \$207.12

Mobilization:

Construction - 0.85% of total Costs = \$61.42

Surfacing - 1.46% by rock volume = \$39.01

Subtotal: \$100.43

Total: \$7,999.72

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-03.09 (N)** Road Name: Upper Grave Overlook

Road Construction: 0.28 mi 16 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 1.55 acres ..... \$7,832.81

300 Excavation: Standard cy ..... \$15,787.06

Haul < 500 ft: 466.00 sta-yds

Haul > 500 ft: 15.00 yd-mi

400 Drainage: ..... \$5,587.34

Culvert: 80.00 lf

DownSpout: 0.00 lf

PolyPipe: 0.00 lf

500 Renovation: ..... \$381.84

Blading 0.28 mi

700-1200 Surfacing: ..... \$49,375.36

Quarry Name: Commercial Source 389.00 LCY

Quarry Name: Commercial Source 2 855.00 LCY

1300 Geotextiles: ..... \$0.00

1400 Slope Protection: ..... \$0.00

1800 Soil Stabilization: 0.00 acres ..... \$0.00

1900 Cattleguards: ..... \$0.00

2100 RoadSide Brushing (NONE):0.00 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. \$613.97 Surf. \$254.08..... \$868.04

Quarry Development: ..... \$0.00

Total: \$79,832.45

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

## Road Construction Worksheet

Road Number: 33-4-03.09 (N) Road Name: Upper Grave Overlook

### Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

Pile and Burn (Slash): Adjustment Factor (1.28)

20-40' (Avg Clearing Widths): Adjustment Factor (0.1)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0.1 = 4.12$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.12 x Total Acres: 1.55 = \$7,832.81  
Subtotal: \$7,832.81

### Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 3,046.00 \text{ cy} = \$8,193.74$

Excavation - Rippable:  $\$5.35/\text{cy} \times 338.00 \text{ cy} = \$1,808.30$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 2,697.00 \text{ cy} = \$1,078.80$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 14.8 \text{ sta} = \$522.27$

Slope Rounding:  $\$0.40/\text{lf} \times 1,477.00 \text{ lf} = \$590.80$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 2,697.00 \text{ cy} = \$3,182.46$

End Hauling - 100 to 500 ft:  $\$0.21/\text{sta-yd} \times 466.00 \text{ sta-yd} = \$97.86$

End Hauling > 500 ft and 10 mph:  $\$2.58/\text{yd-mi} \times 15.00 \text{ yd-mi} = \$38.70$

Blading with ditch:  $\$18.56/\text{station} \times 14.77 \text{ stations} = \$274.13$

Subtotal: \$15,787.06

### Section 400 Drainage:

Aluminized STA 13+20 24 inch 16 ga 42 lf x  $\$64.28/\text{lf} = \$2,699.76$

Aluminized STA 7+80 24 inch 16 ga 38 lf x  $\$64.28/\text{lf} = \$2,442.64$

Splash Pads 2 ea x  $\$222.47/\text{ea} = \$444.94$

Subtotal: \$5,587.34

### Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 0.28 \text{ mi} = \$263.03$

Compaction:  $\$424.32/\text{mi} \times 0.28 \text{ mi} = \$118.81$

Subtotal: \$381.84

### Section 700-1200 Surfacing:

#### Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.28mi	14ft	14ft	4in	5%	2	10ft	75ft	25ft	

Rock Volume = 389.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 389.00 \text{ LCY} = \$7,391.00$

Processing:  $\$1.22/\text{LCY} \times 389.00 \text{ LCY} = \$474.58$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 389.00 \text{ LCY} = \$38.90$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 389.00 \text{ LCY} = \$330.65$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 389.00 \text{ LCY} \times 7.00 \text{ mi} = \$6,970.88$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 389.00 \text{ LCY} = \$322.87$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 389.00 \text{ LCY} \times 7.00 \text{ mi} = \$980.28$

#### Commercial Quarry Name: Commercial Source 2

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.28mi	15ft	16ft	8in	5%	2	10ft	75ft	25ft	

Rock Volume = 855.00 LCY

Purchase Price / Royalty:  $\$15.00/\text{LCY} \times 855.00 \text{ LCY} = \$12,825.00$

Processing:  $\$1.22/\text{LCY} \times 855.00 \text{ LCY} = \$1,043.10$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 855.00 \text{ LCY} = \$85.50$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 855.00 \text{ LCY} = \$726.75$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 855.00 \text{ LCY} \times 7.00 \text{ mi} = \$15,321.60$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 855.00 \text{ LCY} = \$709.65$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 855.00 \text{ LCY} \times 7.00 \text{ mi} = \$2,154.60$

Subtotal: \$49,375.36

Road Number: 33-4-03.09 (N) Upper Grave Overlook Continued

Mobilization:

Construction - 8.54% of total Costs = \$613.97

Surfacing - 9.50% by rock volume = \$254.08

Subtotal: \$868.04

Total: \$79,832.45

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# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-03.10 (N)** Road Name: Last Grave Ridge

Road Construction: 0.13 mi 16 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.75 acres ..... \$3,698.08

300 Excavation: Standard cy ..... \$4,372.80

Haul < 500 ft: 350.00 sta-yds

Haul > 500 ft: 11.00 yd-mi

400 Drainage: ..... \$2,793.67

Culvert: 40.00 lf

DownSpout: 0.00 lf

PolyPipe: 0.00 lf

500 Renovation: ..... \$177.28

Blading 0.13 mi

700-1200 Surfacing: ..... \$21,842.88

Quarry Name: Commercial Source 186.00 LCY

Quarry Name: Commercial Source 2 408.00 LCY

1300 Geotextiles: ..... \$0.00

1400 Slope Protection: ..... \$0.00

1800 Soil Stabilization: 0.00 acres ..... \$0.00

1900 Cattleguards: ..... \$0.00

2100 RoadSide Brushing (NONE):0.00 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. \$255.69 Surf. \$121.32..... \$377.01

Quarry Development: ..... \$0.00

Total: \$33,261.72

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

## Road Construction Worksheet

Road Number: 33-4-03.10 (N) Road Name: Last Grave Ridge

### Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

Pile and Burn (Slash): Adjustment Factor (1.28)

greater than 40' (Avg Clearing Widths): Adjustment Factor (0)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0 = 4.02$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.02 x Total Acres: 0.75 = \$3,698.08

Subtotal: \$3,698.08

### Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 760.00 \text{ cy} = \$2,044.40$

Excavation - Rippable:  $\$5.35/\text{cy} \times 85.00 \text{ cy} = \$454.75$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 713.00 \text{ cy} = \$285.20$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 6.9 \text{ sta} = \$242.92$

Slope Rounding:  $\$0.40/\text{lf} \times 687.00 \text{ lf} = \$274.80$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 713.00 \text{ cy} = \$841.34$

End Hauling - 100 to 500 ft:  $\$0.21/\text{sta-yd} \times 350.00 \text{ sta-yd} = \$73.50$

End Hauling > 500 ft and 10 mph:  $\$2.58/\text{yd-mi} \times 11.00 \text{ yd-mi} = \$28.38$

Blading with ditch:  $\$18.56/\text{station} \times 6.87 \text{ stations} = \$127.51$

Subtotal: \$4,372.80

### Section 400 Drainage:

Aluminized STA 5+65

24 inch 16 ga 40 lf x  $\$64.28/\text{lf} = \$2,571.20$

Splash Pads

1 ea x  $\$222.47/\text{ea} = \$222.47$

Subtotal: \$2,793.67

### Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 0.13 \text{ mi} = \$122.12$

Compaction:  $\$424.32/\text{mi} \times 0.13 \text{ mi} = \$55.16$

Subtotal: \$177.28

### Section 700-1200 Surfacing:

#### Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.13mi	14ft	14ft	4in	5%	1	10ft	100ft	25ft	

Rock Volume = 186.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 186.00 \text{ LCY} = \$3,534.00$

Processing:  $\$1.22/\text{LCY} \times 186.00 \text{ LCY} = \$226.92$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 186.00 \text{ LCY} = \$18.60$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 186.00 \text{ LCY} = \$158.10$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 186.00 \text{ LCY} \times 6.00 \text{ mi} = \$2,856.96$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 186.00 \text{ LCY} = \$154.38$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 186.00 \text{ LCY} \times 6.00 \text{ mi} = \$401.76$

#### Commercial Quarry Name: Commercial Source 2

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.13mi	15ft	16ft	8in	5%	1	10ft	100ft	25ft	

Rock Volume = 408.00 LCY

Purchase Price / Royalty:  $\$15.00/\text{LCY} \times 408.00 \text{ LCY} = \$6,120.00$

Processing:  $\$1.22/\text{LCY} \times 408.00 \text{ LCY} = \$497.76$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 408.00 \text{ LCY} = \$40.80$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 408.00 \text{ LCY} = \$346.80$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 408.00 \text{ LCY} \times 6.00 \text{ mi} = \$6,266.88$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 408.00 \text{ LCY} = \$338.64$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 408.00 \text{ LCY} \times 6.00 \text{ mi} = \$881.28$

Subtotal: \$21,842.88

Road Number: 33-4-03.10 (N) Last Grave Ridge Continued

Mobilization:

Construction - 3.55% of total Costs = \$255.69

Surfacing - 4.54% by rock volume = \$121.32

Subtotal: \$377.01

Total: \$33,261.72

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# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-09.02** Road Name: Boulder Creek Sp

Road Renovation: 0.38 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.10 acres .....	\$850.88
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$1,126.83
Blading 0.38 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.37 acres .....	\$1,156.81
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$24.37 Surf. \$0.00.....	\$24.37
Quarry Development: .....	\$0.00
Total:	\$3,158.89

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-09.02 Road Name: Boulder Creek Sp

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.25 = 4.17$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.17 x Total Acres: 0.10 = \$511.48

RMU Clear and Grub

Excavator - Large (3 CY) 2 hr x \$169.70/hr = \$339.40

Subtotal: \$850.88

Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 0.38 \text{ mi} = \$356.96$

Scarification:  $\$1137.42/\text{mi} \times 0.10 \text{ mi} = \$113.74$

Compaction:  $\$424.32/\text{mi} \times 0.38 \text{ mi} = \$161.24$

Clean Culverts:  $\$514.62/\text{mi} \times 0.38 \text{ mi} = \$195.56$

RMU Road Repairs

Backhoe 1 hr x \$111.88/hr = \$111.88

Motor Grader 14M 1 hr x \$187.45/hr = \$187.45

Subtotal: \$1,126.83

Section 700-1200 Surfacing:

Surfacing:

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 0.37 \text{ acres} = \$714.57$

Chipping Roadside Brush

Brush Chipper 4 hr x \$110.56/hr = \$442.24

Subtotal: \$1,156.81

Mobilization:

Construction - 0.34% of total Costs = \$24.37

Subtotal: \$24.37

Total: \$3,158.89

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-10.01 A** Road Name: Grave Chance Sp

Road Renovation: 0.68 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$1,448.71
Blading 0.68 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.66 acres .....	\$2,048.56
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$27.19 Surf. \$0.00.....	\$27.19
Quarry Development: .....	\$0.00
Total:	\$3,524.46

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-10.01 A Road Name: Grave Chance Sp

Section 500 Renovation:

Scarification:  $\$1137.42/\text{mi} \times 0.68 \text{ mi} = \$773.45$

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.68 \text{ mi} = \$386.72$

Compaction:  $\$424.32/\text{mi} \times 0.68 \text{ mi} = \$288.54$

Subtotal: \$1,448.71

Section 700-1200 Surfacing:

Surfacing:

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 0.66 \text{ acres} = \$1,274.64$

Chipping Roadside Brush

Brush Chipper 7 hr x  $\$110.56/\text{hr} = \$773.92$

Subtotal: \$2,048.56

Mobilization:

Construction - 0.38% of total Costs = \$27.19

Subtotal: \$27.19

Total: \$3,524.46



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-10.01B (N)** Road Name: Grave Chance Sp

Road Construction: 0.23 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 1.95 acres ..... \$9,615.00

300 Excavation: Standard cy ..... \$12,127.40

Haul < 500 ft: 402.00 sta-yds

Haul > 500 ft: 18.00 yd-mi

400 Drainage: ..... \$0.00

Culvert: 0.00 lf

DownSpout: 0.00 lf

PolyPipe: 0.00 lf

500 Renovation: ..... \$228.40

Blading 0.23 mi

700-1200 Surfacing: ..... \$0.00

1300 Geotextiles: ..... \$0.00

1400 Slope Protection: ..... \$0.00

1800 Soil Stabilization: 0.00 acres ..... \$0.00

1900 Cattleguards: ..... \$0.00

2100 RoadSide Brushing (NONE):0.00 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. \$170.83 Surf. \$0.00..... \$170.83

Quarry Development: ..... \$0.00

Total: \$22,141.63

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-10.01B (N) Road Name: Grave Chance Sp

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

Pile and Burn (Slash): Adjustment Factor (1.28)

greater than 40' (Avg Clearing Widths): Adjustment Factor (0)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0 = 4.02$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.02 x Total Acres: 1.95 = \$9,615.00

Subtotal: \$9,615.00

Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 2,687.00 \text{ cy} = \$7,228.03$

Excavation - Rippable:  $\$5.35/\text{cy} \times 299.00 \text{ cy} = \$1,599.65$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 1,316.00 \text{ cy} = \$526.40$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 12.0 \text{ sta} = \$423.61$

Slope Rounding:  $\$0.40/\text{lf} \times 1,198.00 \text{ lf} = \$479.20$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 1,316.00 \text{ cy} = \$1,552.88$

End Hauling - 100 to 500 ft:  $\$0.21/\text{sta-yd} \times 402.00 \text{ sta-yd} = \$84.42$

End Hauling > 500 ft and 10 mph:  $\$2.58/\text{yd-mi} \times 18.00 \text{ yd-mi} = \$46.44$

Blading without ditch:  $\$15.59/\text{station} \times 11.98 \text{ stations} = \$186.77$

Subtotal: \$12,127.40

Section 500 Renovation:

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.23 \text{ mi} = \$130.80$

Compaction:  $\$424.32/\text{mi} \times 0.23 \text{ mi} = \$97.59$

Subtotal: \$228.40

Section 700-1200 Surfacing:

Surfacing:

Mobilization:

Construction - 2.37% of total Costs = \$170.83

Subtotal: \$170.83

Total: \$22,141.63

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-10.01C (R)** Road Name: Grave Chance Sp

Road Improvement: 0.25 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 1.25 acres .....	\$6,163.46
300 Excavation: Standard cy .....	\$4,385.96
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$1,008.28
Blading 0.25 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (NONE):0.00 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. \$89.86 Surf. \$0.00.....	\$89.86
Quarry Development: .....	\$0.00

Total: \$11,647.57

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-10.01C (R) Road Name: Grave Chance Sp

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

File and Burn (Slash): Adjustment Factor (1.28)

20-40' (Avg Clearing Widths): Adjustment Factor (0.1)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.1 = 4.02$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.02 x Total Acres: 1.25 = \$6,163.46

Subtotal: \$6,163.46

Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 746.00 \text{ cy} = \$2,006.74$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 746.00 \text{ cy} = \$298.40$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 13.2 \text{ sta} = \$466.75$

Slope Rounding:  $\$0.40/\text{lf} \times 1,320.00 \text{ lf} = \$528.00$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 746.00 \text{ cy} = \$880.28$

Blading without ditch:  $\$15.59/\text{station} \times 13.20 \text{ stations} = \$205.79$

Subtotal: \$4,385.96

Section 500 Renovation:

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.25 \text{ mi} = \$142.18$

Compaction:  $\$424.32/\text{mi} \times 0.25 \text{ mi} = \$106.08$

Heavy Blading

Tractor: D7 with rippers 3 hr x  $\$253.34/\text{hr} = \$760.02$

Subtotal: \$1,008.28

Section 700-1200 Surfacing:

Surfacing:

Mobilization:

Construction - 1.25% of total Costs = \$89.86

Subtotal: \$89.86

Total: \$11,647.57

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.00 A-B2** Road Name: Last Chance Creek Rd

Road Renovation: 3 mi 16 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.45 acres .....	\$2,980.44
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$7,346.93
Blading 3.00 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.45 acres .....	\$531.03
Includes Small Quantity Factor of 1.33	
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):3.00 acres .....	\$6,213.72
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$985.74
Mobilization: Const. \$140.40 Surf. \$0.00.....	\$140.40
Quarry Development: .....	\$0.00

Total: \$18,198.27

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-15.00 A-B2 Road Name: Last Chance Creek Rd

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.25 = 4.17$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.17 x Total Acres: 0.45 = \$2,301.64

RMU Clear and Grub

Excavator - Large (3 CY) 4 hr x \$169.70/hr = \$678.80

Subtotal: \$2,980.44

Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 3.00 \text{ mi} = \$2,818.14$

Scarification:  $\$1137.42/\text{mi} \times 0.50 \text{ mi} = \$568.71$

Compaction:  $\$424.32/\text{mi} \times 3.00 \text{ mi} = \$1,272.96$

Clean Culverts:  $\$514.62/\text{mi} \times 3.00 \text{ mi} = \$1,543.86$

RMU Road Repairs

Backhoe 2 hr x \$111.88/hr = \$223.76

Motor Grader 14M 2 hr x \$187.45/hr = \$374.90

Grade Truck Turnaround MP 1.69

Motor Grader 14M 2 hr x \$187.45/hr = \$374.90

Excavator - Large (3 CY) 1 hr x \$169.70/hr = \$169.70

Subtotal: \$7,346.93

Section 700-1200 Surfacing:

Surfacing:

Section 1800 Soil Stabilization:

Dry Method with Mulch:  $\$728.07/\text{acre} \times 0.45 \text{ acres} = \$327.63$

Includes Small Quantity Factor of 1.33

+ Seed Cost:  $\$132.00/\text{acre} \times 0.45 \text{ acres} = \$59.40$

+ Mulch Cost:  $\$320.00/\text{acre} \times 0.45 \text{ acres} = \$144.00$

Subtotal: \$531.03

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Medium:  $\$965.64/\text{acre} \times 3.00 \text{ acres} = \$2,896.92$

Chipping Roadside Brush

Brush Chipper 30 hr x \$110.56/hr = \$3,316.80

Subtotal: \$6,213.72

Section 8000 Miscellaneous:

HPOC - BMPs at MP 0.45

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

HPOC - BMPs at MP 1.04

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

HPOC - BMPs at MP 1.14

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

HPOC - BMPs at MP 1.36

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

HPOC - BMPs at MP 1.86

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

HPOC - BMPs at MP 2.13

Road Number: 33-4-15.00 A-B2 Last Chance Creek Rd Continued

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

HPOC - BMPs at MP 2.21

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

Subtotal: \$985.74

Mobilization:

Construction - 1.95% of total Costs = \$140.40

Subtotal: \$140.40

Total: \$18,198.27

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# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.01 A-C** Road Name: Boulder Creek

Road Renovation: 3.04 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.95 acres .....	\$7,234.82
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$7,497.68
Blading 3.04 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.95 acres .....	\$1,121.07
Includes Small Quantity Factor of 1.33	
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):2.95 acres .....	\$9,014.08
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$563.28
Mobilization: Const. \$197.73 Surf. \$0.00.....	\$197.73
Quarry Development: .....	\$0.00

Total: \$25,628.65

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-15.01 A-C Road Name: Boulder Creek

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.25 = 4.17$

Base Cost/Acre:  $\$1,226.56 \times$  Adjustment Factor:  $4.17 \times$  Total Acres:  $0.95 = \$4,859.02$

RMU Clear and Grub

Excavator - Large (3 CY) 14 hr  $\times$   $\$169.70/\text{hr} = \$2,375.80$

Subtotal: \$7,234.82

Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 2.05 \text{ mi} = \$1,925.73$

Scarification:  $\$1137.42/\text{mi} \times 0.50 \text{ mi} = \$568.71$

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.99 \text{ mi} = \$563.02$

Compaction:  $\$424.32/\text{mi} \times 3.04 \text{ mi} = \$1,289.93$

Clean Culverts:  $\$514.62/\text{mi} \times 2.05 \text{ mi} = \$1,054.97$

RMU Road Repairs

Backhoe 7 hr  $\times$   $\$111.88/\text{hr} = \$783.16$

Motor Grader 14M 7 hr  $\times$   $\$187.45/\text{hr} = \$1,312.15$

Subtotal: \$7,497.68

Section 700-1200 Surfacing:

Surfacing:

Section 1800 Soil Stabilization:

Dry Method with Mulch:  $\$728.07/\text{acre} \times 0.95 \text{ acres} = \$691.67$

Includes Small Quantity Factor of 1.33

+ Seed Cost:  $\$132.00/\text{acre} \times 0.95 \text{ acres} = \$125.40$

+ Mulch Cost:  $\$320.00/\text{acre} \times 0.95 \text{ acres} = \$304.00$

Subtotal: \$1,121.07

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 2.95 \text{ acres} = \$5,697.28$

Chipping Roadside Brush

Brush Chipper 30 hr  $\times$   $\$110.56/\text{hr} = \$3,316.80$

Subtotal: \$9,014.08

Section 8000 Miscellaneous:

HPOC - BMPs at MP 0.50

Crew Cab or 3/4 Ton Pickup 1 hr  $\times$   $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr  $\times$   $\$57.54/\text{hr} = \$57.54$

HPOC - BMPs at MP 0.88

Crew Cab or 3/4 Ton Pickup 1 hr  $\times$   $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr  $\times$   $\$57.54/\text{hr} = \$57.54$

HPOC - BMPs at MP 0.94

Crew Cab or 3/4 Ton Pickup 1 hr  $\times$   $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr  $\times$   $\$57.54/\text{hr} = \$57.54$

HPOC - BMPs at MP 1.21

Crew Cab or 3/4 Ton Pickup 1 hr  $\times$   $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr  $\times$   $\$57.54/\text{hr} = \$57.54$

Subtotal: \$563.28

Mobilization:

Construction - 2.75% of total Costs =  $\$197.73$

Subtotal: \$197.73

Total: \$25,628.65

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.03 A1** Road Name: Grave Creek 15 #3

Road Construction: 0.15 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.05 acres .....	\$595.14
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$637.95
Blading 0.15 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.05 acres .....	\$59.00
Includes Small Quantity Factor of 1.33	
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.15 acres .....	\$510.81
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$14.02 Surf. \$0.00.....	\$14.02
Quarry Development: .....	\$0.00

Total: \$1,816.92

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-15.03 A1 Road Name: Grave Creek 15 #3

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.25 = 4.17$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.17 x Total Acres: 0.05 = \$255.74

RMU Clear and Grub

Excavator - Large (3 CY) 2 hr x \$169.70/hr = \$339.40

Subtotal: \$595.14

Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 0.15 \text{ mi} = \$140.91$

Scarification:  $\$1137.42/\text{mi} \times 0.05 \text{ mi} = \$56.87$

Compaction:  $\$424.32/\text{mi} \times 0.15 \text{ mi} = \$63.65$

Clean Culverts:  $\$514.62/\text{mi} \times 0.15 \text{ mi} = \$77.19$

RMU Road Repairs

Backhoe 1 hr x \$111.88/hr = \$111.88

Motor Grader 14M 1 hr x \$187.45/hr = \$187.45

Subtotal: \$637.95

Section 700-1200 Surfacing:

Surfacing:

Section 1800 Soil Stabilization:

Dry Method with Mulch:  $\$728.07/\text{acre} \times 0.05 \text{ acres} = \$36.40$

Includes Small Quantity Factor of 1.33

+ Seed Cost:  $\$132.00/\text{acre} \times 0.05 \text{ acres} = \$6.60$

+ Mulch Cost:  $\$320.00/\text{acre} \times 0.05 \text{ acres} = \$16.00$

Subtotal: \$59.00

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 0.15 \text{ acres} = \$289.69$

Chipping Roadside Brush

Brush Chipper 2 hr x \$110.56/hr = \$221.12

Subtotal: \$510.81

Mobilization:

Construction - 0.19% of total Costs = \$14.02

Subtotal: \$14.02

Total: \$1,816.92

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.05 A-B** Road Name: Grave Creek 15 #5

Road Renovation: 1.95 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.35 acres ..... \$3,147.76

300 Excavation: ..... \$0.00

400 Drainage: ..... \$0.00

Culvert: 0.00 lf

DownSpout: 0.00 lf

PolyPipe: 0.00 lf

500 Renovation: ..... \$5,428.75

Blading 1.95 mi

700-1200 Surfacing: ..... \$89,994.24

Quarry Name: Commercial Source 1,984.00 LCY

1300 Geotextiles: ..... \$0.00

1400 Slope Protection: ..... \$0.00

1800 Soil Stabilization: 0.35 acres ..... \$413.02

Includes Small Quantity Factor of 1.33

1900 Cattleguards: ..... \$0.00

2100 RoadSide Brushing (Manual):1.89 acres ..... \$5,861.32

2300 Engineering: 0.00 sta. .... \$0.00

2400 Minor Concrete: ..... \$0.00

2500 Gabions: ..... \$0.00

8000 Miscellaneous: ..... \$0.00

Mobilization: Const. \$815.19 Surf. \$405.21..... \$1,220.41

Quarry Development: ..... \$0.00

Total: \$106,065.51

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

## Road Construction Worksheet

Road Number: 33-4-15.05 A-B Road Name: Grave Creek 15 #5

### Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.25 = 4.17$

Base Cost/Acre:  $\$1,226.56 \times$  Adjustment Factor:  $4.17 \times$  Total Acres:  $0.35 = \$1,790.16$

RMU Clear and Grub

Excavator - Large (3 CY) 8 hr  $\times$   $\$169.70/\text{hr} = \$1,357.60$

Subtotal: \$3,147.76

### Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 1.95 \text{ mi} = \$1,831.79$

Scarification:  $\$1137.42/\text{mi} \times 0.50 \text{ mi} = \$568.71$

Compaction:  $\$424.32/\text{mi} \times 1.95 \text{ mi} = \$827.42$

Clean Culverts:  $\$514.62/\text{mi} \times 1.95 \text{ mi} = \$1,003.51$

RMU Road Repairs

Backhoe 4 hr  $\times$   $\$111.88/\text{hr} = \$447.52$

Motor Grader 14M 4 hr  $\times$   $\$187.45/\text{hr} = \$749.80$

Subtotal: \$5,428.75

### Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

Length	TopW	BotW	Depth	CWid	#TOs	Width	F.W.L	Taper	Other
1.44mi	14ft	14ft	4in	10%	5	10ft	50ft	25ft	

Rock Volume = 1,984.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 1,984.00 \text{ LCY} = \$37,696.00$

Processing:  $\$1.22/\text{LCY} \times 1,984.00 \text{ LCY} = \$2,420.48$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 1,984.00 \text{ LCY} = \$198.40$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 1,984.00 \text{ LCY} = \$1,686.40$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 1,984.00 \text{ LCY} \times 8.00 \text{ mi} = \$40,632.32$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 1,984.00 \text{ LCY} = \$1,646.72$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 1,984.00 \text{ LCY} \times 8.00 \text{ mi} = \$5,713.92$

Subtotal: \$89,994.24

### Section 1800 Soil Stabilization:

Dry Method with Mulch:  $\$728.07/\text{acre} \times 0.35 \text{ acres} = \$254.82$

Includes Small Quantity Factor of 1.33

+ Seed Cost:  $\$132.00/\text{acre} \times 0.35 \text{ acres} = \$46.20$

+ Mulch Cost:  $\$320.00/\text{acre} \times 0.35 \text{ acres} = \$112.00$

Subtotal: \$413.02

### Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 1.89 \text{ acres} = \$3,650.12$

Chipping Roadside Brush

Brush Chipper 20 hr  $\times$   $\$110.56/\text{hr} = \$2,211.20$

Subtotal: \$5,861.32

### Mobilization:

Construction - 11.33% of total Costs = \$815.19

Surfacing - 15.15% by rock volume = \$405.21

Subtotal: \$1,220.41

Total: \$106,065.51

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.08 (R)** Road Name: Grave Creek 15 #8

Road Improvement: 0.3 mi 16 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 1.45 acres ..... \$6,971.77

300 Excavation: Standard cy ..... \$5,197.04

400 Drainage: ..... \$10,531.88

Culvert: 150.00 lf

DownSpout: 0.00 lf

PolyPipe: 0.00 lf

500 Renovation: ..... \$1,169.13

Blading 0.30 mi

700-1200 Surfacing: ..... \$66,691.76

Quarry Name: Commercial Source 409.00 LCY

Quarry Name: Commercial Source 2 889.00 LCY

1300 Geotextiles: ..... \$0.00

1400 Slope Protection: ..... \$0.00

1800 Soil Stabilization: 0.00 acres ..... \$0.00

1900 Cattleguards: ..... \$0.00

2100 RoadSide Brushing (NONE):0.00 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. \$704.14 Surf. \$265.10..... \$969.24

Quarry Development: ..... \$0.00

Total: \$91,530.82

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

## Road Construction Worksheet

Road Number: 33-4-15.08 (R) Road Name: Grave Creek 15 #8

### Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

1-15% (Avg Side Slopes): Adjustment Factor (0)

Pile and Burn (Slash): Adjustment Factor (1.28)

20-40' (Avg Clearing Widths): Adjustment Factor (0.1)

Total Adjustment Factor:  $2.54 + 0 + 1.28 + 0.1 = 3.92$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 3.92 x Total Acres: 1.45 = \$6,971.77

Subtotal: \$6,971.77

### Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 872.00 \text{ cy} = \$2,345.68$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 872.00 \text{ cy} = \$348.80$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 15.7 \text{ sta} = \$554.80$

Slope Rounding:  $\$0.40/\text{lf} \times 1,569.00 \text{ lf} = \$627.60$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 872.00 \text{ cy} = \$1,028.96$

Blading with ditch:  $\$18.56/\text{station} \times 15.69 \text{ stations} = \$291.21$

Subtotal: \$5,197.04

### Section 400 Drainage:

Aluminized MP 0.01 24 inch 16 ga 36 lf x  $\$64.28/\text{lf} = \$2,314.08$

Aluminized MP 0.05 24 inch 16 ga 38 lf x  $\$64.28/\text{lf} = \$2,442.64$

Aluminized MP 0.10 24 inch 16 ga 40 lf x  $\$64.28/\text{lf} = \$2,571.20$

Aluminized MP 0.16 24 inch 16 ga 36 lf x  $\$64.28/\text{lf} = \$2,314.08$

Splash Pads 4 ea x  $\$222.47/\text{ea} = \$889.88$

Subtotal: \$10,531.88

### Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 0.30 \text{ mi} = \$281.81$

Compaction:  $\$424.32/\text{mi} \times 0.30 \text{ mi} = \$127.30$

Heavy Blading

Tractor: D7 with rippers 3 hr x  $\$253.34/\text{hr} = \$760.02$

Subtotal: \$1,169.13

### Section 700-1200 Surfacing:

#### Commercial Quarry Name: Commercial Source

Length	TopW	BotW	Depth	CWid	#Tos	Width	F.W.L	Taper	Other
0.30mi	14ft	14ft	4in	10%	1	10ft	50ft	25ft	

Rock Volume = 409.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 409.00 \text{ LCY} = \$7,771.00$

Processing:  $\$1.22/\text{LCY} \times 409.00 \text{ LCY} = \$498.98$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 409.00 \text{ LCY} = \$40.90$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 409.00 \text{ LCY} = \$347.65$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 409.00 \text{ LCY} \times 11.00 \text{ mi} = \$11,517.44$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 409.00 \text{ LCY} = \$339.47$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 409.00 \text{ LCY} \times 11.00 \text{ mi} = \$1,619.64$

#### Commercial Quarry Name: Commercial Source 2

Length	TopW	BotW	Depth	CWid	#Tos	Width	F.W.L	Taper	Other
0.30mi	15ft	15.5ft	8in	10%	1	10ft	50ft	25ft	

Rock Volume = 889.00 LCY

Purchase Price / Royalty:  $\$15.00/\text{LCY} \times 889.00 \text{ LCY} = \$13,335.00$

Processing:  $\$1.22/\text{LCY} \times 889.00 \text{ LCY} = \$1,084.58$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 889.00 \text{ LCY} = \$88.90$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 889.00 \text{ LCY} = \$755.65$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 889.00 \text{ LCY} \times 11.00 \text{ mi} = \$25,034.24$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 889.00 \text{ LCY} = \$737.87$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 889.00 \text{ LCY} \times 11.00 \text{ mi} = \$3,520.44$

Subtotal: \$66,691.76



Road Number: 33-4-15.08 (R) Grave Creek 15 #8 Continued

Mobilization:

Construction - 9.79% of total Costs = \$704.14

Surfacing - 9.91% by rock volume = \$265.10

Subtotal: \$969.24

Total: \$91,530.82

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# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.14** Road Name: Grave Ford Spur

Road Renovation: 0.13 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$185.96
Blading 0.13 mi	
700-1200 Surfacing: .....	\$9,523.20
Quarry Name: Commercial Source 186.00 LCY	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.13 acres .....	\$361.63
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$78.30 Surf. \$37.99.....	\$116.29
Quarry Development: .....	\$0.00

Total: \$10,187.08

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-15.14 Road Name: Grave Ford Spur

Section 500 Renovation:

Scarification:  $\$1137.42/\text{mi} \times 0.05 \text{ mi} = \$56.87$

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.13 \text{ mi} = \$73.93$

Compaction:  $\$424.32/\text{mi} \times 0.13 \text{ mi} = \$55.16$

Subtotal: \$185.96

Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.13mi	14ft	14ft	4in	10%	1	10ft	50ft	25ft	

Rock Volume = 186.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 186.00 \text{ LCY} = \$3,534.00$

Processing:  $\$1.22/\text{LCY} \times 186.00 \text{ LCY} = \$226.92$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 186.00 \text{ LCY} = \$18.60$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 186.00 \text{ LCY} = \$158.10$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 186.00 \text{ LCY} \times 10.00 \text{ mi} = \$4,761.60$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 186.00 \text{ LCY} = \$154.38$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 186.00 \text{ LCY} \times 10.00 \text{ mi} = \$669.60$

Subtotal: \$9,523.20

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 0.13 \text{ acres} = \$251.07$

Chipping Roadside Brush

Brush Chipper 1 hr x  $\$110.56/\text{hr} = \$110.56$

Subtotal: \$361.63

Mobilization:

Construction - 1.09% of total Costs = \$78.30

Surfacing - 1.42% by rock volume = \$37.99

Subtotal: \$116.29

Total: \$10,187.08

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.15** Road Name: Grave Ford Spur 2

Road Renovation: 0.03 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$63.91
Blading 0.03 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.03 acres .....	\$168.50
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$1.81 Surf. \$0.00.....	\$1.81
Quarry Development: .....	\$0.00
Total:	\$234.22

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-15.15 Road Name: Grave Ford Spur 2

Section 500 Renovation:

Scarification:  $\$1137.42/\text{mi} \times 0.03 \text{ mi} = \$34.12$

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.03 \text{ mi} = \$17.06$

Compaction:  $\$424.32/\text{mi} \times 0.03 \text{ mi} = \$12.73$

Subtotal: \$63.91

Section 700-1200 Surfacing:

Surfacing:

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 0.03 \text{ acres} = \$57.94$

Chipping Roadside Brush

Brush Chipper 1 hr x  $\$110.56/\text{hr} = \$110.56$

Subtotal: \$168.50

Mobilization:

Construction - 0.03% of total Costs = \$1.81

Subtotal: \$1.81

Total: \$234.22

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.16 A** Road Name: Meriwether 15 Sp #1

Road Renovation: 0.15 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$205.83
Blading 0.15 mi	
700-1200 Surfacing: .....	\$9,779.20
Quarry Name: Commercial Source 191.00 LCY	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.15 acres .....	\$510.81
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$81.61 Surf. \$39.01.....	\$120.62
Quarry Development: .....	\$0.00

Total: \$10,616.46

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-15.16 A Road Name: Meriwether 15 Sp #1

Section 500 Renovation:

Scarification:  $\$1137.42/\text{mi} \times 0.05 \text{ mi} = \$56.87$

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.15 \text{ mi} = \$85.31$

Compaction:  $\$424.32/\text{mi} \times 0.15 \text{ mi} = \$63.65$

Subtotal: \$205.83

Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.15mi	14ft	14ft	4in	5%					

Rock Volume = 191.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 191.00 \text{ LCY} = \$3,629.00$

Processing:  $\$1.22/\text{LCY} \times 191.00 \text{ LCY} = \$233.02$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 191.00 \text{ LCY} = \$19.10$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 191.00 \text{ LCY} = \$162.35$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 191.00 \text{ LCY} \times 10.00 \text{ mi} = \$4,889.60$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 191.00 \text{ LCY} = \$158.53$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 191.00 \text{ LCY} \times 10.00 \text{ mi} = \$687.60$

Subtotal: \$9,779.20

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 0.15 \text{ acres} = \$289.69$

Chipping Roadside Brush

Brush Chipper 2 hr x  $\$110.56/\text{hr} = \$221.12$

Subtotal: \$510.81

Mobilization:

Construction - 1.13% of total Costs = \$81.61

Surfacing - 1.46% by rock volume = \$39.01

Subtotal: \$120.62

Total: \$10,616.46



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.16 B(N)** Road Name: Meriwether Spur

Road Construction: 0.14 mi 16 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.70 acres ..... \$3,537.40

300 Excavation: Standard cy ..... \$3,350.52

Haul < 500 ft: 74.00 sta-yds

Haul > 500 ft: 6.00 yd-mi

400 Drainage: ..... \$0.00

Culvert: 0.00 lf

DownSpout: 0.00 lf

PolyPipe: 0.00 lf

500 Renovation: ..... \$139.02

Blading 0.14 mi

700-1200 Surfacing: ..... \$34,524.64

Quarry Name: Commercial Source 211.00 LCY

Quarry Name: Commercial Source 2 461.00 LCY

1300 Geotextiles: ..... \$0.00

1400 Slope Protection: ..... \$0.00

1800 Soil Stabilization: 0.00 acres ..... \$0.00

1900 Cattleguards: ..... \$0.00

2100 RoadSide Brushing (NONE):0.00 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. \$323.07 Surf. \$137.25..... \$460.32

Quarry Development: ..... \$0.00

Total: \$42,011.91

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

# Road Construction Worksheet

Road Number: 33-4-15.16 B(N) Road Name: Meriwether Spur

## Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

Pile and Burn (Slash): Adjustment Factor (1.28)

20-40' (Avg Clearing Widths): Adjustment Factor (0.1)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0.1 = 4.12$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.12 x Total Acres: 0.70 = \$3,537.40

Subtotal: \$3,537.40

## Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 662.00 \text{ cy} = \$1,780.78$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 541.00 \text{ cy} = \$216.40$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 7.5 \text{ sta} = \$265.91$

Slope Rounding:  $\$0.40/\text{lf} \times 752.00 \text{ lf} = \$300.80$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 541.00 \text{ cy} = \$638.38$

End Hauling - 100 to 500 ft:  $\$0.21/\text{sta-yd} \times 74.00 \text{ sta-yd} = \$15.54$

End Hauling > 500 ft and 10 mph:  $\$2.58/\text{yd-mi} \times 6.00 \text{ yd-mi} = \$15.48$

Blading without ditch:  $\$15.59/\text{station} \times 7.52 \text{ stations} = \$117.24$

Subtotal: \$3,350.52

## Section 500 Renovation:

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.14 \text{ mi} = \$79.62$

Compaction:  $\$424.32/\text{mi} \times 0.14 \text{ mi} = \$59.40$

Subtotal: \$139.02

## Section 700-1200 Surfacing:

### Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.14mi	14ft	14ft	4in	5%	2	9ft	75ft	25ft	

Rock Volume = 211.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 211.00 \text{ LCY} = \$4,009.00$

Processing:  $\$1.22/\text{LCY} \times 211.00 \text{ LCY} = \$257.42$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 211.00 \text{ LCY} = \$21.10$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 211.00 \text{ LCY} = \$179.35$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 211.00 \text{ LCY} \times 11.00 \text{ mi} = \$5,941.76$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 211.00 \text{ LCY} = \$175.13$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 211.00 \text{ LCY} \times 11.00 \text{ mi} = \$835.56$

### Commercial Quarry Name: Commercial Source 2

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.14mi	15ft	15.5ft	8in	5%	2	10ft	75ft	25ft	

Rock Volume = 461.00 LCY

Purchase Price / Royalty:  $\$15.00/\text{LCY} \times 461.00 \text{ LCY} = \$6,915.00$

Processing:  $\$1.22/\text{LCY} \times 461.00 \text{ LCY} = \$562.42$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 461.00 \text{ LCY} = \$46.10$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 461.00 \text{ LCY} = \$391.85$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 461.00 \text{ LCY} \times 11.00 \text{ mi} = \$12,981.76$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 461.00 \text{ LCY} = \$382.63$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 461.00 \text{ LCY} \times 11.00 \text{ mi} = \$1,825.56$

Subtotal: \$34,524.64

## Mobilization:

Construction - 4.49% of total Costs = \$323.07

Surfacing - 5.13% by rock volume = \$137.25

Subtotal: \$460.32

Total: \$42,011.91

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.17 A** Road Name: Meriwether 15 Sp #2

Road Renovation: 0.05 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$106.52
Blading 0.05 mi	
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.05 acres .....	\$207.12
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$0.00
Mobilization: Const. \$2.44 Surf. \$0.00.....	\$2.44
Quarry Development: .....	\$0.00
Total:	\$316.09

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-15.17 A Road Name: Meriwether 15 Sp #2

Section 500 Renovation:

Scarification:  $\$1137.42/\text{mi} \times 0.05 \text{ mi} = \$56.87$

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.05 \text{ mi} = \$28.44$

Compaction:  $\$424.32/\text{mi} \times 0.05 \text{ mi} = \$21.22$

Subtotal: \$106.52

Section 700-1200 Surfacing:

Surfacing:

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 0.05 \text{ acres} = \$96.56$

Chipping Roadside Brush

Brush Chipper 1 hr x  $\$110.56/\text{hr} = \$110.56$

Subtotal: \$207.12

Mobilization:

Construction - 0.03% of total Costs = \$2.44

Subtotal: \$2.44

Total: \$316.09

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-15.18 (N)** Road Name: Grave Crk 15 Tie Rd

Road Construction: 0.33 mi 16 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 1.40 acres ..... \$7,074.80

300 Excavation: Standard cy ..... \$11,327.70

Haul < 500 ft: 878.00 sta-yds

Haul > 500 ft: 43.00 yd-mi

400 Drainage: ..... \$0.00

Culvert: 0.00 lf

DownSpout: 0.00 lf

PolyPipe: 0.00 lf

500 Renovation: ..... \$327.70

Blading 0.33 mi

700-1200 Surfacing: ..... \$77,464.80

Quarry Name: Commercial Source 498.00 LCY

Quarry Name: Commercial Source 2 1,101.00 LCY

1300 Geotextiles: ..... \$0.00

1400 Slope Protection: ..... \$0.00

1800 Soil Stabilization: 0.00 acres ..... \$0.00

1900 Cattleguards: ..... \$0.00

2100 RoadSide Brushing (NONE):0.00 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. \$747.94 Surf. \$326.58..... \$1,074.52

Quarry Development: ..... \$0.00

Total: \$97,269.52

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

## Road Construction Worksheet

Road Number: 33-4-15.18 (N) Road Name: Grave Crk 15 Tie Rd

### Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

File and Burn (Slash): Adjustment Factor (1.28)

20-40' (Avg Clearing Widths): Adjustment Factor (0.1)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0.1 = 4.12$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.12 x Total Acres: 1.40 = \$7,074.80

Subtotal: \$7,074.80

### Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 2,230.00 \text{ cy} = \$5,998.70$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 2,186.00 \text{ cy} = \$874.40$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 17.4 \text{ sta} = \$614.20$

Slope Rounding:  $\$0.40/\text{lf} \times 1,737.00 \text{ lf} = \$694.80$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 2,186.00 \text{ cy} = \$2,579.48$

End Hauling - 100 to 500 ft:  $\$0.21/\text{sta-yd} \times 878.00 \text{ sta-yd} = \$184.38$

End Hauling > 500 ft and 10 mph:  $\$2.58/\text{yd-mi} \times 43.00 \text{ yd-mi} = \$110.94$

Blading without ditch:  $\$15.59/\text{station} \times 17.37 \text{ stations} = \$270.80$

Subtotal: \$11,327.70

### Section 500 Renovation:

Blading w/o Ditches:  $\$568.71/\text{mi} \times 0.33 \text{ mi} = \$187.67$

Compaction:  $\$424.32/\text{mi} \times 0.33 \text{ mi} = \$140.03$

Subtotal: \$327.70

### Section 700-1200 Surfacing:

#### Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.33mi	14ft	14ft	4in	10%	4	9ft	75ft	25ft	

Rock Volume = 498.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 498.00 \text{ LCY} = \$9,462.00$

Processing:  $\$1.22/\text{LCY} \times 498.00 \text{ LCY} = \$607.56$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 498.00 \text{ LCY} = \$49.80$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 498.00 \text{ LCY} = \$423.30$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 498.00 \text{ LCY} \times 10.00 \text{ mi} = \$12,748.80$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 498.00 \text{ LCY} = \$413.34$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 498.00 \text{ LCY} \times 10.00 \text{ mi} = \$1,792.80$

#### Commercial Quarry Name: Commercial Source 2

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.33mi	15ft	15.5ft	8in	10%	4	11ft	75ft	25ft	

Rock Volume = 1,101.00 LCY

Purchase Price / Royalty:  $\$15.00/\text{LCY} \times 1,101.00 \text{ LCY} = \$16,515.00$

Processing:  $\$1.22/\text{LCY} \times 1,101.00 \text{ LCY} = \$1,343.22$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 1,101.00 \text{ LCY} = \$110.10$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 1,101.00 \text{ LCY} = \$935.85$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 1,101.00 \text{ LCY} \times 10.00 \text{ mi} = \$28,185.60$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 1,101.00 \text{ LCY} = \$913.83$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 1,101.00 \text{ LCY} \times 10.00 \text{ mi} = \$3,963.60$

Subtotal: \$77,464.80

### Mobilization:

Construction - 10.40% of total Costs = \$747.94

Surfacing - 12.21% by rock volume = \$326.58

Subtotal: \$1,074.52

Total: \$97,269.52

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-21.00 B** Road Name: Old Grave Creek Rd

Road Renovation: 0.16 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$357.40
Blading 0.16 mi	
700-1200 Surfacing: .....	\$9,253.44
Quarry Name: Commercial Source 204.00 LCY	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.16 acres .....	\$527.64
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$140.82
Mobilization: Const. \$79.92 Surf. \$41.67.....	\$121.59
Quarry Development: .....	\$0.00

Total: \$10,400.90

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-21.00 B Road Name: Old Grave Creek Rd

Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 0.16 \text{ mi} = \$150.30$   
Scarification:  $\$1137.42/\text{mi} \times 0.05 \text{ mi} = \$56.87$   
Compaction:  $\$424.32/\text{mi} \times 0.16 \text{ mi} = \$67.89$   
Clean Culverts:  $\$514.62/\text{mi} \times 0.16 \text{ mi} = \$82.34$

Subtotal: \$357.40

Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.16mi	14ft	14ft	4in	5%					

Rock Volume = 204.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 204.00 \text{ LCY} = \$3,876.00$

Processing:  $\$1.22/\text{LCY} \times 204.00 \text{ LCY} = \$248.88$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 204.00 \text{ LCY} = \$20.40$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 204.00 \text{ LCY} = \$173.40$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 204.00 \text{ LCY} \times 8.00 \text{ mi} = \$4,177.92$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 204.00 \text{ LCY} = \$169.32$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 204.00 \text{ LCY} \times 8.00 \text{ mi} = \$587.52$

Subtotal: \$9,253.44

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Heavy:  $\$1931.28/\text{acre} \times 0.16 \text{ acres} = \$309.00$

Chipping Roadside Brush

Brush Chipper 2 hr x  $\$109.32/\text{hr} = \$218.64$

Subtotal: \$527.64

Section 8000 Miscellaneous:

HPOC - BMPs at Lick Creek

Crew Cab or 3/4 Ton Pickup 1 hr x  $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr x  $\$57.54/\text{hr} = \$57.54$

Subtotal: \$140.82

Mobilization:

Construction - 1.11% of total Costs = \$79.92

Surfacing - 1.56% by rock volume = \$41.67

Subtotal: \$121.59

Total: \$10,400.90



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-21.03** Road Name: Morning Star Brdg Rd

Road Renovation: 0.03 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.00 acres .....	\$0.00
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$90.47
Blading 0.03 mi	
700-1200 Surfacing: .....	\$1,723.68
Quarry Name: Commercial Source 38.00 LCY	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (Manual):0.03 acres .....	\$138.29
2300 Engineering: 0.00 sta. ....	\$0.00
2400 Minor Concrete: .....	\$0.00
2500 Gabions: .....	\$0.00
8000 Miscellaneous: .....	\$140.82
Mobilization: Const. \$16.28 Surf. \$7.76.....	\$24.04
Quarry Development: .....	\$0.00

Total: \$2,117.30

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 33-4-21.03 Road Name: Morning Star Brdg Rd

Section 500 Renovation:

Blading:  $\$939.38/\text{mi} \times 0.03 \text{ mi} = \$28.18$   
Scarification:  $\$1137.42/\text{mi} \times 0.03 \text{ mi} = \$34.12$   
Compaction:  $\$424.32/\text{mi} \times 0.03 \text{ mi} = \$12.73$   
Clean Culverts:  $\$514.62/\text{mi} \times 0.03 \text{ mi} = \$15.44$

Subtotal: \$90.47

Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.03mi	14ft	14ft	4in	5%					

Rock Volume = 38.00 LCY

Purchase Price / Royalty:  $\$19.00/\text{LCY} \times 38.00 \text{ LCY} = \$722.00$

Processing:  $\$1.22/\text{LCY} \times 38.00 \text{ LCY} = \$46.36$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 38.00 \text{ LCY} = \$3.80$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 38.00 \text{ LCY} = \$32.30$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 38.00 \text{ LCY} \times 8.00 \text{ mi} = \$778.24$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 38.00 \text{ LCY} = \$31.54$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 38.00 \text{ LCY} \times 8.00 \text{ mi} = \$109.44$

Subtotal: \$1,723.68

Section 2100 Roadside Brushing:

Manual Brushing

RoadSide Brushing Medium:  $\$965.64/\text{acre} \times 0.03 \text{ acres} = \$28.97$

Chipping Roadside Brushing

Brush Chipper 1 hr x  $\$109.32/\text{hr} = \$109.32$

Subtotal: \$138.29

Section 8000 Miscellaneous:

HPOC - BMPs at Grave Creek

Crew Cab or 3/4 Ton Pickup 1 hr x  $\$83.28/\text{hr} = \$83.28$

General Laborer 1 hr x  $\$57.54/\text{hr} = \$57.54$

Subtotal: \$140.82

Mobilization:

Construction - 0.23% of total Costs = \$16.28

Surfacing - 0.29% by rock volume = \$7.76

Subtotal: \$24.04

Total: \$2,117.30

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 33-4-22.00 A1-C** Road Name: Morning Star Rd

Road Renovation: 1.72 mi 15 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.20 acres ..... \$3,398.75

300 Excavation: ..... \$0.00

400 Drainage: ..... \$0.00

Culvert: 0.00 lf

DownSpout: 0.00 lf

PolyPipe: 0.00 lf

500 Renovation: ..... \$5,894.73

Blading 1.72 mi

700-1200 Surfacing: ..... \$115,051.24

Quarry Name: Commercial Source 2,383.00 LCY

1300 Geotextiles: ..... \$0.00

1400 Slope Protection: ..... \$0.00

1800 Soil Stabilization: 0.20 acres ..... \$236.01

Includes Small Quantity Factor of 1.33

1900 Cattleguards: ..... \$0.00

2100 RoadSide Brushing (Manual):1.67 acres ..... \$5,083.68

2300 Engineering: 0.00 sta. .... \$0.00

2400 Minor Concrete: ..... \$0.00

2500 Gabions: ..... \$0.00

8000 Miscellaneous: ..... \$422.46

Mobilization: Const. \$1,011.45 Surf. \$486.71..... \$1,498.16

Quarry Development: ..... \$0.00

Total: \$131,585.03

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

## Road Construction Worksheet

Road Number: 33-4-22.00 A1-C Road Name: Morning Star Rd

### Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.25 = 4.17$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.17 x Total Acres: 0.20 = \$1,022.95

#### RMU Clearing and Grubbing

Excavator - Large (3 CY) 14 hr x \$169.70/hr = \$2,375.80

Subtotal: \$3,398.75

### Section 500 Renovation:

Blading: \$939.38/mi x 1.72 mi = \$1,615.73

Scarification: \$1137.42/mi x 0.50 mi = \$568.71

Compaction: \$424.32/mi x 1.72 mi = \$729.83

Clean Culverts: \$514.62/mi x 1.72 mi = \$885.15

#### RMU Road Repairs

Backhoe 7 hr x \$111.88/hr = \$783.16

Motor Grader 14M 7 hr x \$187.45/hr = \$1,312.15

Subtotal: \$5,894.73

### Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
1.72mi	14ft	14ft	4in	10%	7	10ft	50ft	25ft	

Rock Volume = 2,383.00 LCY

Purchase Price / Royalty: \$19.00/LCY x 2,383.00 LCY = \$45,277.00

Processing: \$1.22/LCY x 2,383.00 LCY = \$2,907.26

T11 & T27 Testing: \$0.10/LCY x 2,383.00 LCY = \$238.30

Basic Rock Haul cost: \$0.85/LCY x 2,383.00 LCY = \$2,025.55

Rock Haul +15% grades: \$2.56/LCY-mi x 2,383.00 LCY x 9.00 mi = \$54,904.32

Basic Water Haul cost: \$0.83/LCY x 2,383.00 LCY = \$1,977.89

Water Haul +15% grades: \$0.36/LCY-mi x 2,383.00 LCY x 9.00 mi = \$7,720.92

Subtotal: \$115,051.24

### Section 1800 Soil Stabilization:

Comment: for RMU disturbance

Dry Method with Mulch: \$728.07/acre x 0.20 acres = \$145.61

Includes Small Quantity Factor of 1.33

+ Seed Cost: \$132.00/acre x 0.20 acres = \$26.40

+ Mulch Cost: \$320.00/acre x 0.20 acres = \$64.00

Subtotal: \$236.01

### Section 2100 Roadside Brushing:

#### Manual Brushing

RoadSide Brushing Heavy: \$1931.28/acre x 1.67 acres = \$3,225.24

#### Chipping Roadside Brush

Brush Chipper 17 hr x \$109.32/hr = \$1,858.44

Subtotal: \$5,083.68

### Section 8000 Miscellaneous:

HPOC - BMPs at MP 0.24

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

HPOC - BMPs at MP 0.44

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

Road Number: 33-4-22.00 A1-C Morning Star Rd Continued

HPOC - BMPs at MP 0.64

Crew Cab or 3/4 Ton Pickup 1 hr x \$83.28/hr = \$83.28

General Laborer 1 hr x \$57.54/hr = \$57.54

Subtotal: \$422.46

Mobilization:

Construction - 14.06% of total Costs = \$1,011.45

Surfacing - 18.19% by rock volume = \$486.71

Subtotal: \$1,498.16

Total: \$131,585.03

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# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: 34-5-10.00A1-C3** Road Name: Grave Creek Road

Road Renovation: 14.09 mi 18 ft Subgrade 3 ft ditch

200 Clearing and Grubbing: 0.95 acres .....	\$9,154.69
300 Excavation: .....	\$0.00
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$0.00
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.95 acres .....	\$1,121.07
Includes Small Quantity Factor of 1.33	
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (NONE):0.00 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. \$79.90 Surf. \$0.00.....	\$79.90
Quarry Development: .....	\$0.00
Total:	\$10,355.66

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: 34-5-10.00A1-C3 Road Name: Grave Creek Road

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

1-15% (Avg Side Slopes): Adjustment Factor (0)

Pile and Burn (Slash): Adjustment Factor (1.28)

less than 20' (Avg Clearing Widths): Adjustment Factor (0.25)

Total Adjustment Factor:  $2.54 + 0 + 1.28 + 0.25 = 4.07$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.07 x Total Acres: 0.95 = \$4,742.49

RMU Clear and Grub

Excavator with track pads - Large (3 CY)

26 hr x \$169.70/hr = \$4,412.20

Subtotal: \$9,154.69

Section 700-1200 Surfacing:

Surfacing:

Section 1800 Soil Stabilization:

Dry Method with Mulch: \$728.07/acre x 0.95 acres = \$691.67

Includes Small Quantity Factor of 1.33

+ Seed Cost: \$132.00/acre x 0.95 acres = \$125.40

+ Mulch Cost: \$320.00/acre x 0.95 acres = \$304.00

Subtotal: \$1,121.07

Mobilization:

Construction - 1.11% of total Costs = \$79.90

Subtotal: \$79.90

Total: \$10,355.66



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: TR 03-08** Road Name: Temp Route

Temporary Road: 0.03 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.15 acres .....	\$758.01
300 Excavation: Standard cy .....	\$620.58
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$0.00
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (NONE):0.00 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. \$10.72 Surf. \$0.00.....	\$10.72
Quarry Development: .....	\$0.00

Total: \$1,389.31

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

Road Construction Worksheet

Road Number: TR 03-08 Road Name: Temp Route

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

Pile and Burn (Slash): Adjustment Factor (1.28)

20-40' (Avg Clearing Widths): Adjustment Factor (0.1)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0.1 = 4.12$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.12 x Total Acres: 0.15 = \$758.01

Subtotal: \$758.01

Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 126.00 \text{ cy} = \$338.94$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 85.00 \text{ cy} = \$34.00$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 1.6 \text{ sta} = \$57.28$

Slope Rounding:  $\$0.40/\text{lf} \times 162.00 \text{ lf} = \$64.80$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 85.00 \text{ cy} = \$100.30$

Blading without ditch:  $\$15.59/\text{station} \times 1.62 \text{ stations} = \$25.26$

Subtotal: \$620.58

Section 700-1200 Surfacing:

Surfacing:

Mobilization:

Construction - 0.15% of total Costs = \$10.72

Subtotal: \$10.72

Total: \$1,389.31

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: TR 03-11-A** Road Name: Temp Route

Temporary Road: 0.15 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.55 acres .....	\$2,711.92
300 Excavation: Standard cy .....	\$1,920.14
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$0.00
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (NONE):0.00 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. \$36.02 Surf. \$0.00.....	\$36.02
Quarry Development: .....	\$0.00

Total: \$4,668.08

## Notes:

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

Road Construction Worksheet

Road Number: TR 03-11-A Road Name: Temp Route

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

20-40' (Avg Clearing Widths): Adjustment Factor (0.1)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.1 = 4.02$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.02 x Total Acres: 0.55 = \$2,711.92

Subtotal: \$2,711.92

Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 444.00 \text{ cy} = \$1,194.36$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 8.0 \text{ sta} = \$282.17$

Slope Rounding:  $\$0.40/\text{lf} \times 798.00 \text{ lf} = \$319.20$

Blading without ditch:  $\$15.59/\text{station} \times 7.98 \text{ stations} = \$124.41$

Subtotal: \$1,920.14

Section 700-1200 Surfacing:

Surfacing:

Mobilization:

Construction - 0.50% of total Costs = \$36.02

Subtotal: \$36.02

Total: \$4,668.08

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: TR 03-11-B** Road Name: Temp Route

Temporary Road: 0.25 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.95 acres .....	\$4,684.23
300 Excavation: Standard cy .....	\$3,196.64
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$0.00
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (NONE):0.00 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. \$61.28 Surf. \$0.00.....	\$61.28
Quarry Development: .....	\$0.00
Total:	\$7,942.14

## Notes:

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

Road Construction Worksheet

Road Number: TR 03-11-B Road Name: Temp Route

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

16-30% (Avg Side Slopes): Adjustment Factor (0.1)

Pile and Burn (Slash): Adjustment Factor (1.28)

20-40' (Avg Clearing Widths): Adjustment Factor (0.1)

Total Adjustment Factor:  $2.54 + 0.1 + 1.28 + 0.1 = 4.02$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.02 x Total Acres: 0.95 = \$4,684.23

Subtotal: \$4,684.23

Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 739.00 \text{ cy} = \$1,987.91$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 13.3 \text{ sta} = \$469.93$

Slope Rounding:  $\$0.40/\text{lf} \times 1,329.00 \text{ lf} = \$531.60$

Blading without ditch:  $\$15.59/\text{station} \times 13.29 \text{ stations} = \$207.19$

Subtotal: \$3,196.64

Section 700-1200 Surfacing:

Surfacing:

Mobilization:

Construction - 0.85% of total Costs = \$61.28

Subtotal: \$61.28

Total: \$7,942.14

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: TR 09-08-A** Road Name: Temp Route

Temporary Road: 0.07 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.40 acres .....	\$1,972.31
300 Excavation: Standard cy .....	\$2,263.57
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$0.00
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (NONE):0.00 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. \$32.93 Surf. \$0.00.....	\$32.93
Quarry Development: .....	\$0.00

Total: \$4,268.81

## Notes:

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

Road Construction Worksheet

Road Number: TR 09-08-A Road Name: Temp Route

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

Pile and Burn (Slash): Adjustment Factor (1.28)

greater than 40' (Avg Clearing Widths): Adjustment Factor (0)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0 = 4.02$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.02 x Total Acres: 0.40 = \$1,972.31

Subtotal: \$1,972.31

Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 510.00 \text{ cy} = \$1,371.90$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 341.00 \text{ cy} = \$136.40$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 3.9 \text{ sta} = \$137.20$

Slope Rounding:  $\$0.40/\text{lf} \times 388.00 \text{ lf} = \$155.20$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 341.00 \text{ cy} = \$402.38$

Blading without ditch:  $\$15.59/\text{station} \times 3.88 \text{ stations} = \$60.49$

Subtotal: \$2,263.57

Section 700-1200 Surfacing:

Surfacing:

Mobilization:

Construction - 0.46% of total Costs = \$32.93

Subtotal: \$32.93

Total: \$4,268.81



# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: TR 09-08-B** Road Name: Temp Route

Temporary Road: 0.39 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 2.00 acres .....	\$9,861.54
300 Excavation: Standard cy .....	\$11,509.50
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$0.00
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (NONE):0.00 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. \$166.16 Surf. \$0.00.....	\$166.16
Quarry Development: .....	\$0.00

Total: \$21,537.21

## Notes:

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

Road Construction Worksheet

Road Number: TR 09-08-B Road Name: Temp Route

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

Pile and Burn (Slash): Adjustment Factor (1.28)

greater than 40' (Avg Clearing Widths): Adjustment Factor (0)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0 = 4.02$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.02 x Total Acres: 2.00 = \$9,861.54

Subtotal: \$9,861.54

Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 2,571.00 \text{ cy} = \$6,915.99$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 1,714.00 \text{ cy} = \$685.60$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 20.7 \text{ sta} = \$733.01$

Slope Rounding:  $\$0.40/\text{lf} \times 2,073.00 \text{ lf} = \$829.20$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 1,714.00 \text{ cy} = \$2,022.52$

Blading without ditch:  $\$15.59/\text{station} \times 20.73 \text{ stations} = \$323.18$

Subtotal: \$11,509.50

Section 700-1200 Surfacing:

Surfacing:

Mobilization:

Construction - 2.31% of total Costs = \$166.16

Subtotal: \$166.16

Total: \$21,537.21

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: TR 09-08-C** Road Name: Temp Route

Temporary Road: 0.06 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.35 acres .....	\$1,725.77
300 Excavation: Standard cy .....	\$1,831.09
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$0.00
700-1200 Surfacing: .....	\$0.00
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (NONE):0.00 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. \$27.66 Surf. \$0.00.....	\$27.66
Quarry Development: .....	\$0.00

Total: \$3,584.52

## Notes:

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

Road Construction Worksheet

Road Number: TR 09-08-C Road Name: Temp Route

Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

Pile and Burn (Slash): Adjustment Factor (1.28)

greater than 40' (Avg Clearing Widths): Adjustment Factor (0)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0 = 4.02$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.02 x Total Acres: 0.35 = \$1,725.77

Subtotal: \$1,725.77

Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 412.00 \text{ cy} = \$1,108.28$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 275.00 \text{ cy} = \$110.00$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 3.2 \text{ sta} = \$112.09$

Slope Rounding:  $\$0.40/\text{lf} \times 317.00 \text{ lf} = \$126.80$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 275.00 \text{ cy} = \$324.50$

Blading without ditch:  $\$15.59/\text{station} \times 3.17 \text{ stations} = \$49.42$

Subtotal: \$1,831.09

Section 700-1200 Surfacing:

Surfacing:

Mobilization:

Construction - 0.38% of total Costs = \$27.66

Subtotal: \$27.66

Total: \$3,584.52

# ROAD CONSTRUCTION SUMMARY

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

**Road Number: TR 15-10 (N)** Road Name: Temp Route

Temporary Road: 0.08 mi 15 ft Subgrade 0 ft ditch

200 Clearing and Grubbing: 0.25 acres .....	\$1,263.36
300 Excavation: Standard cy .....	\$1,087.91
400 Drainage: .....	\$0.00
Culvert: 0.00 lf	
DownSpout: 0.00 lf	
PolyPipe: 0.00 lf	
500 Renovation: .....	\$0.00
700-1200 Surfacing: .....	\$11,297.52
Quarry Name: Commercial Source 2 213.00 LCY	
1300 Geotextiles: .....	\$0.00
1400 Slope Protection: .....	\$0.00
1800 Soil Stabilization: 0.00 acres .....	\$0.00
1900 Cattleguards: .....	\$0.00
2100 RoadSide Brushing (NONE):0.00 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. \$106.12 Surf. \$43.50.....	\$149.63
Quarry Development: .....	\$0.00
Total:	\$13,798.41

## Notes:

Quantities shown are estimates only and not pay items.

Surfacing Quantities shown are loose cubic yards.

## Road Construction Worksheet

Road Number: TR 15-10 (N) Road Name: Temp Route

### Section 200 Clearing and Grubbing:

Clearing - Heavy (Clearing): Adjustment Factor (2.54)

31-45% (Avg Side Slopes): Adjustment Factor (0.2)

Pile and Burn (Slash): Adjustment Factor (1.28)

20-40' (Avg Clearing Widths): Adjustment Factor (0.1)

Total Adjustment Factor:  $2.54 + 0.2 + 1.28 + 0.1 = 4.12$

Base Cost/Acre: \$1,226.56 x Adjustment Factor: 4.12 x Total Acres: 0.25 = \$1,263.36

Subtotal: \$1,263.36

### Section 300 Excavation:

Excavation - Common:  $\$2.69/\text{cy} \times 174.00 \text{ cy} = \$468.06$

Embankment Placement & Compaction 306.f - Common:  $\$0.40/\text{cy} \times 135.00 \text{ cy} = \$54.00$

Subgrade Compaction: 4 Sta/hr  $\$35.36/\text{sta.} \times 4.5 \text{ sta} = \$158.06$

Slope Rounding:  $\$0.40/\text{lf} \times 447.00 \text{ lf} = \$178.80$

Embankment Placement & Compaction 306.a - Common:  $\$1.18/\text{cy} \times 135.00 \text{ cy} = \$159.30$

Blading without ditch:  $\$15.59/\text{station} \times 4.47 \text{ stations} = \$69.69$

Subtotal: \$1,087.91

### Section 700-1200 Surfacing:

Commercial Quarry Name: Commercial Source 2

<u>Length</u>	<u>TopW</u>	<u>BotW</u>	<u>Depth</u>	<u>CWid</u>	<u>#TOs</u>	<u>Width</u>	<u>F.W.L</u>	<u>Taper</u>	<u>Other</u>
0.08mi	14ft	15ft	8in						

Rock Volume = 213.00 LCY

Purchase Price / Royalty:  $\$15.00/\text{LCY} \times 213.00 \text{ LCY} = \$3,195.00$

Processing:  $\$1.22/\text{LCY} \times 213.00 \text{ LCY} = \$259.86$

T11 & T27 Testing:  $\$0.10/\text{LCY} \times 213.00 \text{ LCY} = \$21.30$

Basic Rock Haul cost:  $\$0.85/\text{LCY} \times 213.00 \text{ LCY} = \$181.05$

Rock Haul +15% grades:  $\$2.56/\text{LCY-mi} \times 213.00 \text{ LCY} \times 12.00 \text{ mi} = \$6,543.36$

Basic Water Haul cost:  $\$0.83/\text{LCY} \times 213.00 \text{ LCY} = \$176.79$

Water Haul +15% grades:  $\$0.36/\text{LCY-mi} \times 213.00 \text{ LCY} \times 12.00 \text{ mi} = \$920.16$

Subtotal: \$11,297.52

### Mobilization:

Construction - 1.48% of total Costs = \$106.12

Surfacing - 1.63% by rock volume = \$43.50

Subtotal: \$149.63

Total: \$13,798.41

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Mobilization Costs - Construction and Surfacing**

T.S. Contract Name: Take A Chance TS Sale Date: 09/18/25

Average Mobilization distance = 50 miles Factor = 1.00

Mobilization: Construction

Graders-all: 1 ea x (1.00 x \$558.00/ea + 5 mi x \$18.75/mi)= \$651.75  
Brush Cutter: 1 ea x (1.00 x \$558.00/ea) = \$558.00  
Rollers & Comp: 1 ea x (1.00 x \$558.00/ea + 5 mi x \$28.29/mi)= \$699.45  
Excavators (Lg): 1 ea x (1.00 x \$1208.00/ea + 5 mi x \$33.94/mi)= \$1,377.70  
RTBackhoes 24/30: 1 ea x (1.00 x \$415.00/ea + 5 mi x \$7.36/mi)= \$451.80  
Tractors <= D7: 1 ea x (1.00 x \$883.00/ea + 5 mi x \$49.56/mi)= \$1,130.80  
Dump Truck<=15cy: 1 ea x (1.00 x \$130.00/ea + 5 mi x \$5.44/mi)= \$157.20  
Water Truck: 1 ea x (1.00 x \$138.00/ea + 5 mi x \$5.75/mi)= \$166.75  
Equipment Washing: 8 ea x (\$250.00) /ea = \$2,000.00

Subtotal: \$7,193.45

Mobilization: Surfacing

Graders-all: 1 ea x (1.00 x \$558.00/ea + 5 mi x \$18.75/mi)= \$651.75  
Rollers & Comp: 1 ea x (1.00 x \$558.00/ea + 5 mi x \$28.29/mi)= \$558.00  
Dump Truck<=15cy: 1 ea x (1.00 x \$130.00/ea + 5 mi x \$5.44/mi)= \$157.20  
Water Truck: 1 ea x (1.00 x \$138.00/ea + 5 mi x \$5.75/mi)= \$166.75  
Equipment Washing: 4 ea x (\$250.00) /ea = \$1,000.00

Subtotal: \$2,675.15

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**Summary of Construction Quantities**

T.S. Contract Name: Take A Chance TS    Sale Date: 09/18/25

Road Number	Const	Improv	Renov Decomm	Temp
32-4-20.00 B-D2			213.31	
32-4-33.01A1-A2			79.2	
33-4-03.00A1-A2			29.57	
33-4-03.01 A-B			51.22	
33-4-03.07 A-C			82.9	
33-4-03.08			2.64	
33-4-03.09 (N)	14.77			
33-4-03.10 (N)	6.87			
33-4-09.02			20.06	
33-4-10.01 A			35.9	
33-4-10.01B (N)				
	11.98			
33-4-10.01C (R)		13.2		
33-4-15.00 A-B2			158.4	
33-4-15.01 A-C			160.51	
33-4-15.03 A1	7.92			
33-4-15.05 A-B			102.96	
33-4-15.08 (R)		15.69		
33-4-15.14			6.86	
33-4-15.15			1.58	
33-4-15.16 A			7.92	
33-4-15.16 B(N)				
	7.52			
33-4-15.17 A			2.64	
33-4-15.18 (N)	17.37			
33-4-21.00 B			8.45	
33-4-21.03			1.58	
33-4-22.00 A1-C			90.82	
34-5-10.00A1-C3			743.95	
TR 03-08				1.62
TR 03-11-A				7.98
TR 03-11-B				13.29
TR 09-08-A				3.88
TR 09-08-B				20.73
TR 09-08-C				3.17
TR 15-10 (N)				4.47
Total Sta:	66.43	28.89	1,800.47	55.14



## 200 Clearing and Grubbing

Clearing  
acres

32-4-20.00 B-D2	0.0
32-4-33.01A1-A2	0.5
33-4-03.00A1-A2	0.0
33-4-03.01 A-B	0.5
33-4-03.07 A-C	0.6
33-4-03.08	0.0
33-4-03.09 (N)	1.6
33-4-03.10 (N)	0.8
33-4-09.02	0.1
33-4-10.01 A	0.0
33-4-10.01B (N)	2.0
33-4-10.01C (R)	1.3
33-4-15.00 A-B2	0.5
33-4-15.01 A-C	1.0
33-4-15.03 A1	0.1
33-4-15.05 A-B	0.4
33-4-15.08 (R)	1.5
33-4-15.14	0.0
33-4-15.15	0.0
33-4-15.16 A	0.0
33-4-15.16 B(N)	0.7
33-4-15.17 A	0.0
33-4-15.18 (N)	1.4
33-4-21.00 B	0.0
33-4-21.03	0.0
33-4-22.00 A1-C	0.2
34-5-10.00A1-C3	1.0
TR 03-08	0.2
TR 03-11-A	0.6
TR 03-11-B	1.0
TR 09-08-A	0.4
TR 09-08-B	2.0
TR 09-08-C	0.4
TR 15-10 (N)	0.3

Totals: 18.25

RMU Clear and Grub	34-5-10.00A1-C3	
Excavator with track pads - Large (3 CY)		26 hr
RMU Clear and Grub	33-4-03.01 A-B	
Excavator - Large (3 CY)		6 hr
RMU Clear and Grub	33-4-03.07 A-C	
Excavator - Large (3 CY)		6 hr
RMU Clear and Grub	32-4-33.01A1-A2	
Excavator - Large (3 CY)		10 hr
RMU Clear and Grub	33-4-15.00 A-B2	
Excavator - Large (3 CY)		4 hr
RMU Clear and Grub	33-4-09.02	
Excavator - Large (3 CY)		2 hr
RMU Clear and Grub	33-4-15.01 A-C	
Excavator - Large (3 CY)		14 hr
RMU Clear and Grub	33-4-15.05 A-B	
Excavator - Large (3 CY)		8 hr
RMU Clear and Grub	33-4-15.03 A1	
Excavator - Large (3 CY)		2 hr
RMU Clearing and Grubbing	33-4-22.00 A1-C	
Excavator - Large (3 CY)		14 hr

## 30 ) Excavation

	Excav LCY.s	Haul sta-yds	Haul yd-mi
33-4-03.09 (N)	3,384	466	15
33-4-03.10 (N)	845	350	11
33-4-10.01B (N)	2,986	402	18
33-4-10.01C (R)	746	0	0
33-4-15.08 (R)	872	0	0
33-4-15.16 B(N)	662	74	6
33-4-15.18 (N)	2,230	878	43
TR 03-08	126	0	0
TR 03-11-A	444	0	0
TR 03-11-B	739	0	0
TR 09-08-A	510	0	0
TR 09-08-B	2,571	0	0
TR 09-08-C	412	0	0
TR 15-10 (N)	174	0	0

Totals:	<u>16,701</u>	<u>2,170</u>	<u>93</u>
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## 400 Drainage

Road Number	CMP Culvert	Polypipes	Downspouts
33-4-03.07 A-C	120 lf	0 lf	0 lf
33-4-03.09 (N)	80 lf	0 lf	0 lf
33-4-03.10 (N)	40 lf	0 lf	0 lf
33-4-15.08 (R)	150 lf	0 lf	0 lf

Total Drainage:	<u>390 lf</u>	<u>          </u>	<u>          </u>
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Culvert Qty	Aluminized	Galvanized	Poly Pipe
12 inch	0 lf	0 lf	
18 inch	0 lf	0 lf	0 lf
24 inch	390 lf	0 lf	0 lf
30 inch	0 lf	0 lf	0 lf
36 inch	0 lf	0 lf	0 lf
42 inch	0 lf	0 lf	
48 inch	0 lf	0 lf	

Downspout Qty	Half Round	Full (poly)	Full (galv)
18 inch	0 lf	0 lf	0 lf
21 inch	0 lf		
24 inch	0 lf	0 lf	0 lf
30 inch			0 lf

500 Renovation	Blade Miles	Slide cy
32-4-20.00 B-D2	4.04	0
32-4-33.01A1-A2	1.50	0
33-4-03.00A1-A2	0.56	0
33-4-03.01 A-B	0.97	0
33-4-03.07 A-C	1.57	0
33-4-03.08	0.05	0
33-4-03.09 (N)	0.28	0
33-4-03.10 (N)	0.13	0
33-4-09.02	0.38	0
33-4-10.01 A	0.68	0
33-4-10.01B (N)	0.23	0
33-4-10.01C (R)	0.25	0
33-4-15.00 A-B2	3.00	0
33-4-15.01 A-C	3.04	0
33-4-15.03 A1	0.15	0
33-4-15.05 A-B	1.95	0
33-4-15.08 (R)	0.30	0
33-4-15.14	0.13	0
33-4-15.15	0.03	0
33-4-15.16 A	0.15	0
33-4-15.16 B(N)	0.14	0
33-4-15.17 A	0.05	0
33-4-15.18 (N)	0.33	0
33-4-21.00 B	0.16	0
33-4-21.03	0.03	0
33-4-22.00 A1-C	1.72	0

Totals:	21.82	0
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Grade Truck Turnaround MP 1.69 33-4-15.00 A-B2

Motor Grader 14M . . . . .	2 hr
Excavator - Large (3 CY) . . . . .	1 hr
Heavy Blading 33-4-10.01C (R)	
Tractor: D7 with rippers . . . . .	3 hr
Heavy Blading 33-4-15.08 (R)	
Tractor: D7 with rippers . . . . .	3 hr
Heavy Renovation Blading 33-4-03.08	
Tractor: D5 with winch . . . . .	4 hr
Heavy renovation blading 33-4-03.00A1-A2	
Tractor: D5 with winch . . . . .	12 hr
Repair Fill-slope MP 0.74 33-4-03.07 A-C	
Excavator - Large (3 CY) . . . . .	3 hr
RMU Road Repairs 33-4-03.07 A-C	
Backhoe . . . . .	3 hr
Motor Grader 14M . . . . .	3 hr
RMU Road Repairs 32-4-33.01A1-A2	
Backhoe . . . . .	5 hr
Motor Grader 14M . . . . .	5 hr
RMU Road Repairs 33-4-15.00 A-B2	
Backhoe . . . . .	2 hr
Motor Grader 14M . . . . .	2 hr
RMU Road Repairs 33-4-09.02	
Backhoe . . . . .	1 hr
Motor Grader 14M . . . . .	1 hr
RMU Road Repairs 33-4-15.01 A-C	
Backhoe . . . . .	7 hr
Motor Grader 14M . . . . .	7 hr
RMU Road Repairs 33-4-15.05 A-B	
Backhoe . . . . .	4 hr
Motor Grader 14M . . . . .	4 hr
RMU Road Repairs 33-4-15.03 A1	
Backhoe . . . . .	1 hr
Motor Grader 14M . . . . .	1 hr
RMU Road Repairs 33-4-22.00 A1-C	
Backhoe . . . . .	7 hr
Motor Grader 14M . . . . .	7 hr

Surfacing (Loose Cubic Yards)

Note: Due to slight rounding differences between total LCY vs. subtotaled LCY,  
Totals shown here may not be exactly as shown in the road summaries and worksheets.

Quarry Name: Commercial Source

Commercial	Roadway	Turnouts	Other	
33-4-21.03	38	0	0	38
33-4-21.00 B	204	0	0	204
33-4-22.00 A1-C	2,297	86	0	2,383
33-4-15.18 (N)	439	59	0	498
33-4-15.08 (R)	397	12	0	409
33-4-15.05 A-B	1,923	62	0	1,985
33-4-15.14	173	12	0	185
33-4-15.16 A	191	0	0	191
33-4-15.16 B(N)	182	30	0	212
32-4-33.01A1-A2	1,335	49	0	1,384
33-4-03.00A1-A2	242	0	0	242
33-4-03.08	59	0	0	59
33-4-03.09 (N)	357	33	0	390
33-4-03.10 (N)	166	21	0	187
33-4-03.07 A-C	0	0	60	60
Totals:	8,003	364	60	8,427

Quarry Name: Commercial Source 2

Commercial	Roadway	Turnouts	Other	
33-4-15.18 (N)	957	144	0	1,101
33-4-15.08 (R)	864	25	0	889
33-4-15.16 B(N)	395	66	0	461
33-4-03.00A1-A2	536	49	0	585
33-4-03.08	132	0	0	132
33-4-03.09 (N)	789	66	0	855
33-4-03.10 (N)	367	41	0	408
TR 15-10 (N)	213	0	0	213
Totals:	4,253	391	0	4,644

Quarry Name: RipRap Source

Commercial	Roadway	Turnouts	Other	
33-4-03.07 A-C	0	0	30	30
Totals:	0	0	30	30

1400 Slope Protection

SEE QUARRY RIP RAP SOURCE ABOVE

1800 Soil stabilization - acres

	Dry W/O Mulch	Dry/with Mulch	Hydro Mulch
32-4-33.01A1-A2	0.0	0.0	0.0
33-4-03.01 A-B	0.0	0.0	0.0
33-4-03.07 A-C	0.0	0.0	0.0
33-4-15.00 A-B2	0.0	0.0	0.0
33-4-15.01 A-C	0.0	0.0	0.0
33-4-15.03 A1	0.0	0.0	0.0
33-4-15.05 A-B	0.0	0.0	0.0
33-4-22.00 A1-C	0.0	0.0	0.0
34-5-10.00A1-C3	0.0	0.0	0.0

Totals: 0.00 4.45 0.00

Small Quantity Factor of 1.33 used

2100 RoadSide Brushing	acres
32-4-20.00 B-D2 - Manual Brushing	3.9
32-4-33.01A1-A2 - Manual Brushing	1.5
33-4-03.00A1-A2 - Manual Brushing	0.5
33-4-03.01 A-B - Manual Brushing	0.9
33-4-03.07 A-C - Manual Brushing	1.5
33-4-03.08 - Manual Brushing	0.1
33-4-09.02 - Manual Brushing	0.4
33-4-10.01 A - Manual Brushing	0.7
33-4-15.00 A-B2 - Manual Brushing	3.0
33-4-15.01 A-C - Manual Brushing	3.0
33-4-15.03 A1 - Manual Brushing	0.2
33-4-15.05 A-B - Manual Brushing	1.9
33-4-15.14 - Manual Brushing	0.1
33-4-15.15 - Manual Brushing	0.0
33-4-15.16 A - Manual Brushing	0.2
33-4-15.17 A - Manual Brushing	0.1
33-4-21.00 B - Manual Brushing	0.2
33-4-21.03 - Manual Brushing	0.0
33-4-22.00 A1-C - Manual Brushing	1.7

Totals:	19.71
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Chipping Roadside Brush	33-4-09.02	
Brush Chipper . . . . .		4 hr
Chipping Roadside Brush	33-4-21.00 B	
Brush Chipper . . . . .		2 hr
Chipping Roadside Brush	33-4-22.00 A1-C	
Brush Chipper . . . . .		17 hr
Chipping Roadside Brush	33-4-15.03 A1	
Brush Chipper . . . . .		2 hr
Chipping Roadside Brush	33-4-15.05 A-B	
Brush Chipper . . . . .		20 hr
Chipping Roadside Brush	33-4-15.14	
Brush Chipper . . . . .		1 hr
Chipping Roadside Brush	33-4-15.15	
Brush Chipper . . . . .		1 hr
Chipping Roadside Brush	33-4-15.16 A	
Brush Chipper . . . . .		2 hr
Chipping Roadside Brush	33-4-15.01 A-C	
Brush Chipper . . . . .		30 hr
Chipping Roadside Brush	32-4-20.00 B-D2	
Brush Chipper . . . . .		40 hr
Chipping Roadside Brush	33-4-15.00 A-B2	
Brush Chipper . . . . .		30 hr
Chipping Roadside Brush	32-4-33.01A1-A2	
Brush Chipper . . . . .		15 hr
Chipping Roadside Brush	33-4-03.00A1-A2	
Brush Chipper . . . . .		6 hr
Chipping Roadside Brush	33-4-03.08	
Brush Chipper . . . . .		1 hr
Chipping Roadside Brush	33-4-03.07 A-C	
Brush Chipper . . . . .		16 hr
Chipping Roadside Brush	33-4-03.01 A-B	
Brush Chipper . . . . .		10 hr
Chipping Roadside Brush	33-4-10.01 A	
Brush Chipper . . . . .		7 hr
Chipping Roadside Brush	33-4-15.17 A	
Brush Chipper . . . . .		1 hr
Chipping Roadside Brushing	33-4-21.03	
Brush Chipper . . . . .		1 hr

8000 Miscellaneous

HPOC - BMPs at Grave Creek 33-4-21.03	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at Lick Creek 33-4-21.00 B	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.04 32-4-33.01A1-A2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.18 33-4-03.01 A-B	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.24 33-4-22.00 A1-C	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.37 32-4-20.00 B-D2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.44 33-4-22.00 A1-C	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.45 33-4-15.00 A-B2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.50 33-4-15.01 A-C	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.64 33-4-22.00 A1-C	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.71 33-4-03.07 A-C	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.78 32-4-20.00 B-D2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.88 33-4-15.01 A-C	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 0.94 33-4-15.01 A-C	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 1.04 33-4-15.00 A-B2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 1.14 33-4-15.00 A-B2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 1.21 33-4-15.01 A-C	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 1.36 33-4-15.00 A-B2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 1.86 33-4-15.00 A-B2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 2.13 33-4-15.00 A-B2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr
HPOC - BMPs at MP 2.21 33-4-15.00 A-B2	
Crew Cab or 3/4 Ton Pickup . . . . .	1 hr
General Laborer . . . . .	1 hr



**1) Road Use Fees - Amortization**

Details:

R/W Number	Road Number	Rd Use Fee	x	Vol MBF	=	Road Use Obligation
M-660_Sisk	33-4-15.16 A	\$2.00		200		\$400.00

Subtotal by agreement number:

M-660\_Sisk \$400.00

(1.1) Subtotal \$400.00

**2) BLM Maintenance - Timber Haul**

MAINTENANCE (2.1)										ROCKWEAR (2.2)				
Road Number and Segment	A N	Surf Type	Mi	x	Maint Fee	x	Vol MBF	=	Maint	Rkwear Fee	x	Vol MBF	=	Rkwear
34-5-10.00A1-A6	A	BST	6.19		0.82		5778		\$29,327.97	0.00		5778		\$0.00
34-5-10.00B1-B3	A	BST	4.04		0.82		11556		\$38,282.72	0.00		11556		\$0.00
34-5-10.00 B4	A	BST	0.74		0.82		8805		\$5,342.87	0.00		8805		\$0.00
34-5-10.00 B5	A	BST	0.48		0.82		6171		\$2,428.91	0.00		6171		\$0.00
34-5-10.00 C1	A	BST	0.98		0.82		1624		\$1,305.05	0.00		1624		\$0.00
34-5-10.00 C2	A	BST	0.40		0.82		1471		\$482.49	0.00		1471		\$0.00
34-5-10.00 C3	A	BST	0.92		0.82		1436		\$1,083.32	0.00		1436		\$0.00
33-4-21.03	A	BST	0.03		0.82		2751		\$67.67	0.00		2751		\$0.00
34-4-28.00 A-B	A	BST	1.39		0.82		5778		\$6,585.76	0.00		5778		\$0.00
34-4-28.00 C-K	A	AGG	5.88		0.77		5778		\$26,160.47	0.85		5778		\$28,878.44

(2.1) Subtotal \$111,067.23

(2.2) Subtotal \$28,878.44

**3) Third Party Maintenance and Rockwear**

Agrmnt Number	Surface Type	Road Number	MAINTENANCE (3.1)					ROCKWEAR (3.2)						
			Maint					Rkwear						
			Mi	x	Fee	x	MBF	=	Maint	Fee	x	MBF	=	Rkwear
M-660_HX	AGG	33-4-22.00 B	0.35						\$0.00	\$0.85	x	807	=	\$240.08
M-660_HX	AGG	33-4-03.07 B	0.54						\$0.00	\$0.85	x	246	=	\$112.91
M-660_HX	NAT	33-4-03.01 B	0.14						\$0.00	\$0.00	x	1241	=	\$0.00
M-660_HX	NAT	33-4-10.01 A	0.68						\$0.00	\$0.00	x	1241	=	\$0.00
M-660_SG	NAT	33-4-15.17 A	0.05						\$0.00	\$0.00	x	4	=	\$0.00
M-660_Sisk	AGG	33-4-15.16 A	0.15						\$0.00	\$0.85	x	200	=	\$25.50

Subtotal of maintenance fees by agreement number:

Subtotal of rockwear fees by agreement number:

M-660\_HX \$352.99  
M-660\_SG \$0.00  
M-660\_Sisk \$25.50

(3.1) Subtotal \$0.00

(3.2) Subtotal \$378.49

**4) Other Maintenance Payments - USFS or Others Perform Maintenance**

Agency	Road Number	Miles (Log)	Vol (mbf)	Fee x MBF/MI	=	Cost
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(4.1) Subtotal \$0.00



## 5) Purchaser Maintenance - Rock Wear

TIMBER HAUL (5.1)

Road No and Segment	A N	Mi	x	RkWear Fee	x	Vol MBF	=	Total RkWear
33-4-10.01 A	N	0.68	x	\$0.00	x	1241	=	\$0.00
33-4-10.01 B (N)	N	0.23	x	\$0.00	x	1241	=	\$0.00
33-4-10.01 C (R)	N	0.25	x	\$0.00	x	561	=	\$0.00
33-4-03.01 A	A	0.83	x	\$0.85	x	1401	=	\$988.41
33-4-03.00 A2	A	0.37	x	\$0.00	x	2303	=	\$0.00
33-4-03.09 (N)	A	0.28	x	\$0.85	x	1320	=	\$314.16
33-4-03.08	A	0.05	x	\$0.85	x	1320	=	\$56.10
33-4-03.00 A1	A	0.19	x	\$0.85	x	3935	=	\$635.50
32-4-33.01 A1	A	0.40	x	\$0.85	x	4231	=	\$1,438.54
32-4-33.01 A2	A	0.50	x	\$0.85	x	261	=	\$110.93
32-4-33.01 A2	A	0.60	x	\$0.85	x	4219	=	\$2,151.69
33-4-03.07 A	A	0.18	x	\$0.85	x	265	=	\$40.55
33-4-03.07 C	A	0.85	x	\$0.85	x	246	=	\$177.74
33-4-15.00 A	A	1.22	x	\$0.85	x	4574	=	\$4,743.24
33-4-15.00 B1	A	0.23	x	\$0.85	x	4256	=	\$832.05
33-4-15.00 B1	A	0.34	x	\$0.85	x	4574	=	\$1,321.89
33-4-15.00 B1	A	0.97	x	\$0.85	x	4231	=	\$3,488.46
33-4-15.00 B2	A	0.22	x	\$0.85	x	4231	=	\$791.20
33-4-15.01 A	A	1.15	x	\$0.85	x	2624	=	\$2,564.96
33-4-15.01 B2	A	0.40	x	\$0.85	x	2624	=	\$892.16
33-4-15.01 B2	A	0.44	x	\$0.85	x	1950	=	\$729.30
33-4-15.01 C	A	0.99	x	\$0.85	x	1580	=	\$1,329.57
33-4-09.02	A	0.38	x	\$0.85	x	644	=	\$208.01
33-4-15.08 (R)	A	0.30	x	\$0.85	x	770	=	\$196.35
33-4-15.18 (N)	A	0.33	x	\$0.85	x	807	=	\$226.36
33-4-22.00 A1	A	0.35	x	\$0.85	x	1320	=	\$392.70
33-4-22.00 A1	A	0.58	x	\$0.85	x	2751	=	\$1,356.24
33-4-22.00 A2	A	0.29	x	\$0.85	x	817	=	\$201.39
33-4-22.00 C	A	0.15	x	\$0.85	x	807	=	\$102.89
33-4-15.03 A1	A	0.15	x	\$0.85	x	61	=	\$7.78
33-4-15.15	A	0.03	x	\$0.85	x	3	=	\$0.08
33-4-15.14	A	0.13	x	\$0.85	x	169	=	\$18.67
33-4-15.05 B	A	0.51	x	\$0.85	x	386	=	\$167.33
33-4-15.05 B	A	0.50	x	\$0.85	x	656	=	\$278.80
33-4-15.16 B(N)	A	0.14	x	\$0.85	x	210	=	\$24.99
33-4-15.05 A	A	0.60	x	\$0.85	x	1097	=	\$559.47
33-4-15.05 A	A	0.34	x	\$0.85	x	1431	=	\$413.56
33-4-21.00 B	A	0.16	x	\$0.85	x	2751	=	\$374.14
33-4-21.03	A	0.03	x	\$0.85	x	2751	=	\$70.15

(5.1) Subtotal \$27,205.36

## Purchaser Operational Maintenance

### Move In

Equipment	No Units	Move x in	Cost/ 50 Mi	Dist x Factor	Sub- total
Motor Grader:	1	3	\$558	1.00	\$1,674.00
Back Hoe:	1	3	\$415	1.00	\$1,245.00
Loader:			\$558	0.63	\$0.00
Water Truck:	1	3	\$138	1.00	\$414.00
Dump Truck:			\$130	0.63	\$0.00
Excavator:	1	3	\$558	1.00	\$1,674.00
Roller:	1	3	\$558	1.00	\$1,674.00

(5.2A) Total \$6,681.00

**Culvert Maintenance - Including Catch basins and Downpipes**

Miles	x	Cost/Mi	=	Subtotal
15		\$514.62		\$7,719.30

(5.2B) Total \$7,719.30

**Grading (Includes Ditches and Shoulders)**

	Miles	x	Cost/Mi	x	Freq	=	Subtotal
Blade w/ Ditch:	15.00		939.38		1		\$14,090.70
Blade w/o Ditch:	0.00		568.71		0		\$0.00

(5.2C) Total \$14,090.70

**Slide and Slough removal, Slump Repair (15 sta-yds. ea.)**

Type	No Slides	Hours	Equip	
Equipment	/Slumps	x Each	x Cost	= Subtotal
Grader:	2	5	\$187.45	\$1,874.50
Loader:	2	5	\$117.39	\$1,173.90
Backhoe:	2	5	\$111.88	\$1,118.80

(5.2D) Total \$4,167.20

**Dust Palliative (Water)**

## Spreading Hours

No	Freq	Truck	
Miles	/ MPH	= Hours	x Days x /Day = Hours
0.00	0		0 0 0
Load & Haul =		0.0	0 0 0

Total Hours = 0

Truck Cost: \$114.98/Hr. x 0.0 Hours = \$0.00

(5.2E) Total \$0.00

**Surface Repair (Aggregate)**

Quarry / Source Name:	Commercial Source	
Production Cost:	500.0 CY x \$19.00/CY	= \$9,500.00
Haul to Stockpile:		
Grades > 15%	500.0 CY x ((\$2.56/CY x 8.00 Mi) + \$0.85)	= 10,665.00
Grades <= 15%	500.0 CY x ((\$1.28/CY x 0.00 Mi) + \$0.85)	= \$0.00
State / Co Roads	500.0 CY x ((\$0.57/CY x 0.00 Mi) + \$0.85)	= \$0.00
Process with Grader:	500.0 CY x \$1.22/CY	= \$610.00
Compaction:	500.0 CY x \$1.41/CY	= \$705.00
	SubTotal	<u>\$21,480.00</u>

(5.2F) Total \$21,480.00

**Other**

Fallen Timber Cutting:	0.0 Hours x \$0.00/Hour	= \$0.00
Brush Cutting/Tree Trimming:	0.0 Hours x \$0.00/Hour	= \$0.00
Oil/Asphalt Materials:	Lump Sum	= \$0.00
Signing for Dust Palliatives:	Lump Sum	= \$0.00
	Lump Sum	= \$0.00
	Lump Sum	= \$0.00
	Lump Sum	= \$0.00
	Lump Sum	= \$0.00
	Lump Sum	= \$0.00

(5.2G) Total \$0.00

**Decommissioning****Ripping**

Road Number	Ripping Cost	x	(NumSta or CuYds)	= Total
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(Ripping) Total \$0.00

**Other Costs**

Road Number	Cubic Yds Pullback Material		Qty Waterbars		Qty Earthen Barriers	= Total
33-4-03.00A1-A2	(0x2.23)	+	(2x87.3)	+	(0x261.9)	= \$174.60
33-4-03.07 A-C	(0x2.23)	+	(15x87.3)	+	(1x261.9)	= \$1,571.40
33-4-03.01 A-B	(0x2.23)	+	(2x87.3)	+	(0x261.9)	= \$174.60
33-4-10.01 A	(0x2.23)	+	(5x87.3)	+	(0x261.9)	= \$436.50
33-4-10.01B (N)	(0x2.23)	+	(5x87.3)	+	(0x261.9)	= \$436.50
33-4-10.01C (R)	(0x2.23)	+	(7x87.3)	+	(0x261.9)	= \$611.10
TR 15-10 (N)	(0x2.23)	+	(2x87.3)	+	(1x261.9)	= \$436.50
TR 09-08-A	(0x2.23)	+	(3x87.3)	+	(1x261.9)	= \$523.80
TR 09-08-B	(0x2.23)	+	(20x87.3)	+	(1x261.9)	= \$2,007.90
TR 09-08-C	(0x2.23)	+	(3x87.3)	+	(1x261.9)	= \$523.80
TR 03-08	(0x2.23)	+	(1x87.3)	+	(1x261.9)	= \$349.20
TR 03-11-A	(0x2.23)	+	(5x87.3)	+	(1x261.9)	= \$698.40
TR 03-11-B	(0x2.23)	+	(9x87.3)	+	(1x261.9)	= \$1,047.60

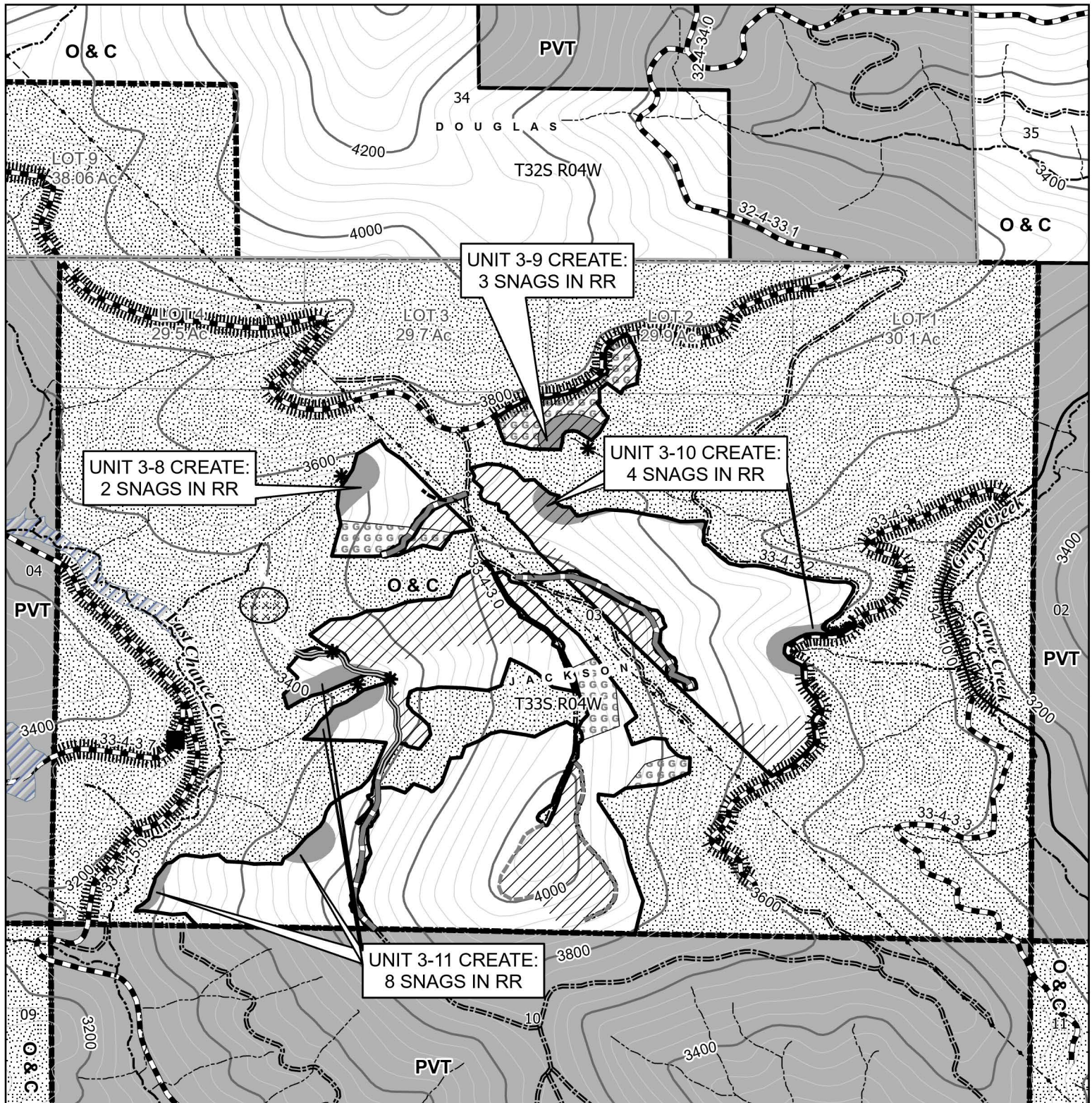
(Other Cost) Total \$8,991.90

**Time & Equipment**

TR 09-08-A Excavator - Large (3 CY): 3 hr @ \$169.70/hr	= \$509.10
TR 09-08-B Excavator - Large (3 CY): 3 hr @ \$169.70/hr	= \$509.10
TR 09-08-C Excavator - Large (3 CY): 3 hr @ \$169.70/hr	= \$509.10
TR 03-08 Excavator - Large (3 CY): 3 hr @ \$169.70/hr	= \$509.10

(5.2H) Decommissioning Total \$11,028.30

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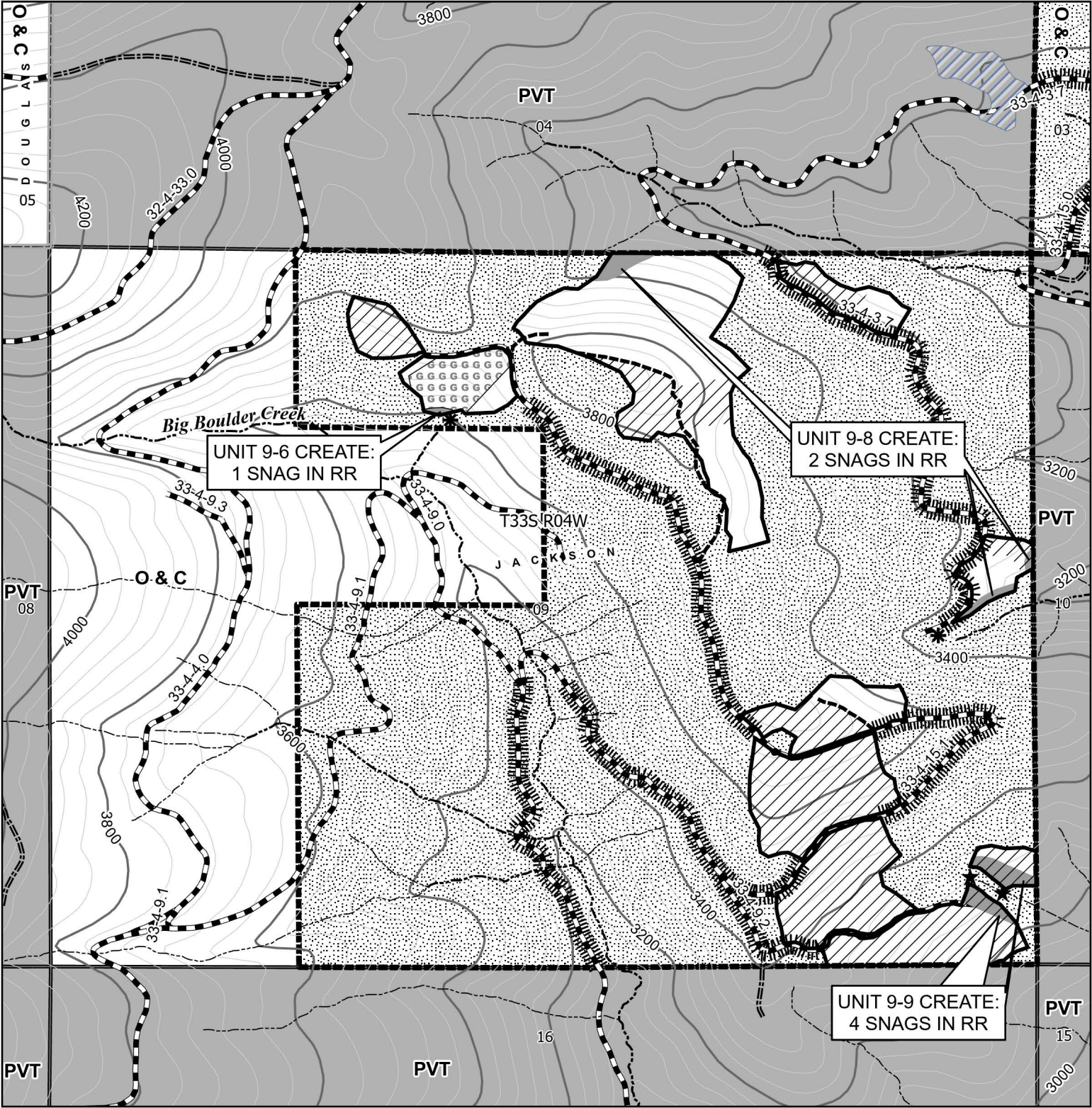
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40 FOOT CONTOUR INTERVAL







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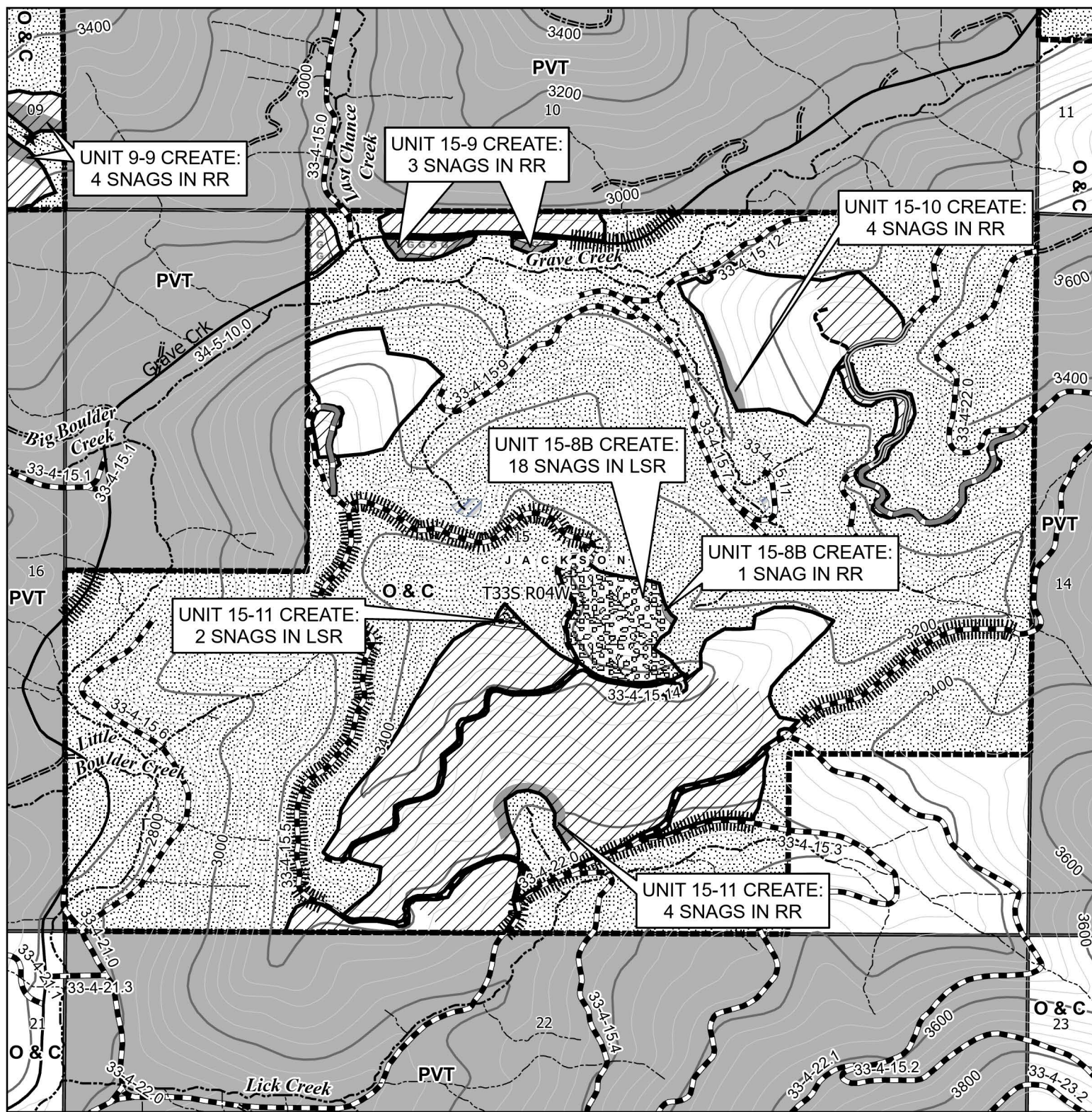
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LEGEND

- Take A Chance Timber Sale Units

Logging System

Cable

Ground-Based (Cat or Shovel)

Gap

Roadside Clearing

★

 Designated Stream Crossing

Take A Chance Snag Creation Areas

LSR

RR

Take A Chance Road Work

Perm Construction

Perm Reconstruction

Temp Construction

Temp Reconstruction

Road Surface Type

Paved

Rocked

Natural Surface

Road Blocked
- Contract Area Boundary

Reserve Area

Intermittent Stream

Perennial Stream

✱

 Springs

Waterbodies

Plant Site Buffer

+-+ -

 Electric Power Transmission Line

County

Township & Range

Section

Government Lots

Ownership

O&C

 Bureau of Land Management

PVT

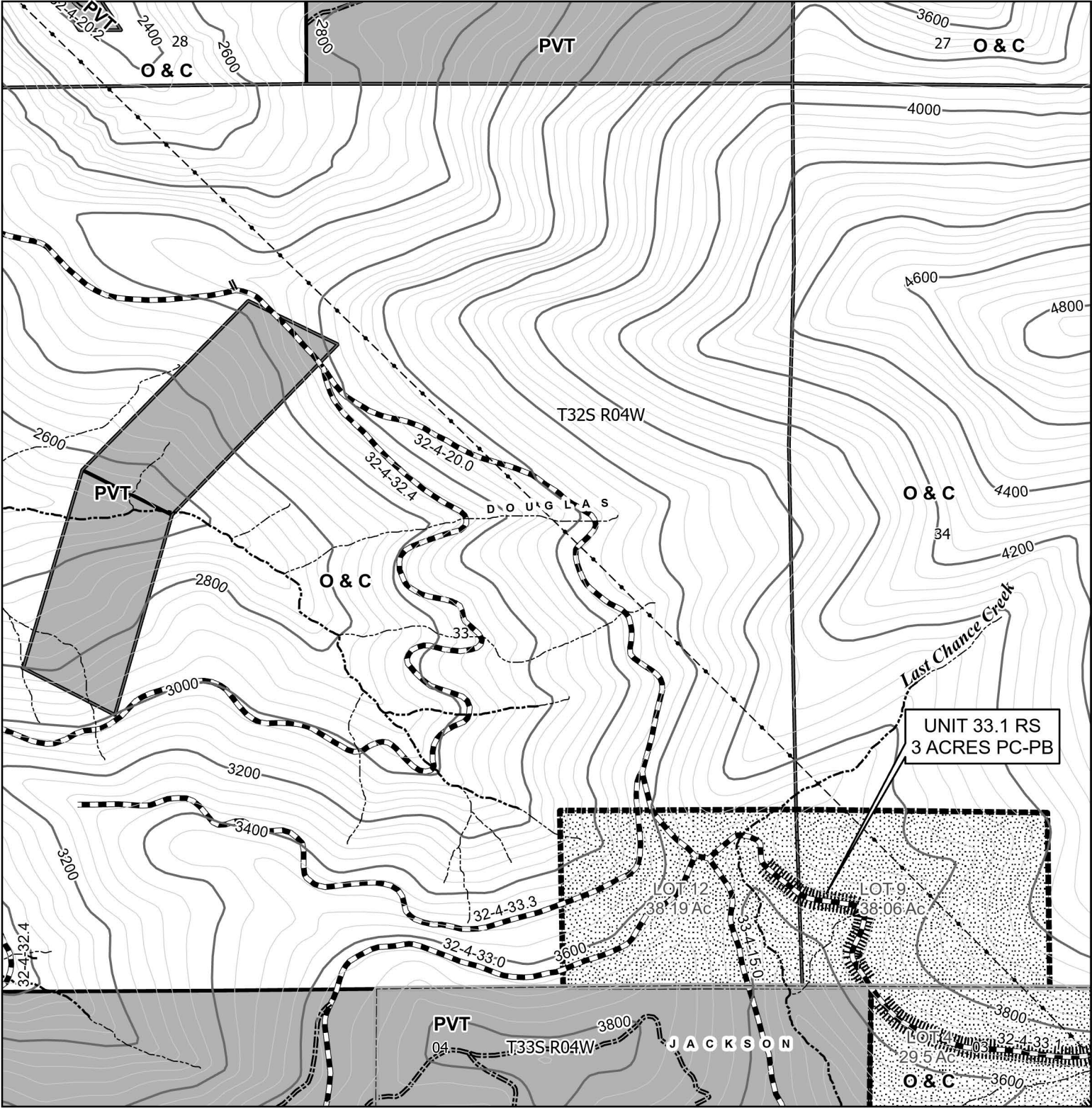
 Private Individual or Company

40 Foot Index Contours

Index - 200 ft.

Intermediate - 40 ft.





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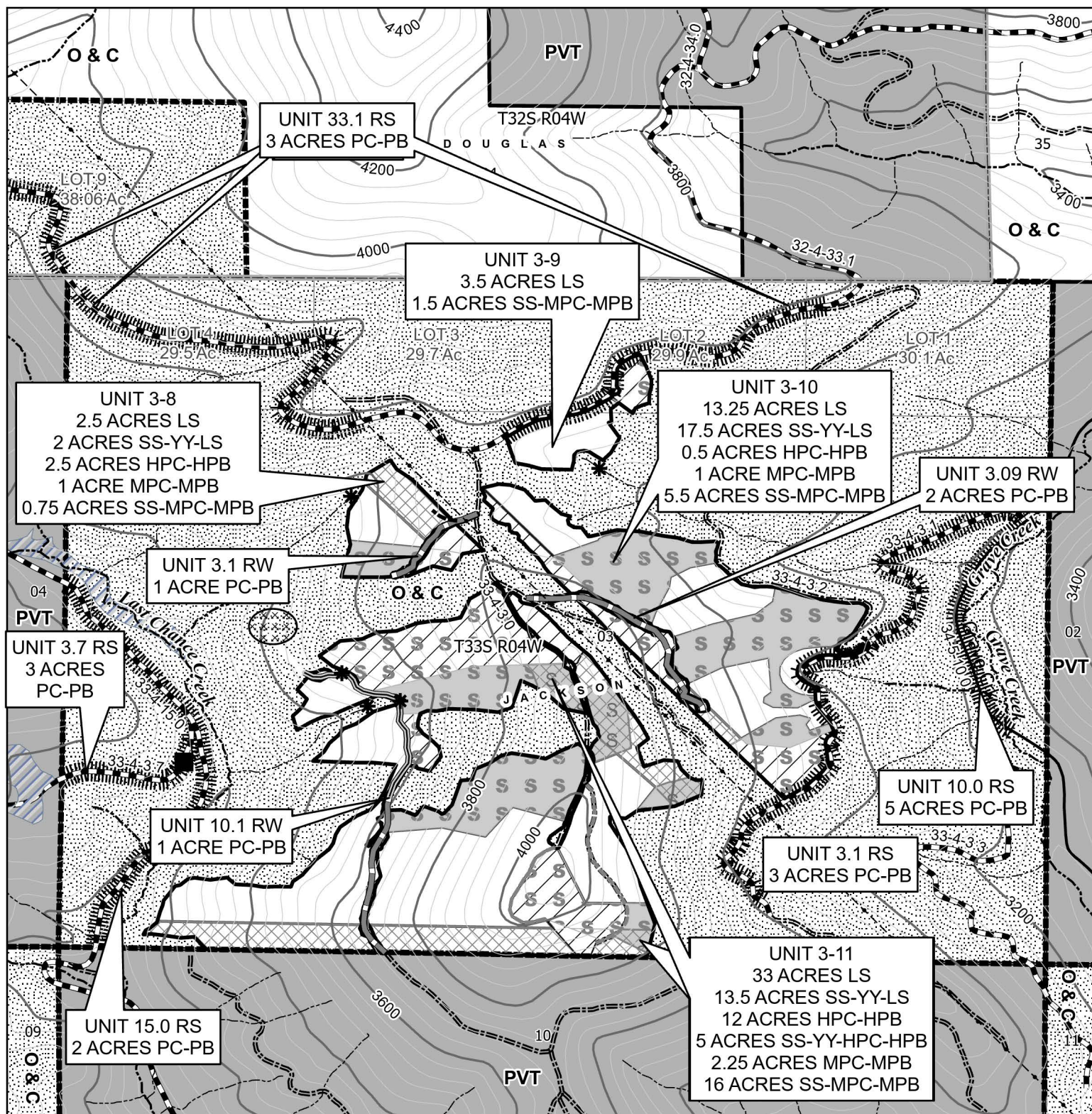
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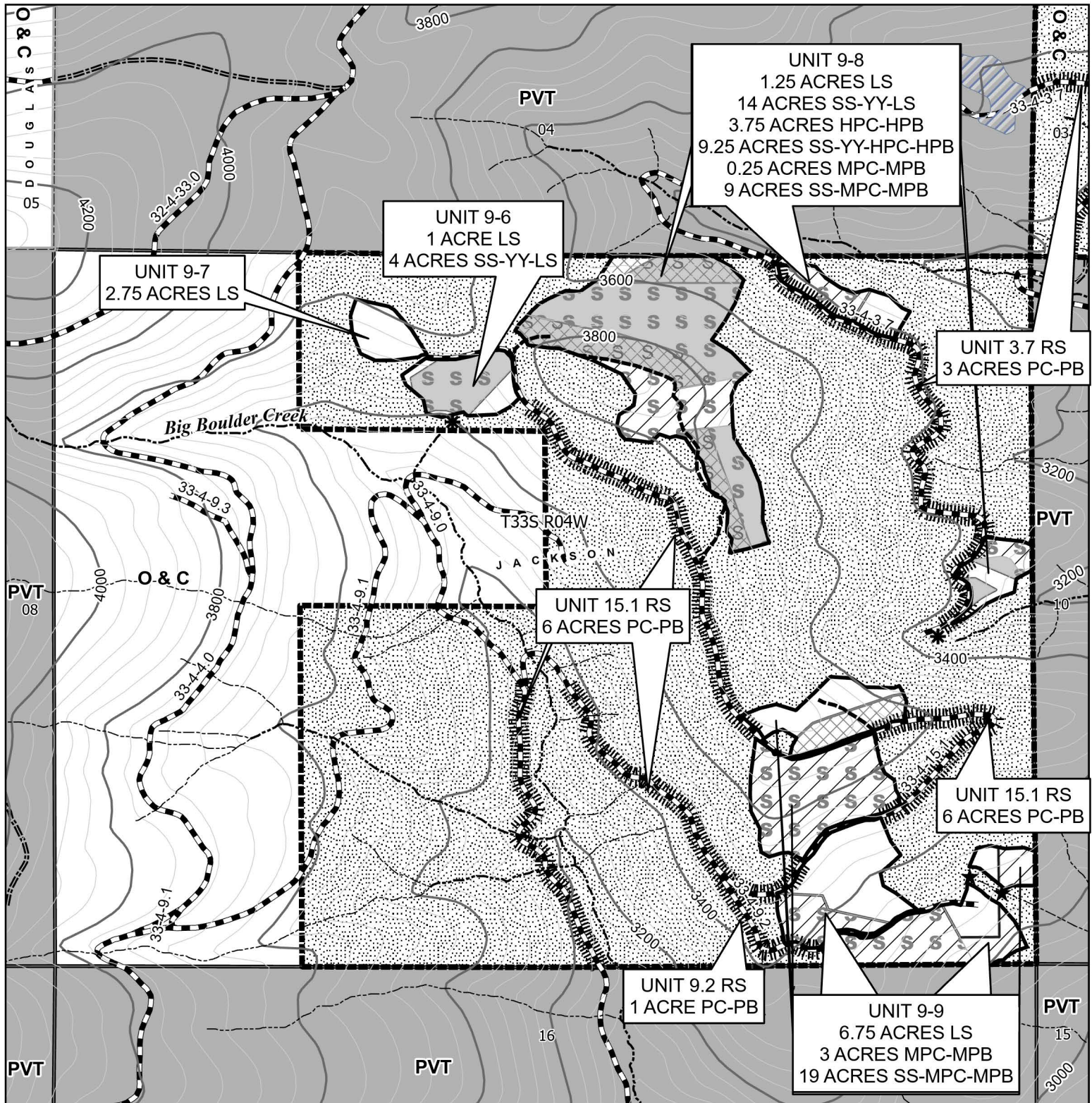
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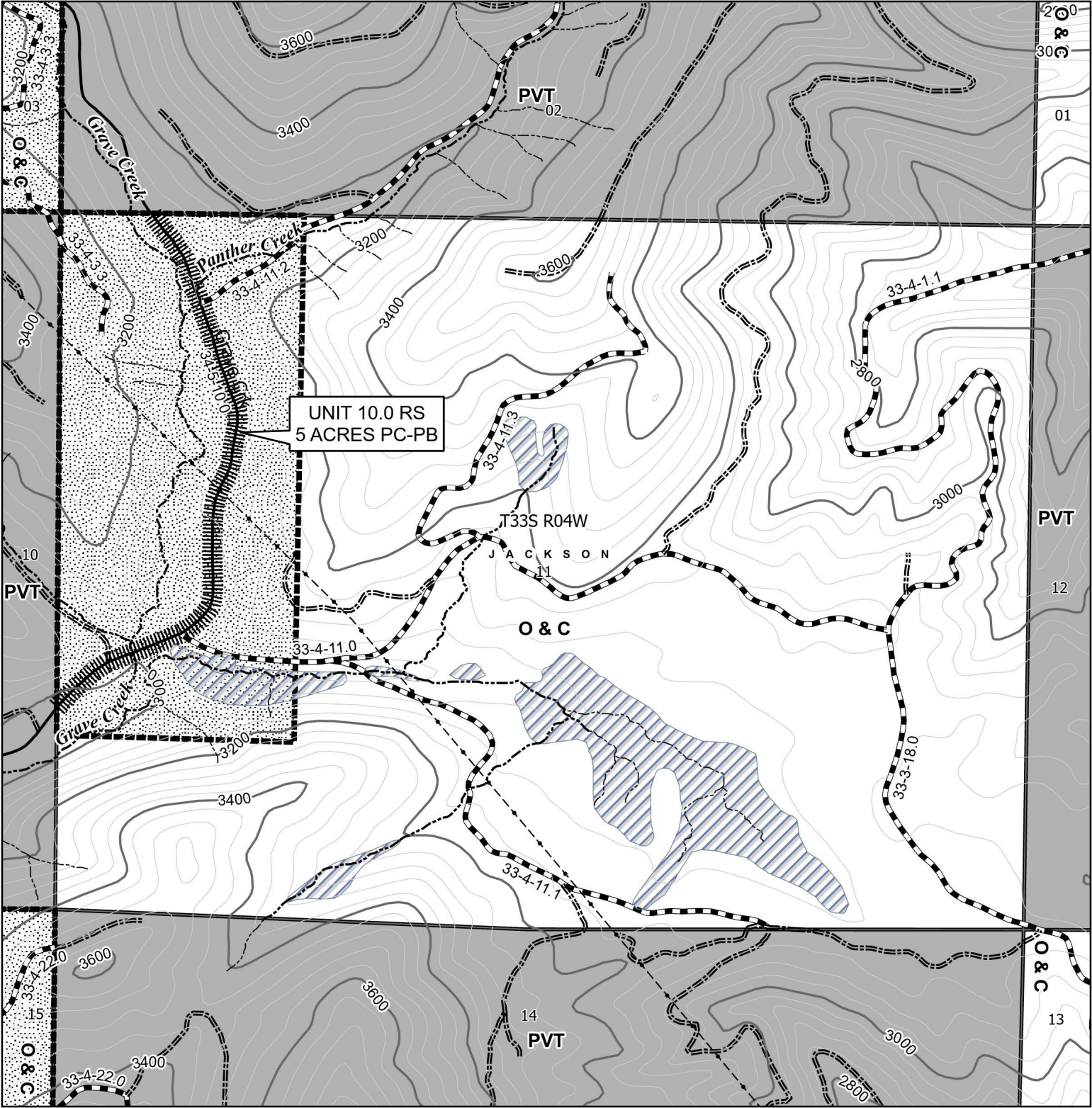
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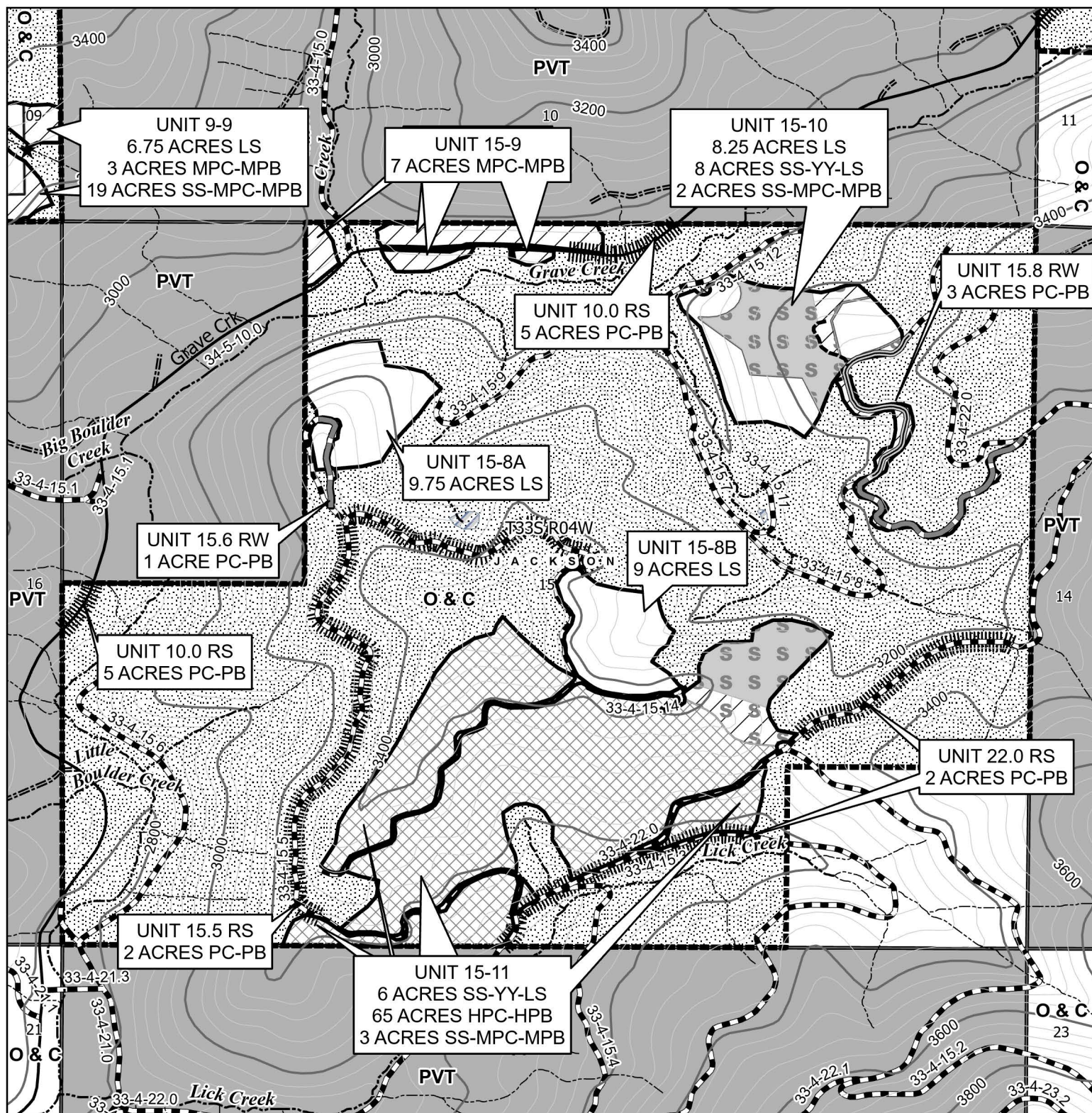
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


































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## LEGEND

	Take A Chance TS Units		Contract Area Boundary
	Take A Chance Slash Disposal		Reserve Area
	Lop & Scatter		Intermittent Stream
	Selective Slash - Yum Yard		Perennial Stream
	Hardwoods $\leq$ 20" DBH - Lop & Scatter		Springs
	Hand Pile, Cover & Burn		Waterbodies
	Selective Slash - Yum Yard		Plant Site Buffer
	Hardwoods $\leq$ 20" DBH - Hand Pile, Cover & Burn		Electric Power Transmission Line
	Machin Pile, Cover & Burn		County
	Selective Slash - Machine Pile, Cover & Burn		Township & Range
	Roadside Clearing - Pile, Cover & Burn		Section
	Designated Stream Crossing		Government Lots
	Take A Chance Road Work		40 Foot Index Contours
	Perm Construction		Index - 200 ft.
	Perm Reconstruction		Intermediate - 40 ft.
	Temp Construction		Ownership
	Temp Reconstruction		Bureau of Land Management
	Road Surface Type		Private Individual or Company
	Paved		
	Rocked		
	Natural Surface		
	Road Blocked		

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**SLASH DISPOSAL SUMMARY BY UNIT AND PRESCRIPTION**

UNIT	UNIT ACRES	SLASH TREATMENT ACRES	LOP & SCATTER ONLY ACRES	SELECTIVE SLASH - YUM YARD - LOP & SCATTER ACRES	HAND PILE, COVER & BURN ONLY ACRES	SELECTIVE SLASH - YUM YARD - HAND PILE ACRES	MACHINE PILE, COVER & BURN ONLY ACRES	SELECTIVE SLASH - MACHINE PILE ACRES	COVER & BURN ROADSIDE PILES ACRES	LANDINGS COVER & BURN ACRES
3-8	9	10.00	2.50	2.00	2.50		1.00	0.75		1.25
3-9	6	6.50	3.50					1.50		1.50
3-10	39	41.00	13.25	17.50	0.50		1.00	5.50		3.25
3-11	87	93.00	33.00	13.50	12.00	5.00	2.25	16.00		11.25
9-6	5	6.25	1.00	4.00						1.25
9-7	3	3.00	2.75							0.25
9-8	42	44.75	1.25	14.00	3.75	9.25	0.25	9.00		7.25
9-9	32	32.50	6.75				3.00	19.00		3.75
15-8A	10	10.75	9.75							1.00
15-8B	9	11.25	9.00							2.25
15-9	8	8.50					7.00			1.50
15-10	19	19.25	8.25	8.00				2.00		1.00
15-11	79	81.25		6.00	65.00			3.00		7.25
3.09 RW	2	2.00							2.00	
3.1 RW	1	1.00							1.00	
10.1 RW	1	1.00							1.00	
15.6 RW	1	1.00							1.00	
15.8 RW	3	3.00							3.00	
3.1 RS	3	3.00							3.00	
3.7 RS	3	3.00							3.00	
9.2 RS	1	1.00							1.00	
10.0 RS	5	5.00							5.00	
15.0 RS	2	2.00							2.00	
15.1 RS	6	6.00							6.00	
15.5 RS	2	2.00							2.00	
22.0 RS	2	2.00							2.00	
33.1 RS	3	3.00							3.00	
<b>TOTAL</b>	<b>383</b>	<b>403</b>	<b>91.00</b>	<b>65.00</b>	<b>83.75</b>	<b>14.25</b>	<b>14.50</b>	<b>56.75</b>	<b>35.00</b>	<b>42.75</b>

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 Bureau of Land Management  
 Medford District Office  
 3040 Biddle Road  
 Medford, OR 97504  
 (541) 618-2200

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## LEGEND

UNIT	UNIT ACRES	SLASH DISPOSAL TREATMENT PRESCRIPTION	TREATMENT AREA DESCRIPTION
3-8	9	LS/SS-YY-LS/HPC-HPB/MPC-MPB/SS-MPC-MPB	HAND PILE CABLE PORTION OF UNIT WITH THIN RX & WITHIN 200' OFF UNIT BOUNDARY ALONG POWERLINES. LOP & SCATTER SLASH IN CABLE PORTION OF UNIT WITH THIN RX & OUTSIDE OF PILE & BURN AREAS. LOP & SCATTER SELECTIVE SLASH YUM YARD CABLE PORTION OF UNIT WITH GAP RX & HIGH CONCENTRATION OF HARDWOODS. MACHINE PILE GROUND-BASED PORTION OF UNIT WITH THIN RX & WITHIN 200' OFF UNIT BOUNDARY ALONG POWERLINES. SELECTIVE SLASH MACHINE PILE GROUND-BASED PORTION OF UNIT WITH GAP RX & HIGH CONCENTRATION OF HARDWOODS.
3-9	6	LS/SS-MPC-MPB	LOP & SCATTER PORTIONS OF UNIT OUTSIDE OF PILE & BURN AREAS. SELECTIVE SLASH MACHINE PILE PORTIONS OF UNIT WITH HIGH CONCENTRATION OF HARDWOODS.
3-10	39	LS/SS-YY-LS/HPC-HPB/MPC-MPB/SS-MPC-MPB	HAND PILE GROUND-BASED-CAT & CABLE YARD AREAS THAT ARE 100' OFF POWERLINES. SELECTIVE SLASH & MACHINE PILE GROUND-BASED-SHOVEL AREAS. LOP & SCATTER SELECTIVE SLASH & YUM YARD AREAS WITH HIGH CONCENTRATIONS OF HARDWOODS. LOP & SCATTER REST OF UNIT.
3-11	87	LS/SS-YY-LS/HPC-HPB/SS-YY-HPC-HPB/MPC-MPB/SS-MPC-MPB	HAND PILE CABLE PORTION OF UNIT WITHIN 200' OF UNIT BOUNDARY ALONG POWERLINES & SECTION LINES WITHOUT A HIGH CONCENTRATION OF HARDWOODS. LOP & SCATTER OUTSIDE OF PILE & BURN AREAS & OUTSIDE OF AREAS WITH HIGH CONCENTRATIONS OF HARDWOODS. LOP & SCATTER SELECTIVE SLASH YUM YARD CABLE PORTIONS OF THE UNIT THAT ARE OUTSIDE OF PILE & BURN AREAS BUT HAVE A HIGH CONCENTRATION OF HARDWOODS. MACHINE PILE GROUND-BASED PORTIONS OF UNIT WITHIN 200' OF UNIT BOUNDARY ALONG POWERLINES & SECTIONS LINES WITHOUT A HIGH CONCENTRATION OF HARDWOODS. SELECTIVE SLASH HAND PILE YUM YARD CABLE PORTIONS OF THE UNIT WITHIN 200' OF UNIT BOUNDARY ALONG POWERLINES, SECTIONS LINES, & ROAD 33-4-3.0 WITH HIGH CONCENTRATIONS OF HARDWOODS. SELECTIVE SLASH MACHINE PILE GROUND-BASED PORTIONS OF THE UNIT WITHIN 200' OF UNIT BOUNDARY ALONG SECTION LINES & ROAD 33-4-3.0 WITH HIGH CONCENTRATIONS OF HARDWOODS.
9-6	5	LS/SS-YY-LS	LOP & SCATTER SELECTIVE SLASH YUM YARD PORTION OF UNIT WITH GAP RX AND HIGH CONCENTRATION OF HARDWOODS. LOP & SCATTER PORTION OF UNIT WITH THIN RX.
9-7	3	LS	LOP & SCATTER WHOLE UNIT.
9-8	42	LS/SS-YY-LS/HPC-HPB/SS-YY-HPC-HPB/MPC-MPB/SS-MPC-MPB	HAND PILE PORTION OF UNIT 200' ABOVE ROAD 33-4-15.1. HAND PILE CABLE PORTION OF UNIT WITHIN 200' OF UNIT BOUNDARY ALONG SECTION LINE & WITHOUT HIGH CONCENTRATION OF HARDWOODS. LOP & SCATTER PORTIONS OF UNIT OUTSIDE OF PILE & BURN AREAS & OUTSIDE OF HIGH CONCENTRATIONS OF HARDWOODS. LOP & SCATTER SELECTIVE SLASH YUM YARD CABLE PORTIONS OF UNIT OUTSIDE OF PILE & BURN AREAS BUT WITH A HIGH CONCENTRATION OF HARDWOODS. MACHINE PILE GROUND-BASED PORTION OF UNIT WITH THIN RX ALONG UNIT BOUNDARY & SECTION LINE. SELECTIVE SLASH HAND PILE YUM YARD CABLE PORTION OF UNIT WITHIN 200' OF UNIT BOUNDARY ALONG SECTION LINE, WITHIN 200' OF UNIT BOUNDARY ALONG RIDGELINE, & WITHIN 100' BELOW TEMP. ROAD IN AREAS WITH HIGH CONCENTRATIONS OF HARDWOODS. SELECTIVE SLASH MACHINE PILE GROUND-BASED PORTION OF UNIT ABOVE THE TEMP. ROAD, WITHIN 200' BELOW TEMP. ROAD, & BELOW ROAD 33-4-3.7 IN AREAS WITH HIGH CONCENTRATIONS OF HARDWOODS.

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### LEGEND CONTINUED

9-9	32	LS/MPC-MPB/SS-MPC-MPB	LOP & SCATTER OUTSIDE OF PILE & BURN AREAS. MACHINE PILE WITHIN 200' OF UNIT BOUNDARY ALONG SECTION LINE WITH HIGH CONCENTRATION OF HARDWOODS. SELECTIVE SLASH MACHINE PILE IN GROUND-BASED AREAS WITHIN 200' OF UNIT BOUNDARY ALONG SECTION LINE & AREAS WITH HIGH CONCENTRATIONS OF HARDWOODS.
15-8A	10	LS	LOP AND SCATTER WHOLE UNIT.
15-8B	9	LS	LOP AND SCATTER WHOLE UNIT.
15-9	8	MPC-MPB	MACHINE PILE WHOLE UNIT.
15-10	19	LS/SS-YY-LS/SS-MPC-MPB	LOP & SCATTER PORTION OF UNIT WITHOUT HIGH CONCENTRATION OF HARDWOODS. LOP & SCATTER SELECTIVE SLASH YUM YARD CABLE PORTIONS OF THE UNIT WITH HIGH CONCENTRATION OF HARDWOODS. SELECTIVE SLASH MACHINE PILE GROUND-BASED PORTIONS OF UNIT WITH HIGH CONCENTRATIONS OF HARDWOODS.
15-11	79	SS-YY-LS/HPC-HPB/SS-MPC-MPB	HAND PILE PORTION OF UNIT 200' WITH THIN RX. LOP & SCATTER SELECTIVE SLASH YUM YARD CABLE PORTION OF UNIT WITH VARIABLE RETENTION HARVEST RX. SELECTIVE SLASH MACHINE PILE GROUND-BASED PORTION OF UNIT WITH VARIABLE RETENTION HARVEST RX.
3.09 RW	2	PC-PB	COVER AND BURN ROADSIDE PILES.
3.1 RW	1	PC-PB	COVER AND BURN ROADSIDE PILES.
10.1 RW	1	PC-PB	COVER AND BURN ROADSIDE PILES.
15.6 RW	1	PC-PB	COVER AND BURN ROADSIDE PILES.
15.8 RW	3	PC-PB	COVER AND BURN ROADSIDE PILES.
3.1 RS	3	PC-PB	COVER AND BURN ROADSIDE PILES.
3.7 RS	3	PC-PB	COVER AND BURN ROADSIDE PILES.
9.2 RS	1	PC-PB	COVER AND BURN ROADSIDE PILES.
10.0 RS	5	PC-PB	COVER AND BURN ROADSIDE PILES.
15.0 RS	2	PC-PB	COVER AND BURN ROADSIDE PILES.
15.1 RS	6	PC-PB	COVER AND BURN ROADSIDE PILES.
15.5 RS	2	PC-PB	COVER AND BURN ROADSIDE PILES.
22.0 RS	2	PC-PB	COVER AND BURN ROADSIDE PILES.
33.1 RS	3	PC-PB	COVER AND BURN ROADSIDE PILES.
<b>TOTAL</b>	<b>383</b>		

\* BOUNDARIES OF HARVEST UNITS  
 ARE POSTED AND PAINTED IN

LS = LOP & SCATTER

HPC-HPB = HAND PILE & COVER, HAND PILE BURN

MPC-MPB = MACHINE PILE & COVER, MACHINE PILE BURN

SS = SELECTIVE SLASH

YY = YUM YARD

PC-PB = PILE COVER & PILE BURN

RX = PRESCRIPTION

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