

# **TIMBER SALE APPRAISAL**

**Siuslaw National Forest**

**Hebo Ranger District**

**Battle Thin STWD**

---

(Sale Name)

**14102**

---

(SALE Number)

**North Nestucca EA**

---

(EA/EIS/CE)

## Battle Thin STWD NARRATIVE

### Description of Contract Area

This contract consists of 9 commercial thinning subdivisions totaling 239 acres and will be sold as a ton contract and scaled 100% weight. There is an estimated 19,111 tons (6,482 ccf or 3,308 mbf) in this contract.

### General Location

This contract is approximately 10 miles northeast of Hebo, Oregon along Forest Service Road 8172 and is in the North Nestucca watershed.

### Routes of Access

Contract is appraised to Tillamook, Oregon via Highway 101, County road 857 and National Forest System road 8172 and 8172-115.

### Relation to Other Contracts

There are no other contracts nearby.

### Marking

Subdivision boundaries are flagged with blue ribbon and tagged with blue boundary tags. Boundary trees are marked with orange tracer paint. All subdivisions are designation by description. Subdivisions 13, 20, 32, 33, 39, 44, 46, and 50 include ½ and 1 acre gaps. Gap centers are identified by a leave tree with an orange tracer paint band at DBH and a mark on the stump.

### Logging

This contract is appraised for 74% skyline yarding and 26% ground-based yarding. Ground-based yarding will not be allowed on slopes greater than 30%. Elevated tailholds and intermediate supports will be needed to meet yarding objectives. Some downhill yarding is required. Directional felling is required. Full suspension is required when yarding across streamcourses.

### Roads and Other Developments

Approximately 2.77 miles of temporary roads and 54 landings are planned. Rock will be needed for temporary roads at the approach to all season system roads. 380 cubic yards of rock was appraised for temporary roads and 200 cubic yards of rock was appraised for landings.

### Road Maintenance

Contractor will be responsible for prehaul, routine, seasonal, and post haul maintenance on system roads. 340 cubic yards of spot rock will be needed on system roads. Specific requirements to prevent the spread of invasive species are included in the road maintenance specifications.

### Specified Road Reconstruction

There is specified reconstruction for road 8172 with a total 4.80 miles. The road completion date is 09/30/2015.

### Erosion Control

Contractor will be required to block temporary roads, install waterbars on landings, skid trails, and temporary roads, and seed landings, skid trails and temporary roads. A coop deposit of \$0.02/ton will be required for the collection and propagation of seed for use on future contracts. Seed will be provided by the Forest Service for use on this contract.

### Slash Disposal

Contractor shall scatter or pile and cover landing slash where present.

### Scaling

The contract will be scaled by 100% weight and paid for by the ton. Contractor shall request an alternate scaling site and enter into a "Weighing Service Agreement". Any load for which no weight ticket is furnished shall be considered a lost sample load with a weight equal to the weight of the heaviest load presented during the billing period, as established by the Forest Service, K-G.8.5.1.

### Others

Road 8172 - segment 1 begins 0.3 mile along valley bottom before road turns at earth barricade to head uphill (TIL-857). Haul restrictions typically listed in K-G.3.1.5# - Project Operation Schedule, have been relocated to K-F.1.2# - Use of Roads. Corporations submitting an offer under this solicitation must include form AD-3030-FS *Representations Regarding Felony Conviction and Tax Delinquent Status for Corporate Applicants*. Seasonal restrictions apply. See contract for details. Equipment cleaning is required before entering the Contract area.

SALE VOLUME SUMMARY  
**Volume Summaries By Unit**

Sale Name: **Battle Thin STWD**

TIM Conversion			0.3392	0.1731	
Unit No.	Acres	TONS	CCF	MBF	TON Vol/Ac*
13	17	1359	461	235	132
20	21	1679	570	291	84
29	22	1759	597	304	73
32	23	1839	624	318	53
33	6	480	163	83	119
39	21	1679	570	291	42
44	44	3519	1194	609	65
46	6	480	163	83	145
50	79	6317	2143	1093	98
<b>TOTAL</b>	<b>239</b>	<b>19111</b>	<b>6482</b>	<b>3308</b>	<b>84</b>

Species	TONS	CCF	% Sale Volume
Douglas fir	15,975	5,389	83
Western Hemlock	1,092	351	6
Sitka Spruce	368	136	2
Red Alder	1,676	606	9
<b>TOTAL</b>	<b>19,111</b>	<b>6,482</b>	<b>100</b>

\*Tons volume was taken from final cruise (one strata). Ton Vol/Ac was calculated by evaluating cruise data unit by unit (M. Ruedy)



**PRODUCT QUALITY ADJUSTMENT - OREGON WESTSIDE**

Use with Appraisal Update #5-14

Sale Name: **Battle Thin STWD**

Date: **27-May-14** (mm/dd/yy)

Species Group #1	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
205	5.0" - 7.99"	#4 sawmill	617.00	528	1,187	274.45	-83.12
	8.0"-11.99"	#3 sawmill	709.00	1,395	2,766	357.58	0.00
	12.0"-17.99"	#2 sawmill	730.00	786	1,362	421.28	63.70
	18.0" - 30.0"	special mill	788.00	48	75	504.32	146.74

\$/ton Avg	Avg lb per cf	Volume CCF
25.00		

BPP for chips = **0.00** /ccf

(insert as override on TEA input screen

under BPP/CCF for products 08 and 20)

**Weighted average Product Quality Adjustment (PQA) for Species Group #1 = -0.17 /ccf**

**Weighted average delivered log price for Species Group #1 = 357.41 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #2	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
263,264,108 true firs spruces	5.0" - 7.99"	#4 sawmill	533.00	80	169	252.31	-52.69
	8.0"-11.99"	#3 sawmill	610.00	96	192	305.00	0.00
	12.0"-17.99"	#2 sawmill	605.00	74	126	355.32	50.32
	18.0" - 24.0"	special mill	610.00				

**Weighted average Product Quality Adjustment (PQA) for Species Group #2 = -5.27 /ccf**

**Weighted average delivered log price for Species Group #2 = 299.73 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #3	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
242	< 12.0"	#4 sawmill	camprun				
	12.0"-23.99"	#3 sawmill	912.00			474.24	0.00
	24.0"+	#2 sawmill	0.00				

**Weighted average Product Quality Adjustment (PQA) for Species Group #3 = 0.00 /ccf**

**Weighted average delivered log price for Species Group #3 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #4	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
350	5.0"-9.99"	If this table is used, → entry needed here	506.00	280	562	252.10	-72.90
	9.99"-11.99"		650.00	12	24	325.00	0.00
	>12.0"		713.00	12	20	427.80	102.80

**Weighted average Product Quality Adjustment (PQA) for Species Group #4 = -15.00 /ccf**

**Weighted average delivered log price for Species Group #4 = 260.79 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #5	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

**Weighted average Product Quality Adjustment (PQA) for Species Group #5 = 0.00 /ccf**

**Weighted average delivered log price for Species Group #5 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #6	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

**Weighted average Product Quality Adjustment (PQA) for Species Group #6 = 0.00 /ccf**

**Weighted average delivered log price for Species Group #6 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

\* Industry grade used to associate minimum dib and delivered log price. Volume comprises mostly the representative grade, but also may include material of other grades.

**PRODUCT QUALITY ADJUSTMENT**  
**Combining Species into Appraisal Groups**  
**Determining Weighted Average Delivered Log Price for the Sale**  
**Use with Appraisal Update #5-14**

Sale Name: Battle Thin STWD

Date: 27-May-14

**Combining Species into Appraisal Groups (for entry into the TEA input screen)**

Geographic Area	<i>Type a "1" into desired cells to combine species into an appraisal group</i>						Combined Prod Qual Adj	Combined Del Log Price
	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6		
Ore West	1	1					-0.59	352.63
Ore East								
Wash West								
Wash East								

**Determining Weighted Average Delivered Log Price for the Sale (for use in analyzing advertised rates)**

Geographic Area	<i>Type a "1" into all cells with volume</i>						Wt Avg Delivered Log Price for the Sale
	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6	
Ore West	1	1		1			344.04
Ore East							
Wash West							
Wash East							

Enter the Combined Product Quality Adjustment on the TEA input screen under PQA/CCF for the main species in the appraisal group. Enter the Del Log Price under Log Pr/CCF on the TEA input screen for the main species in the appraisal group. Use the weighted average delivered log price for the sales to analyze advertised rates, per R6 FSH 2409.22 Appraisal Handbook. **Refer to the PQA User Guide for more information on the calculation and use of delivered log prices.**

*\*\* Click the "Erase" button above to delete all species combination data \*\**  
*\*\* Press the "Delete" key in appropriate cell to erase individual cell input \*\**

**Appraisal Reminder - When combining species, a weighted average Base Period Price needs to be calculated. Use the table below to calculate a weighted average BPP for the appraisal group.**

The Erase Data button erases Forest number, Salvage, and Species Code and Species Volume (CCF) in the table.

Forest number = 12  
 Salvage?? = 1 (1=no, 2=yes)  
 Appraisal zone = 5

**Appraisal Update #5-14**

**teacost.dat file (TEA 05-14)**

The Appraisal Update # and teacost.dat file date **MUST BE THE SAME** in calculating a weighted

**Species BPP Weighting Table**

Species Code	Species Vol (CCF)	BPP from TEACOST.DAT
205	5,389.00	75.02
263	487.00	67.87
Total or Avg	5,876.00	74.43

**MBF Volume Table**

Species Code	Species Vol (MBF)
205	2,757.00
263	250.00
Total	3,007.00

Enter MBF volume from Species Group

# Logging Cost Summary - Estimated Stump To Truck Cost

## Summary By Sale And Logging System

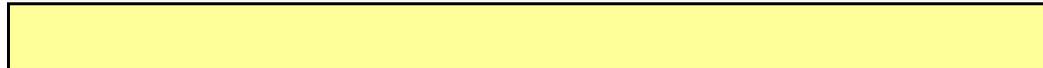
Logging System	Vol Type	Total Volume	Stump-truck \$/vol	Estimated Seasons
Skyline	ccf	4,827	157.05	3
Mechanized		0	0.00	0
Tractor	ccf	1,655	139.56	2
Shovel		0	0.00	0
Helicopter (1)		0	0.00	0
<b>Sale-as-a-whole</b>		<b>6,482</b>	<b>152.58</b>	

ovhd=6.18/ccf or 11.89/mbf, p&r=2% of costs included (except helicopter)

includes biomass:

\$/saw timber

Est biomass cost		Estimated total number <u>operating</u> days for sale	179
Include biomass in sale-as-a-whole?	<input type="checkbox"/>	Variable shutdown cost (all systems, if any) \$/vol	
		Include variable shutdown in sale-as-a-whole?	<input type="checkbox"/>



Include Chipper?

Hours Used

Haul-\$'s

Select helicopter alternative

**Helicopter (1)**

Sale: **Battle Thin STWD**

Date: **5/23/14**

**LOGCOST Version 12.01**

Report summary  
table above in tons



# HAUL COST APPRAISAL - APPRAISAL SUMMARY

Version 7.2, XL 2007 12/1/2009b

Sale name: Battle Thin STWD

Geo. area: OR

Date: 14-Apr-14

Cost type	Average trip rtm's	CCF per load	Tot rtm's per day	Total OT rtm's	CCF vol per day	Gross cost per day	Net cost per day	Net cost per ccf	Net \$/ccf w/inflation
<i>w/o scale</i>									
<i>with scale</i>	175.0	8.0	582.0	102.0	26.61	488.55	514.26	19.33	20.10

**<<Scaling cost is included in the total haul cost below>>**



Include scale cost in final haul cost

**Yes**

Total haul cost, \$/ccf = **\$20.10**

90 minutes

Volume Type...  
CCF

Sale or Haul Narrative

[Empty yellow box for narrative]

Scale cost: \$113.87

**Engineering Notes for Battle Thin STWD**  
**3/05/2014**

A. Haul route roads:

The haul routes for this sale are on National Forest System (NFS) roads 8172, and 8172-115 starting from the sale units and going to County Road 857. Log haul has been appraised to Tillamook, Oregon. NFS roads listed for use are non-key roads under the Siuslaw travel management plan.

Road reconstruction of NFS 8172 is required with the contract. Road 8172 is aggregate surfaced. Tillamook County road 857 needs maintenance considerations.

Maintenance on this contract is contractor responsibility. Spot rock for all non key aggregate system roads is included and appraised for.

There are no known Forest Service timber sales under contract in the area that would share haul roads.

B. System and temporary roads –season of haul, road and stream protection and truck assist.

See logging feasibility report (LFR) for details.

Log haul will comply with a “no effect” determination to listed fish species. Spot rock or “maintenance rock” is available for use at stream crossings during all season haul.

In general, all system and temporary roads identified for year round use are appraised for rock re-surfacing or spot rocking. Temporary roads appraised for full length six inch rock lift to extend haul season are roads 39-1 (first 400 feet to landing 39-F), road 39-2 to landing B, and 39-2a to landing A. Temp road 46-1 to landing B is appraised for a three inch rock lift (40 cy). The contractor has an option to rock for extended season haul on temporary roads 32-1 to landing C, 50-1 and 50-2, unless haul is conflicting with other seasonal restrictions. Spot rocking on NFS 8172 may be necessary if extending haul season to temporary road 32-1. Other temporary roads are not recommended for additional rocking or extended season haul due to stability issues. No stream crossings have been identified on appraised or recommended temporary roads for extended haul season. Coordinate all extended haul season requests with district resource specialists through sale administrator.

Road 8172 is not a connecting road, nor a key road. Keep open (KO) is not required in the contract.

System road 8172 has been appraised for placement of rock in water bars; costs are displayed in the spot rock worksheet.

C. Unit Notes:

Unit 13 – Dry season haul restriction is due to structural strength and rock condition of 8172. Cut bank failures on NFS road 8172 to landing D have been appraised additional 4 hours of cat work to establish road width on 200 feet of failure. Appraised under section F below.

Unit 20 – Dry season haul restriction is due to structural strength and rock condition of this segment of 8172.

Unit 29 – Temporary road 29-1 is appraised additional 4 hours of cat work to re-establish road prism on what may be a failure or possibly fill material stacked on road prism (approximately 200 feet in from beginning of road). Appraised under Section F below. Restricted to dry season haul due to slope instability and temp road conditions.

Unit 32 – Landings A will be shovel logged to landing B just above temporary road 32-1. Additional landing construction cost for 32-B covers clearing for decking and shovel logging. Temporary road 32-1 has adequate rock and structural strength for extended season haul. Contractor option to extend season of haul for landings 32-C through F would include spot rocking on temporary road 32-1 and NFS road 8172.

Unit 33 – Temporary road 39-2 at approximate station 20+40 has two seep/stream crossings about 80 feet apart. Contractor shall install a temporary 24” culvert at the first intermittent stream crossing prior to use of the temporary road. Station 20+40 has been flagged in pink ribbon. Installation costs are appraised under miscellaneous costs, Section F below. The second crossing is shallower and purchaser can blend and shape road with cat work; 10 cy rock are appraised for the second crossing. The streams may be dry during summer when installation and road work would occur. Contractor shall remove the culvert at completion of all work and return stream channel to natural gradients. At approximate station 28+00 is a road junction, right, old 8172-121. A cross drain pipe has been removed exposing a four foot deep fill removal across temporary road 39-2. There is material on site to fill, blend and blade temp 39-2 to grade. Another 10 cy of coarse rock is appraised for structural strength at this location. Following haul, re-define a 3-4 foot trench for ditch drainage from old 121 road to flow across temporary road 39-2. At approximate station 34+00 and 37+30, cross drain (ditch relief) pipes have been removed. Ten cubic yards coarse rock is appraised at each location for contractor to fill, blend and blade through removed cross drains. At approximate station 43+00 is a plugged stream pipe with approximately 80 cy of slough material across road. An estimated four hours for dump truck and excavator to clean pipe inlet, end haul slough material and blade and shape road is appraised below in Section F. Twenty cubic yards coarse rock is appraised for structural strength at this location; road fill is saturated from years of failed stream pipe. Stream pipe will be removed, post haul, with embedded Stewardship project.

Unit 39 – Landings B-D are along existing temporary road 39-1, landing A is at the end of new construction temporary road 39-1a and landings D-F are along temporary road 39-2. Temporary roads to these landings are appraised for all season haul with a six inch rock lift of coarse rock. Blending of waste material in landing 39-B is considered incidental for landing re-opening costs.

Unit 44 - All season haul. All landings are along NFS 8172.

Unit 46 – Landing B is at the end of NFS 8172-115. Landing A is at the end of existing temp road 46-1. Temp road 46-1 between landings A&B has approximately 100 cy of waste material in the road prism. An additional 2 hours of cat work is appraised in Section F below to allow for ramping over or blending material to grade. Both temp road and system road have 8” rock depth with heavy organics blended. Appraised additional spot rocking for all season haul on 115 and appraised full length rock lift on temp 46-1 for extended season haul.

Unit 50 – All landings are on temporary roads 50-1, 50-2, 50-3 or 50-4. All landings and roads are appraised for dry season haul. Contractor has the option to rock for extended season of haul. Temporary road 50-4 is new construction to landing L. Lower grade starting at landing A in order to construct an adverse haul at less than 25% between landing L and A. Avoid short pitch of over 25% adverse. Truck assist is appraised from landing L to landing A.

C. Pre and post sale operational status for the system roads:

Road #	Presale status	Post sale planned status	Waterbars/berms
8172-000 seg. 1	Non key road, open	Non key, open	Type two / None
8172-000 seg. 2	Non key road, open	Non key, closed	Type one, berm
8172-115	Non key road, open	Non key, closed	Type one, berm

D. Log Haul Operating season and Haul routes.

Unit Number	Planned Haul Route	Engineering Log Haul Operating season *
13	8172 to County Road 857 to Highway 101 to Tillamook	Dry Season.
20	8172 to County Road 857 to Highway 101 to Tillamook	Dry Season.
29	8172 to County Road 857 to Highway 101 to Tillamook	Dry Season.
32	8172 to County Road 857 to Highway 101 to Tillamook	Dry Season.
33	8172 to County Road 857 to Highway 101 to Tillamook	Dry Season.
39	8172 to County Road 857 to Highway 101 to Tillamook	All Season.
44	8172 to County Road 857 to Highway 101 to Tillamook	All Season.
46	8172-115 to 8172 to County Road 857 to Highway 101 to Tillamook	All Season.
50	8172 to County Road 857 to Highway 101 to Tillamook	Dry Season.

\* Dry season is generally June 15 – October 15

E. Additional timber contract provisions:

All system roads will have a “R” C5.12 restricting haul after rain accumulation exceeds one inch within a 24 hour period.

F. Additional pre-haul maintenance costs appraised for:

- 4 hours additional excavator/cat work on road 8172 to re-open road between landings 13-B and 13-D; several failures; @ \$150/hour = **\$600**
- 4 hours of cat work to re-construct the temporary road 29-1 at slide/slump area @ \$150/hour = **\$600**
- Road 39-2, station 20+40, install temporary 24” culvert with couplings at **\$800** parts plus excavator for 4 hours. Excavator @150/hr = **\$600. Total = \$1400.**
- 4 hours excavator and dump truck on temporary road 39-2, station 43+00, end haul to waste site on same road, approximately 80 cy of slough material @ \$300/hour = **\$1200**
- 2 Hours of cat excavator/cat work to blend or ramp waste material on temp road 46-1 @ \$150/hour = **\$300**
- Move in and move out @ \$1,000 each way X 2 seasons = **\$4,000.**

Mike Brouwer  
 Transportation Planner  
 Siuslaw National Forest

**ROAD MAINTENANCE WORKSHEET**

Sale Name:	<b>Battle Thin STWD</b>		6,482	CCF Volume		1.27	% OH
			19,111	Tons			
				Purchaser	Co-op		
	Termini			CCF	Work	Deposits	
Road #	From	To	Miles	Volume	0.91	0.91	Remarks
8172	Landing 13-D	Temp road 20-1	0.60	310.00	0.91		
8172	Temp road 20-1	Temp road 32-1	0.70	1067.00	0.91		
8172	Temp road 32-1	Temp roads 39-1 & 39-2 jcts	1.50	1713.00	0.91		
8172	Temp road 39-1 & 39-2 jcts	8172-115	0.60	3089.00	0.91		
8172-115	Landing 46-A	8172	0.12	168.00	0.91		
8172	8172-115	Temp roads 50-1 & 50-2 jcts	0.20	4182.00	0.91		
8172	Temp roads 50-1 & 50-2 jcts	Til Co Road 857	1.80	6709.00	0.91		
County Road 857	8172	Highway 101	2.65	6709.00	0.00		
Highway 101	County Road 857	Tillamook	11.50	6709.00	0.00		
			19.67				
		Total \$	\$/CCF	\$/Ton		17.47	Weighted Miles
	Purchaser Maint	21,136.09	3.26	1.11			
	Misc Maint. (see Eng. Notes)	8,100.00	1.25	0.42			
	Spot Rock (see worksheet)	7,120.00	1.10	0.37			
	Co-op Deposits	0.00	0.00	0.00			
	Totals	36,356.09	5.61	1.90			



Sale Name: Battle Thin STWD

### Spot Rock Replacement Cost Worksheet

Road No.	Miles	cuyd of rock/mi	Total cuyd rock/road	\$/cuyd	Total
8172 - seg. 1*	2.40	10	30	\$23.00	\$690.00
8172 - seg. 2	3.00	50	150	\$23.00	\$3,450.00
8172-115	0.12	130	20	\$23.00	\$460.00
Waterbars**	47 waterbars	3 cy/waterbar	140	\$18.00	\$2,520.00
Totals	5.52		340		\$7,120.00

Appraised grading A for non-key roads

\*Segment begins 0.3 mile along valley bottom before road turns at earth barricade to head uphill

\*\* Waterbar rock for filling in or over bladed out waterbars, grading Q



## Detailed listing of Brush Disposal Activities (Working Copy)

(1) Proclaimed Forest	Siuslaw	(2) District/Unit	Hebo
(3) Sale Name	BATTLE THIN STWD(14102)	(4) Award Date	
(5) Compartment Or GIS Reference		(6) Type of Plan	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Final <input type="checkbox"/> Revision #
(7) Purchaser		(8) Contract	

(9) List of Activity Fuels Treatment Projects		Local Qualifier	(10) Work Activity	(11) Unit of Work	(12) Cost Per Unit	(13) Projects by Fund Code			(14) BD Funded Projects	
a) Subunit	b) Activity					a) Fund Code	b) No. of Units	c) Total Cost	a) No. of Units	b) Total Cost
061201BD14102001000	1100 Fuel Inventory	N/A	HF	Acres	\$7.14	BDBD	240.0	\$1,714	240.0	\$1,714
061201BD14102001000	1130 Burning of Piled Material	N/A	HF	Acres	\$23.87	BDBD	240.0	\$5,729	240.0	\$5,729
<b>Subtotal for Fund Code BDBD</b>								\$7,443		
061201BD14102001000	1150 Rearrangement of Fuels	N/A	HF	Acres	\$559.00	PPPP	0.0	\$0		
061201BD14102001000	1153 Piling of Fuels, Hand or Machine	N/A	HF	Acres	\$5.25	PPPP	240.0	\$1,260		
<b>Subtotal for Fund Code PPPP</b>								\$1,260		

<b>15. Total BD work funded</b>	<b>\$7,443</b>
<b>16. National Program Support</b>	<b>\$3,073</b>
<b>17. Total Cost of Funded Work (Sum of line 15 and 16)(Required Bid Deposit Amount)</b>	<b>\$10,516</b>

<b>18. Remarks:</b>	<p>Forest Collection Rate: Assessment included in unit cost</p> <p>National Collection Rate for Program Support: 41.3%</p> <p>Inflation Rate: 2%</p> <p>Rate Remarks: Regional Direction FY10</p> <p>PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.</p>
---------------------	--

Battle Thin STWD BD Appraisal Narrative

NEPA: North Nestucca (27124)

Sale #: 14102

Preparer: Jason Monroe

FACTS Activity Code	FACTS Description	Actual Activity (as performed on the ground)	Planned Units in FACTS (acres)	Planned Unit on the ground
1100 (Agency)	Fuel Inventory	Fuels assessment, monitoring, writing burn plans.	240	240 acres
1130 (Agency)	Burning of Piled Material	Burning of machine piles on landings. Pile totals are calculated by assuming one pile per landing on open roads.	240	Burn 36 piles
1153 (Purchaser)	Piling of Fuels, Hand or Machine	Covering the piles with a 10X10 piece of plastic.	240	Cover 36 piles
1150 (Purchaser)	Rearrangement of Fuels	Roadside treatments which include: burning of piles, chipping, mastication or scattering.	0.0	0.0 acres

**Required Activities Per Unit-**

**Unit 13:**

Piles-

- Pile, cover, and burn 2 landings on FSR 8172 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

**Unit 20:**

Piles-

- Pile, cover, and burn 1 landing temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

N/A

Wildland Urban Interface-

- N/A

**Unit 29:**

## Piles-

- Pile, cover, and burn 4 landings on FSR 8172113 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

## Roadside-

- N/A

## Wildland Urban Interface-

- N/A

**Unit 32:**

## Piles-

- Pile, cover, and burn 3 landings on FSR 8172112 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

## Roadside-

- N/A

## Wildland Urban Interface-

- N/A

**Unit 33:**

## Piles-

- Pile, cover, and burn 2 landings on FSR 8172113 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

## Roadside-

- N/A

## Wildland Urban Interface-

- N/A

**Unit 39:**

## Piles-

- Pile, cover, and burn 1 landing on FSR 8172 as identified on logging systems map.
- Pile, cover, and burn 4 landings on FSR 8172113 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

**Unit 44:**

Piles-

- Pile, cover and burn 12 landings on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

**Unit 46:**

Piles-

- Pile, cover and burn 1 landing on FSR 8172115 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

**Unit 50:**

Piles-

- Pile, cover and burn 6 landing on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

\*All accomplishment reporting in FACTS is in acres. The dollar amount for treating the unit is calculated by determining per pile dollar amount and multiplying that amount by number of piles. The total dollar amount is then divided by total acreage to get a dollar per acre figure.

**For Example:** It is estimated in Battle Saddle Thin that there will be 36 landing piles to burn. The cost per pile for this sale is \$150 which is multiplied by 36 piles= \$5,400 total to burn the estimated number of piles. Dollar per acre is calculated by: \$5,400 total pile burning cost/240 total acres=\$22.50/acre.

## EROSION CONTROL PLAN AND APPRAISAL

Forest: **Siuslaw**

District: **Hebo**

Sale Name: **Battle Thin STWD**

CCF Volume: **6,482**

miles of temp.road: **2.77**

Work will be done by purchaser.

WORK ITEM	Unit of Measure	Number of Units	Cost per Unit (\$)	Total (\$)
(1) PERMANENT ROAD STABILIZATION				
a. Seed				
(2) TEMP. ROADS (put to bed)				
a. Remove culverts/bridges				
b. Outsloping				
c. Cross ditching	each	147	\$10.00	\$1,470.00
d. Scarifying				
e. Barriers	each	3	\$150.00	\$450.00
f. Seed	acres	2.7	\$425.60	\$1,149.13
(3) SKIDROADS & TRAILS				
a. Remove culverts/bridges				
b. Waterbars & cross drains	each	5	\$10.00	\$50.00
c. Brush dams				
d. Seed	acres	1.6	\$425.60	\$680.96
(4) FIRELINE STABILIZATION				
a. waterbars & cross drains	each	0		
b. Seed	acres	0		
(5) LANDING				
a. Drainage ditches	each	108	\$10.00	\$1,080.00
b. Scarifying				
c. Cut & fill stabilization				
d. Seed	acres	1.1	\$425.60	\$468.16
(6) DISTURBED MEADOWS				
a. Land treatment				
b. Seed				
(7) CHANNEL CLEARING				
a. By hand				
b. By machine				
(8) MAINTAIN EROSION STRUCTURES				
(9) OTHER (specify)				
a.				
b.				
c.				
(10) TOTAL COSTS				\$5,348.25
(11) Cost per CCF for Appraisal				\$0.83