

2450

NORTHERN REGION - R-1

FOREST = 10 - Flathead *

DISTRICT 08 - Tally Lake *

Expiration Date = April 1, 2016

V15.1

TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT

McGriffin Timber Sale

(SALE NAME)

Select Contract Type

TIM # 15812

TYPE 6 - Contract Form 2400-6

UOM TON

Prepared by (Signature)

(Date)

Prepared by (Signature)

(Date)

Reviewed by (Signature)

(Date)

Recommended by (Signature)

(Date)

All attached documents and specifications for this timber sale have been completed in accordance with regulations at 36 CFR, Part 223, Subpart B, and the applicable Forest Service Manual and Handbook requirements and standards related to timber sales. Furthermore, the environmental documentation and NEPA decision have been reviewed; no significant new information or changed circumstances relating to the environmental impacts of this proposed action exist that require a correction, supplement, or revision to the documentation or decision; and implementation (advertisement) should continue.

Certification Reports for Gates 3 and 4 from TIM are attached to this timber sale report.

Timber Sale Final Package Approved By:

(Date)

TIMBER SALE INFORMATION

TIM, Gate 3, Create Timber Sale (Prep101)

Sale Area Description:

Primary County Name (FIPS Code): *

Sale Area Legal Description (short T & R):

Sale Area Legal Description (long):

The format that the description is entered here and inputted to TIM is exactly the way it will print out in the Contract, Ad and prospectus at Gate 4.

Compartment (s):

Environmental Documentation:

Project Association: List NEPA Project(s) that approved the timber sale.

<u>NEPA Document Name</u>	<u>Percentage of Sale Volume (CCF)</u>
<input type="text" value="Griffin Creek II Resource Management Project DN"/>	<input type="text" value="98"/>
<input type="text" value="Ashley Herrig Resource Management Project DN"/>	<input type="text" value="2"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

The above NEPA Document(s) shall be included in the Prospectus, General Narrative, TIM Gate 4 - Prospectus (ADVR115). Include the following statement in the Prospectus: The environmental document(s) that approved this sale:_____

Briefly describe additions or changes made to project design during timber sale preparation.

TSPIRS INFORMATION, SALE OBJECTIVES

TIM, Gate 3, Create Timber Sale (Prep101)

Purpose (TIM -PREP101)

Activity

% of Sale Volume - CCF (TIM - PREP101)

TC - Timber Commodity Purpose *	01 - Timber Purpose *	100
*	*	
*	*	

SALE PURPOSE AND ACTIVITY CODING INSTRUCTIONS

www.fs.fed.us/im/directives/fsh/2409.18/2409.18_20.doc

SALVAGE SALE FUND INFORMATION

TIM, Gate 4, Salvage Sale Fund Plan (ADVR112)

Reference to FSH 2409.19 - 71.12 - for assistance with SSF collections

https://fs.usda.gov/FSI_Directives/wo_2409.19_70.doc

SSF Silviculture Treatment Type (Pick one)

Salvage Component with Sanitation, Stand Improvement, or Regeneration *
(Use for all other sales - stand(s) that include a salvage component)

SSF Volume (CCF): % of total volume

FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

Sale Preparation Funding Source ---SSSS (Salvage Fund) %

(Contact SO for percentage to enter into Funding Source form. Funding Source percentage must be equal to or less than % of salvage in the SSF Plan.)

CRUISE INFORMATION

CRUISE: # CHECK CRUISE:
Date of Cruise Date of Check:
Cruisers:

J. Vanderschaaf	
K. Smiley	
E. Michael(Assistant)	
B. Hylton(Assistant)	

Method: Results:
SE%:

Method of determining ROW volume:

Included in Strata 1(All Units), due to similar stand/species composition

Basis for Percent Defect:

Seen defect at time of cruising and hidden defect applied by Cruise Designer based on professional judgement.

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

<u>Species</u>	<u>Defect %</u>	<u>Net Volume</u>	<u>Total Additional</u>	<u>Total Net</u>	<u>Tons Per CCF</u>	<u>Total Tons</u>
017-GF	0	0	0	0	3.1275	0
019-AF	9	354	0	354	2.4735	876
073-L	10	34	0	34	3.1935	109
093-S	7	553	0	553	2.7040	1495
108-LP	9	6345	0	6345	3.0210	19168
119-WP	0	0	0	0	3.2230	0
122-PP	0	0	0	0	3.2230	0
204-DF	0	0	0	0	3.0160	0
242-C	0	0	0	0	2.3540	0
263-H	0	0	0	0	3.2425	0
TOTAL =	9	7286	0	7286	2.9712	21648

Net MBF/CCF Ratio For
Sawtimber From NCS
Report CS1 **.48060**

TIM	Prep 105
Conversion	Factors
MBF	CCF
.16180	.33660

NON-SAWTIMBER - CCF

<u>Species</u>	<u>Net Volume</u>	<u>Additional Non-Saw</u>	<u>Total Net</u>	<u>Tons Per CCF</u>	<u>Total Tons</u>
GF	0		0	2.9470	0
AF	283		283	2.3340	661
L	19		19	3.0785	58
S	146		146	2.6330	384
LP	6393		6393	2.8336	18115
WP	0		0	3.1500	0
PP	0		0	3.1510	0
DF	20		20	2.7885	56
C	0		0	2.1400	0
H	0		0	3.0590	0
TOTAL =	6861	0	6861	2.8092	19274

19% %Dead

Net MBF/CCF Ratio For
Non-Sawtimber From NCS
Report CS1 **.58102**

TIM	Prep 105
Conversion	Factors
MBF	CCF
.20680	.35600

TOTALS =	<u>Gross</u>	<u>Net</u>	<u>Tons</u>
	0	14147	40922

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	<u>14147</u>
APPRAISAL VOLUME (CCF)	<u>7286</u>
CONTRACT VOLUME (TONS)	<u>40922</u> (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	<u>2.8900</u>

LOGGING METHOD SUMMARY
Sawlog Volume

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals	
Acres	476	0	33	0	0	0	509	0	
Volume	6813	0	473	0	0	0	7286	0	CCF
AEYD	1269	0	523	0	0	0			
% Acres	94%	0%	6%	0%	0%	0%			
% Vol	94%	0%	6%	0%	0%	0%			

HARVEST METHOD SUMMARY

	ClearCut	Seed Tree	Shelter Wood	Final Seed Tree	Intermed	Final Shelter wood	Selection	Other Changes	TOTAL
Acres	392	105	0	0	0	12	0	0	509
Volume	5610	1504	0	0	0	172	0	0	7286
% Acres	77%	21%	0%	0%	0%	2%	0%	0%	
% Vol	77%	21%	0%	0%	0%	2%	0%	0%	

ASSIGN CONTRACT SPECIES

TIM Gate 3 - Prep 105

Contract Species Association

Contract species shall be grouped to reflect differences in utilization and/or how species shall be grouped in A(T) 2 of the Timber Sale Contract.

All Non-sawtimber shall be grouped as Combined Softwood (CS) under Contract Species

UTILIZATION STANDARDS

TIM Gate 4 - Contract Prep Information ADVR114

Fill out Minimum Specifications below to reflect how sawtimber & non-sawtimber were cruised.

Contract Species (Major Species Group)	Full Name for Contract	Conversion Factors (only applicable to weight scale sales) (Enter from Species Volume Summary)		Minimum Specifications					
		MBF	CCF	DBH	Number of Pieces	Length	DIB	Merch. Factor	
<input checked="" type="checkbox"/> LP	Live and Dead	Lodgepole Pine	0.1618	0.3366	6	1	8.0	5.6	10.67
<input checked="" type="checkbox"/> & Oth	Live and Dead	Spruce and Other	0.1618	0.3366	7	1	8.0	5.6	10.67
<input type="checkbox"/>					0	0	0.0	0	0
<input checked="" type="checkbox"/> ##	CS	Live and Dead	0.2068	0.356	4	1	16.0	2.5	N/A
<input type="checkbox"/>	C14	Cedar Products - Net Merch. Factor - Refer to C(T)6.804#			0	0	0.0	0	0

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point: **Split- Foothills and Bonner**

DATA INPUT

Delivered Log Price (\$/Ton, Nonsawtimber material)	\$66.58	
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	6,861	<i>Use LP NonSaw page for High Value Non-Saw Products of Any Species, not just Lodgepole Pine</i>
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	19,274	
Tons / CCF for nonsawtimber material	2.81	
Total Appraised Sawlog Volume (CCF)	7,286	
Total One Way Weighted Haul Miles	133	0

Haul Adjustment

No Adjustment Needed if using LP Non-Saw

Logging System	All Ground Based	All Cable	Forwarder
Nonsawtimber Primary Product (CCF)	3,433	238	
Net MBF / Acre Harvested for nonsawtimber primary product	4.2	4.2	0.0
Average DBH Harvested for nonsawtimber primary product	5.2	5.2	0.0
Average Yarding Distance (Feet)	1,269	523	0
Nonsawtimber Primary Product (Tons)	9,645	669	0
Net Tons / Acre Harvested for nonsawtimber primary product	11.8	11.8	0.0

Nonsawtimber Adjustment	
Final Nonsawtimber Value (\$/CCF) A positive number is a negative value.	\$72.49
Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF)	\$0.00

A Negative Adjustment has been Rounded to Zero

LP Non-Saw

Report CS 4 - Nonsaw					
Live LP Nonsaw Pri. and Sec. (CS4)	Dead LP Primary Nonsaw (CS4)	Total LP Live and Dead Pri/Sec Nonsaw	Total LP Primary Nonsaw (R101)	Total LP Secondary Nonsaw	Total Live LP Primary Nonsaw
516911	122436	639347	336857	302490	214421
<u>5169</u>	<u>1224</u>	<u>6393</u>	<u>3369</u>	<u>3025</u>	<u>2144</u>
% of Tot	% of Tot				
0.8085	0.1915				
Tons/CCF	Tons/CCF				
3.0200	2.0390				
Average Tons/CCF					
<u>2.8321</u>					
Enter on Species Appraisal (Tons)					
				LPD Prim	1224
				LPL Prim	2144
				LP Sec	3025
				Total	6393
% LPD Prim. Post Material		0%	→ 0 Tons		
LPL Prim. and LP Secondary		→ 14640 Tons			
Total LP Post and Pole Material		→ 14640 Tons			
Entered from Appraisal CCF to Ton Worksheet					
Total Nonsaw Tons		→ 19274 Tons			
Other Nonsaw Material		→ 4634 Tons			

LP Non-Saw page can be used for any Species of High Value Non-Saw Products, not just Lodgepole Pine.

Nonsaw Value and Weighted Haul						
Appraisal Point (P&P Material)		St. Ignatius MT-Foothills PP				
Species	Weighted Haul Miles					
LPL, LPD	Gravel	Paved	Total Haul	Qty (Tons)	Value/Ton	
	4.2	118.6	122.8	14640	\$75.00	
Appraisal Point		Bonner MT				
Species	Weighted Haul Miles					
All Other	Gravel	Paved	Total Haul	Qty (Tons)	Value/Ton	
	4.2	159.6	163.8	4634	\$40.00	
Total Nonsaw (Tons)		19274				
Weighted Haul Miles		132.7		Weighted Value/Ton	\$66.58	

RIGHTS - OF - WAY

(Include Cost share Agreements)

Road Name	Road #	Length	Type of Agreement	Agreement with (Names)
Plum Creek Roads			Special Use Permit	Plum Creek Timberlands, L.P.

ROAD MAINTENANCE

(From Road Maintenance Appraisal Summary, sheets are attached)

Contract Rates

	\$/CCF	\$/TON	
Total Performance Recurrent Maintenance (Part A)			
C(T)5.31 - Recurrent Maintenance	\$1.30	\$0.45	
C(T)5.312 - Reconditioning	\$0.00	\$0.00	
Total Performance (Part A)	\$1.30	\$0.45	(A)
Total Required Deposits (Recurrent and Deferred) (Part B)	\$1.29	\$0.45	Recurrent
<small>(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105)</small>	\$1.18	\$0.41	Deferred
C(T)5.32# - Total Required Deposits (Part B)	\$2.48	\$0.86	(B)
 C(T)5.314 - Total Dust Abatement (Part C)	\$0.00	\$0.00	(C)
 TOTAL MAINTENANCE COST (Parts A-B-C)	\$3.77	\$1.30	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	\$ \$4.81 CCF
Total Road Maintenance Costs (Performance + Deposits)	\$ \$7.32 CCF

*Refer to Road Maintenance Appraisal for Road Reconditioning cost per road segment.
(Attach worksheets with road costs)*

Specified Road Construction

LOGGING METHOD SUMMARY

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	TOTAL
Acres	476	0	33	0	0	509
Volume	6813	0	473	0	0	7286
EYD	1269	0	523	0	0	

Check Box if accomplishing road construction or re-construction work under timber

TRUE

Appraisal information required for the 2400-17 report is to be summarized from the Identify Facilities

SPECIFIED ROAD COST

	<u>Miles</u>	<u>Total Cost</u>
Construction	2.4	\$80,522
Reconstruction	0.0	\$0

Total Cost **\$80,522** / **7286** CCF = **\$11.05** \$ / CCF

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - FACTS Line 21 Remarks \$301,862.00
 (Subtotal for Required Reforestation with National Program Support Cost Included)

Note: Base Rates may be raised for regeneration on only the Sawtimber component for green sales or % of Live Sawtimber on Salvage sales.
 In previously partial cut stands that are to be regenerated, protected regeneration cost shall be proportionate to remaining volume in the sale.

Sale Volume (ALL Vol./Products) _____ CCF X \$0.25 (NFF) 14,147 \$0.25 \$3,536.75 **% Adjustment For Partial Cut Stands**
 Select Either (A) or (B)
 (A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. = \$301,862.00 100% \$301,862.00 (d) 0%
 (B) Salvage Sales enter % Live Sawtimber Volume;
 For Partial Cut Stands Use Previously Cut Worksheet. **Total:** \$305,398.75 (a)

<u>Species Groups</u>	<u>Volume (CCF)</u>	<u>Minimum Rates 1/</u>		<u>Base Rates 2/</u>	
		Per CCF	Total	Per CCF	Total
WP, PP, C	0	\$5.00	\$0.00	0	\$0.00
All other species (list)	7286	\$3.00	\$21,858.00	\$40.97	\$298,537.75
Nonsawtimber (all species)	6861	\$1.00	\$6,861.00	\$1.00	\$6,861.00
TOTALS	14147	XXXXX	\$28,719.00	XXXXX	\$305,398.75
Sawtimber (Appraisal) Volume	7286		(b)		
		Weighted Average Minimum Rate			\$3.00

(a) - (b) = (c) amount need in addition to base rates (plus \$.25/CCF) \$276,679.75 (c)

Note: If minimum rate total (b) => (a) no adjustment needed → Adjust Base Rate

Adjustment To Minimum Rate:
 \$ _____ (c) / (Total Sawtimber Volume) CCF = \$ ____/CCF \$276,679.75 7,286 \$37.97

1/ Minimum rates: FSH 2409.22, Chp 80, Sect. 81
 (Base rates for Sawtimber can be weighted if appraising and advertising as a single species group (DF,O))

2/ Minimum rate + adjustment = Base Rate

FACTS INFORMATION
 (Enter Sale Information - SAIP100)

Amount of Stumpage Available for Protected KV at Base Rates = \$301,862.00
 (The only stumpage available for KV at advertised rates is when KV is protected by base rates)

EROSION CONTROL

Seed mix is to be included in C(T)6.601# - Erosion Control Seeding and Special Project Specifications (SPS) 625.05 in Road Package.

Make sure that the seed mix and fertilizer are the same in both Contract and Road Package.

Site specific areas, such as gravel pits and very dry sites may call for more and/or different species in the mix. Document below the rationale for deviation from the standard seed mix.

Species of Seed	Pounds per Acre
-----------------	-----------------

Blue Wildrye	5
Mountain Brome	9
Bluebunch Wheatgrass	4
Slender Wheatgrass	6

TOTAL	24
-------	----

Type of Fertilizer	Pounds per Acre
--------------------	-----------------

	0
--	---

TOTAL	0
-------	---

Crossdrains

Installation of crossdrains on temporary roads, skid trails and firelines are included in their respective cost allowance.

Scarification - Landings and Skid Trails ONLY

acres @ per acre =

Seed and Fertilizer

If Temp Road seeding is not included in Temp Road worksheet then enter here

Temporary Roads feet = acres
 Firelines feet = acres

Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer. acres X % = acres

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer. acres X % = acres

Landings

Number of landings X acres per landing = acres

TOTAL acres

Acres	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse
	476	0	33	0	0	0

Seed mix, fert., labor costs:

	<u>Lbs / Acre</u>		<u>\$ / Lb</u>	=	<u>\$ per Acre</u>
Blue Wildrye	5	X	\$10.00	=	\$50.00
Mountain Brome	9	X	\$10.00	=	\$90.00
Bluebunch Wheatgrass	4	X	\$10.00	=	\$40.00
Slender Wheatgrass	6	X	\$10.00	=	\$60.00
0	0	X		=	\$0.00
Fertilizer	0	X		=	\$0.00
*Labor per Acre				=	\$19.98

\$ per acre **\$259.98**

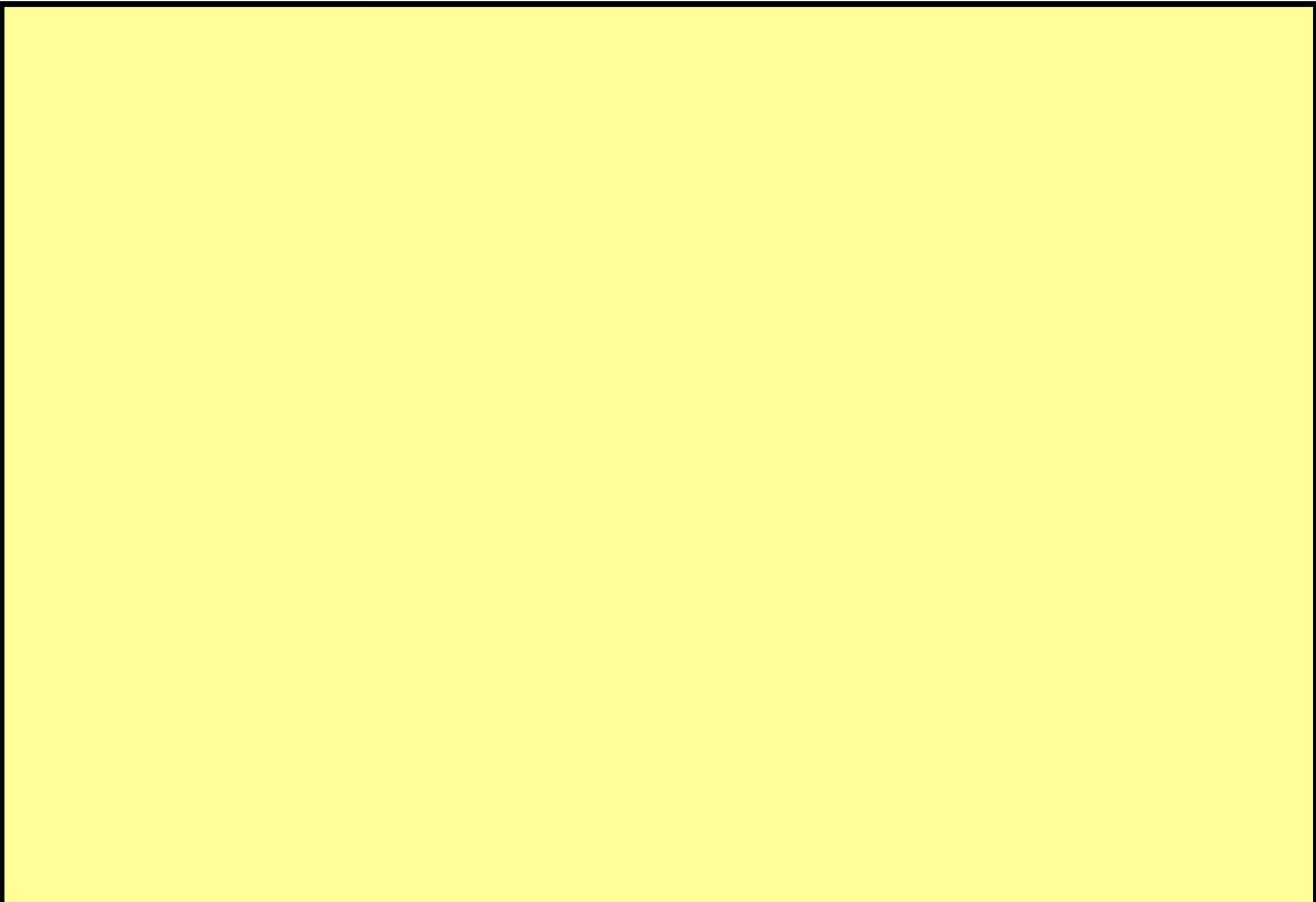
Total cost for

SEEDING	32.2	acres	X	\$240.00	\$/acre =	\$7,728.00
FERTILIZER	32.2	acres	X	\$0.00	\$/acre =	\$0.00
LABOR	32.2	acres	X	\$19.98	\$/acre =	\$643.36
SCARIFICATION						\$0.00
TOTAL						\$8,371.36

\$8,371.36 COST / **7286** CCF = **\$1.15** PER CCF

* Engineers estimate Page 114 of the Cost Guide Item Labor Rates.

Document Rational for Changes to Standard Seed Mix.



OTHER CONTRACTUAL REQUIREMENTS (A)

**Other - Include Contractual Obligations Requiring Performance Bond Coverage
(Road closure, Barriers, Trail Restoration, etc.)**

ITEM	#	X	COST	=	TOT COST
16' Powder River Gate	1	X	\$350.00 per gate	=	\$350.00
small excavator	1	X	\$55.00 per hour	=	\$55.00
operator	1	X	\$48.00 per hour	=	\$48.00
laborer	1	X	\$40.00 per hour	=	\$40.00
Earthen Berm- Rd 2910A, Rd 10305	2	X	\$300.00 per berm	=	\$600.00
Type I Waterbars on Road 2910A	10	X	\$100.00 per waterb	=	\$1,000.00
Erosion Control Seeding on Road 2910A	0.5	X	\$260.00 per acre	=	\$130.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00
XXX		X	\$0.00 per XXX	=	\$0.00

\$2,223.00 Cost / **7286** CCF = **\$0.31** CCF

Subtotal Other Contractual Requirements (A) = \$0.31 CCF

OTHER CONTRACTUAL REQUIREMENTS (B)

The cost allowance for herbicide application has been based on the following assumptions; 300 gallon sprayer with herbicide injectors (not tank mixed); 20 gallon of carrier/ac; one trip will be required for each herbicide per road; labor rate and production includes mix, loading, cleanup and daily documentation; misc. expenses include equipment maintenance and depreciation, herbicide storage and handling and licensing fees. One mile of road with an average ROW of 30 feet is equal to 3.6 acres. Herbicides approved for use are listed in K-G.2.7# under Technical Spraying Specifications.

<u>Herbicide</u> (Common name)	<u>Application Rate oz</u> per acre	<u>Cost</u> Per oz	<u>Cost per</u> <u>UOM</u>
2,4,D Amine	32	\$0.00	\$0.00 mile
Clopyralid(Transline)	11	\$0.00	\$0.00 mile
Picloram(Tordon)	32	\$0.00	\$0.00 mile
Aminopyralid(Milestone)	6	\$3.47	\$74.95 mile

Price quote for herbicide obtained from: North Valley Ag

Sufactant & Dye	
.32 oz/gal H2O	\$0.68/acre = \$2.45/ mile
Labor Rate	\$40/ hour (2 Miles per hour)

Miles of road to be sprayed: 45.26 miles

<u>Herbicide to be applied:</u>	<u>Miles</u>	<u>\$ UOM</u>	<u>Tot Cost</u>
2,4,D Amine		\$0.00	\$0.00
Clopyralid(Transline)		\$0.00	\$0.00
Picloram(Tordon)		\$0.00	\$0.00
Aminopyralid(Milestone)	45.26	\$74.95	\$3,392.24

Sufactant & dye:	45.26	\$2.45	\$110.89
Application Cost (Labor):	45.26	\$20.00	\$905.20
Misc. Expense:	45.26	\$32.00	\$1,448.32

TOTAL WEED TREATMENT: \$5,856.65 cost / 7286 CCF = \$0.80 CCF

ON-SITE EQUIPMENT WASHING K-G.3.5.1#

Cost allowance for washing off-road equipment *Prior To Leaving* locations identified in EIS/EA

Number (pieces of equipment)		Number of seasons	
Cleaning costs per piece	\$0.00	CCF	7286

Total cost for washing equipment per CCF \$0.00 CCF

Subtotal Other Contractual Requirements (B) \$0.80 CCF

MISCELLANEOUS CONTRACTUAL REQUIREMENTS (C)

(Contractual Obligations That Would Not Require Coverage Under The Performance Bond)

Stump Shoveling (Not required under normal operating/winter conditions. Include if clippers not allowed)

stumps X per stump =

Cost / CCF = CCF

Snow Plowing

miles X per mile X # plowings =

Cost / CCF = CCF

Miscellaneous: (Helicopter Landing Construction, Traffic Control etc...)

ITEM	#	X	COST	TOT COST
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00
XXX		X	\$0.00 per XXX	\$0.00

Cost / CCF = CCF

Subtotal Miscellaneous Contractual Requirements (C) CCF

Total Other Contractual Requirements (A+B+C)	<input type="text" value="\$1.11"/> CCF
Brush Disposal (Purchaser and FS)	<input type="text" value="\$21.66"/> CCF
Total Environmental Protection Cost	<input type="text" value="\$22.77"/> CCF

TEMPORARY ROADS

1.18 Miles

If you have more than 5 Temporary Roads, you can lump Roads together.

Temporary Road #1
Unit 51 on Existing Template Cost \$ \$1,993.00

Temporary Road #2
68B Cost \$ \$985.00

Temporary Road #3
Unit 73 Cost \$ \$7,667.00

Temporary Road #4
Unit 75 Cost \$ \$838.00

Temporary Road #5
0 Cost \$ \$0.00

TOTAL TEMPORARY ROAD COST = \$11,483.00
(Total Temporary Development Costs)

\$11,483.00 Cost \$ / **7286** CCF = **\$1.58** CCF

Cost Guide for Temporary Roads

http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5279261.pdf

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF **\$0.57**

UNUSUAL CONDITION ADJUSTMENTS

Special Use Permit Cost from Plum Creek Timberlands is included in Unusual Condition Adjustment:
\$11,775.00

\$11,775.00 Cost \$ / **7286** CCF = **\$1.62** CCF

TEMPORARY ROAD COSTS #1

Unit or Road Number: Unit 51 on Existing Template

Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104

Average Side Slope 0 %
 Length 2640 Feet 0.50 Miles
 Volume per Acre 0

(Note: Do not adjust project costs for inflation or deflation)

Clearing and Grubbing (Table T-1)	=	\$3,220.00	Mile
	=		Mile
Excavation (Table T-1)	=		Mile
	=		Mile
Seeding (Table T-1)	=	\$730.00	Mile
	=		Mile
Obliteration (Table T-1)	=		Mile
	=		Mile

Total Unit Cost Per Mile = \$3,950.00

Basic Cost Total X Length = \$1,975.00

Drainage Structures		Dips	X		=	\$0.00
		18" CMP	X		=	\$0.00
		other CMP	X		=	\$0.00

Drainage Cost Total = \$0.00

Other Requirements			X		=	\$0.00
###		###	X		=	\$0.00
###		###	X		=	\$0.00
###		###	X		=	\$0.00
###		###	X		=	\$0.00

Other Cost Total = \$0.00

Subtotal (Basic + Drainage + Other) = \$1,975.00

Mobilization (Table T-4) 7% = \$138.00

Subtotal = \$2,113.00

TOTAL COST \$2,113.00 / 1.06 Profit = \$1,993.00

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #2

Unit or Road Number: **68B**

Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104

Average Side Slope **20**%
 Length **500** Feet **0.09** Miles
 Volume per Acre **0**

(Note: Do not adjust project costs for inflation or deflation)

Clearing and Grubbing (Table T-1)	=	\$3,490.00 Mile
Excavation (Table T-1)	=	\$1,620.00 Mile
Seeding (Table T-1)	=	\$730.00 Mile
Obliteration (Table T-1)	=	\$5,000.00 Mile

Total Unit Cost Per Mile = \$10,840.00

Basic Cost Total X Length = \$976.00

Drainage Structures		Dips	X	\$0.00	=	\$0.00
		18" CMP	X	\$0.00	=	\$0.00
		other CMP	X	\$0.00	=	\$0.00

Drainage Cost Total = \$0.00

Other Requirements						
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00

Other Cost Total = \$0.00

Subtotal (Basic + Drainage + Other) = **\$976.00**

Mobilization (Table T-4) **7%** = **\$68.00**

Subtotal = **\$1,044.00**

TOTAL COST \$1,044.00 / 1.06 Profit = \$985.00

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #3

Unit or Road Number: **Unit 73**

Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104

Average Side Slope **30** %
 Length **2640** Feet **0.50** Miles
 Volume per Acre **10 MBF**

(Note: Do not adjust project costs for inflation or deflation)

Clearing and Grubbing (Table T-1)	=	\$4,200.00 Mile
Excavation (Table T-1)	=	\$2,240.00 Mile
Seeding (Table T-1)	=	\$870.00 Mile
Obliteration (Table T-1)	=	\$5,000.00 Mile

Total Unit Cost Per Mile = \$12,310.00

Basic Cost Total X Length = \$6,155.00

Drainage Structures	5 Dips	X	\$125.00	=	\$625.00
	1 18" CMP	X	\$815.00	=	\$815.00
	other CMP	X	\$0.00	=	\$0.00

Drainage Cost Total = \$1,440.00

Other Requirements	###	X	\$0.00	=	\$0.00
	###	X	\$0.00	=	\$0.00
	###	X	\$0.00	=	\$0.00
	###	X	\$0.00	=	\$0.00

Other Cost Total = \$0.00

Subtotal (Basic + Drainage + Other) = **\$7,595.00**

Mobilization (Table T-4) **7%** = **\$532.00**

Subtotal = **\$8,127.00**

TOTAL COST \$8,127.00 / 1.06 Profit = \$7,667.00

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #4

Unit or Road Number: **Unit 75**

Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104

Average Side Slope **20**%
 Length **500** Feet **0.09** Miles
 Volume per Acre **10 MBF**

(Note: Do not adjust project costs for inflation or deflation)

Clearing and Grubbing (Table T-1)	=	\$3,570.00 Mile
Excavation (Table T-1)	=	\$1,620.00 Mile
Seeding (Table T-1)	=	\$730.00 Mile
Obliteration (Table T-1)	=	\$3,300.00 Mile

Total Unit Cost Per Mile = \$9,220.00

Basic Cost Total X Length = \$830.00

Drainage Structures		Dips	X	\$0.00	=	\$0.00
		18" CMP	X	\$0.00	=	\$0.00
		other CMP	X	\$0.00	=	\$0.00

Drainage Cost Total = \$0.00

Other Requirements						
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00
###		###	X	\$0.00	=	\$0.00

Other Cost Total = \$0.00

Subtotal (Basic + Drainage + Other) = **\$830.00**

Mobilization (Table T-4) **7%** = **\$58.00**

Subtotal = **\$888.00**

TOTAL COST \$888.00 / 1.06 Profit = \$838.00

Total Cost to be entered on 2400-17

TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season
(ADVR114, Page 1)

Units

First Period : to ALL

Second Period: to

(Note: If sale has more than one NOS - List dates and units for each NOS in A16 or AT13 of Timber Sale Contract)

Periodic Payment Schedule

Approximate Award Date: mm/dd/yy

(And Road Completion Date if roads are included.)

Road Completion Date: mm/dd/yy
(ENTER N/A if no roads)

Contract Termination Date: mm/dd/yy

TIM - Input at Gate 4 - Prospectus, Bid and Misc. Information - Page 1 (ADVR115)

Approximate Payment Date: **Tentative Date. TIM will Calculate Official Date Upon Award.**

As per B(T) 4.213, Periodic Payment Schedule, a periodic payment will be required. The approximate periodic payment date is XXXX. The final date will be based on the award date of this timber sale contract.

FIRE LIABILITY CALCULATION (ADVR114, Page 4)

5 CCF / man day --- 120 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / w
AD-C Firefighter wage is updated yearly, ~March (FSH 5109.34 Chp 10). Link below to directive.

(A)	Total Volume =	<input type="text" value="14147"/>	CCF	
(B)	Sale Duration =	<input type="text" value="3.2"/>	YEARS	<i>(Calculated from Award Date to Termination Date)</i>
(C)	Operating Days in Sale =	<input type="text" value="384"/>		(Sale Duration X 120 days.)
(D)	CCF Per Day =	<input type="text" value="36.8"/>		(Total Volume / Operating Days in Sale)
(E)	Men Needed to Log Sale =	<input type="text" value="7.4"/>		(CCF Per Day / 5 CCF)
(F)	Liability =	<input type="text" value="\$17.80"/>	(Wage Rate AD-C)	<input type="text" value="12"/> (hrs/shift) X <input type="text" value="5"/> (# shifts) X
		<input type="text" value="7.4"/>	(# men) =	TOTAL LIABILITY = <input type="text" value="\$7,903"/>

http://www.fs.fed.us/r1/fire/nrcg/Committees/business_committee.htm

Round up to nearest \$50.00 up to \$200.00, then round up to nearest \$100.00

ROUNDED TOTAL =

2400-17 Input Sheet for R1 TIMBER SALE APPRAISAL

Create New Sale

Sale Name	McGriffin Timber Sale *	Size Class	6 - \$100,000.01 thru \$1,000,000 *
Sale No	15812 *	Sale Status	
Forest No	10 - Flathead	SBA Code	N - No *
District No	08 - Tally Lake	Appraisal Type	TE - Transaction Evidence *

Basic Information

State	MT - Montana *	Salvage Code	2 - Salv Sale or Salv Component in Regular Program *
County Code	029 - Flathead *	Pricing Method	FLAT - Flat Rate *
Legal Description	T29N, R24W, PMM *	SAI Collection	\$301,862.00
Appraisal Date	6/3/2015 *	Contract No	
Contract Date		Contract Form	6 - Contract Form 2400-6 *
Term Date	9/30/2018 *	CO Authority	S - Forest Supervisor *
Bid Date		Sale Method	A - Auction *
Modified By		Regulation Code	6 - 36 CFR 223.1 *
Modified Date			

Area & Volume

Total Sale Area Acres	2570	Cut Acres	509
Clearcut Acres	392	Clearcut Volume	5610
Seed Tree Acres	105	Seed Tree Volume	1504
Right Of Way Acres	4	Right Of Way Volume	57
Final Seed Tree Acres	0	Final Seed Tree Volume	0
Shelter Wood Acres	12	Shelter Wood Volume	172
Cedar Poles: Volume			
Count			
Length			
Percent Salvage	93%		

Costs / CCF

Slash FS	\$2.79
Slash Total	\$21.66
Erosion	\$1.15
Misc	\$1.11
Temp Roads	\$1.58
Other Temp Dev	\$0.00
Unusual Cond Adj	\$1.62
Road Maint Dep	\$4.81
Road Maint Total	\$7.32
Non-sawtimber Adj	\$0.00

Comments

Includes other (A), weeds (B), Misc (C)
Includes Tons/CCF Adjustment

Use this sheet to calculate advertised value and to convert \$/CCF to \$/Tons.

Attach this sheet to the 2400-17 for Documentation.

Sawtimber Rate from the 2400-17 \$40.97

Conversion to Tons

	<u>Adv. Rate</u>	<u>CCF Vol</u>	<u>Tons</u>	<u>Weighted Average Bidding</u>	<u>Total Value Bidding</u>
Sawtimber	\$40.97	7286	21648	\$13.79	\$14.11
Non_Saw	\$1.00	6861	19274	\$0.36	\$14.11
Base Rate (Sawtimber)	\$40.97	7286	21648	\$13.79	\$13.79
Total Sale Value				\$305,368.42	