2450
NORTHERN REGION - R-1
FOREST = **14 - Kootenai** * **DISTRICT** **01 - Rexford** *
Expiration Date = April 1, 2017
V16.1

TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT

Pinto Salvage
(SALE NAME)

Select Contract Type

TIM # **16102**

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): 053 - Lincoln *

Sale Area Legal Description (short T & R): T34N, R30W, PMM

Sale Area Legal Description (long):

Portions of Sections 3, T34N, R30W, Lincoln County, State of Montana,PMM

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): 15

Environmental Documentation:

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

NEPA Document Name	Percentage of Sale Volume (CCF)
Northend Fire Salvage CE	100

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.

Erosion control seeding is based on the area that can actually be seeded, as in areas that are free of debris and exposed soil. Sale-as-a-whole Volume and Strata Error for this sale is 35%.

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
	*		*	
	*		*	

KOOTENAI SALE PURPOSE CODING INSTRUCTIONS

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

Management Areas	Sale Purpose Code	Type of sale
Suitable MA (MA 6)	TC/01	All sawtimber, non-sawtimber and fuelwood sales on all contract forms including permits.
Non suitable MA's (MA's 2, 3, 5a, 5b, 5c, 7)	FS/___	All sawtimber sales, select the most appropriate activity based on documented sale purpose.

Percentage: The percentage distribution will be 100% EXCEPT when an individual sale includes a mix of suitable and nonsuitable MA's. In this circumstance, the percentage split between TC and FS coding will be based on the sawtimber volume in the MA's.

SALVAGE SALE FUND INFORMATION

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

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

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

SSF Silviculture Treatment Type (Pick one)

Salvage *

SSF Volume (CCF): **303** **100%** **% 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:	# 1602	CHECK CRUISE:	
Date of Cruise	1/26/2016	Date of Check:	
Cruisers:	Ira Lehman	Cruisers:	
Method:	PNT	Results:	
SE%:	35.48		

Method of determining ROW volume:

Timber volume displayed in the Cruise report does not include decked material. Decked material has been added to the volume totals from the Cruise Report and is Included Timber under Section A2 of the Timber Sale Contract. Decked Material = 12 CCF

Basis for Percent Defect:

Used scorch height per species, thin barked trees where given higher defect to reflect their high likelihood of cracking and checking.

TOTAL CF VOLUME BY UNIT --- NCS REPORT (UC5)

Unit #	Acres	Sawtimber	CCF	Non-Saw	CCF
ROW units need to be entered last					
1	36	29103	291		0
2	1	1161	12		0

NET MBF/CCF Ratio from NCS Report VSM3 (CS1)

Sawtimber (Product 01): 0.48782

Non-Saw (Product 08):

If no Primary Non-Saw Enter Secondary Volumes Below

Net bdft

Net cf

Non-Saw (Product 08)

		Sawtimber		Non-Saw	
	30264			0	
TOTAL SALE UNIT VOLUME (CCF)		303	303	0	0
		(Sheet 1)	(Sheet 1&2)	(Sheet 1)	(Sheet 1&2)

TOTAL SALE CF VOLUME BY SPECIES --- NCS REPORT (R101)

Species	Saw	Rounded	%Defect	Av. DBH	Logs/Unit	NCS REPORT (UC5) Non-Saw	Rounded
AF		0					0
C		0					0
DF	1673	17	12	9.9	23.2		0
GF		0					0
H		0					0
L	18005	180	14	10.2	19.7		0
LP	10586	106	24	8.4	27.2		0
PP		0					0
S		0					0
WP		0					0
	30264					0	
TOTAL VOLUME		303	CCF				0 CCF

ROUNDED VOLUME IS THE DIFERENCE BETWEEN UNIT VOLUME AND SPECIES VOLUME (AFTER ROUNDING TO CCF) ADDED TO THE SPECIES WITH THE LARGEST VOLUME

		CUTTING UNIT DESCRIPTION (TIM GATE 3 - PREP 104)							VOLUME - DIRECT ENTRY (TIM GATE 3 - PREP 103)					
		Cruise	Appraisal	ROW	Logging	Harvest	Land Suit		Unit Volume CCF		Yield Component		Unit TONS	
Unit #	P.U.#	Unit Acres	Unit Acres	Acres	Method	Method	Class	MA	Sawtimber	Non-Saw	CL	NL	Saw	Non Saw
ROW units need to be entered last, Harvest Method=270, MA=ROW							Enter KNF MAs Here							
1		36	36		420	183	500	6	291	0	291		656	#VALUE!
2		1	1		420	183	500	6	12	0	12		27	#VALUE!
Totals Sheet 1		37	37	0					303	0	303	0	683	#VALUE!

Total Sale Area:	126	Sale Area Acres	Total Sawtimber	(Sheet 1)	303	CCF
Total Cutting Area:	37	Acres	Total Saw + Non-Saw	(Sheet 1)	303	CCF
	(Sheet 1)					

APPRAISAL CCF TO TON WORKSHEET

☑ Check Box — Check Box to use Fire Salvage Weights

SAWTIMBER - CCF

Species	Defect %	Net Volume	Total Additional	Total Net	Tons Per CCF	Total Tons
017-**GF**	0	0	0	0	2.3275	0
019-**AF**	0	0	0	0	2.0390	0
073-**L**	14	180	0	180	2.3730	427
093-**S**	0	0	0	0	2.2835	0
108-**LP**	24	106	0	106	2.0390	216
119-**WP**	0	0	0	0	2.0390	0
122-**PP**	0	0	0	0	2.2835	0
204-**DF**	12	17	0	17	2.3730	40
242-**C**	0	0	0	0	1.8700	0
263-**H**	0	0	0	0	2.3730	0
TOTAL =	**17**	**303**	**0**	**303**	**2.2541**	**683**

Net MBF/CCF Ratio For Sawtimber From NCS Report VSM3 (CS1): **.48782**

=	TIM Conversion MBF	Prep 105 Factors CCF
=	**.21640**	**.44360**

NON-SAWTIMBER - CCF

☐ Check Box — Check Box to use Fire Salvage Weights

0% %Dead

Species	Net Volume	Additional Non-Saw	Total Net	Tons Per CCF	Total Tons
GF	0		0	2.9470	0
AF	0		0	2.3340	0
L	0		0	3.0785	0
S	0		0	2.6330	0
LP	0		0	3.0200	0
WP	0		0	3.1500	0
PP	0		0	3.1510	0
DF	0		0	2.7885	0
C	0		0	2.3540	0
H	0		0	3.2425	0
TOTAL =	**0**	**0**	**0**		**0**

Net MBF/CCF Ratio For Non-Sawtimber From NCS Report VSM3 (CS1): **.00000**

=	TIM Conversion MBF	Prep 105 Factors CCF
=	**.00000**	**.00000**

	Gross	Net	Tons
TOTALS =	**0**	**303**	**683**

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	**303**
APPRAISAL VOLUME (CCF)	**303**
CONTRACT VOLUME (TONS)	**683** (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	**2.2500**

LOGGING METHOD SUMMARY
Sawlog Volume

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals	
Acres	37	0	0	0	0	0	**37**	0	
Volume	303	0	0	0	0	0	**303**	0	CCF
AEYD	5100	0	0	0	0	0			
% Acres	100%	0%	0%	0%	0%	0%			
% Vol	100%	0%	0%	0%	0%	0%			

HARVEST METHOD SUMMARY

	ClearCut	Seed Tree	Shelter Wood	Final Seed Tree	Intermed	Final Shelter wood	Selection	Other Changes	TOTAL
Acres	0	0	0	37	0	0	0	0	**37**
Volume	0	0	0	303	0	0	0	0	**303**
% Acres	0%	0%	0%	100%	0%	0%	0%	0%	
% Vol	0%	0%	0%	100%	0%	0%	0%	0%	

LOGGING METHOD SUMMARY
NON-Sawlog Volume

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals	
Acres	37	0	0	0	0	0	**37**	0	
Volume	0	0	0	0	0	0	**0**	0	CCF
AEYD	5100	0	0	0	0	0			
% Acres	100%	0%	0%	0%	0%	0%			
% Vol	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			

HARVEST METHOD SUMMARY

	ClearCut	Seed Tree	Shelter Wood	Final Seed Tree	Intermed	Final Shelter wood	Selection	Other Changes	TOTAL
Acres	0	0	0	37	0	0	0	0	**37**
Volume	0	0	0	0	0	0	0	0	**0**
% Acres	0%	0%	0%	100%	0%	0%	0%	0%	
% Vol	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/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) MBF	CCF	Minimum Specifications DBH	Number of Pieces	Length	DIB	Merch. Factor
x	Live and Dead	arch and combined	0.2164	0.4436	7	1	8.0	5.6	10.67
					0	0	0.0	0	0
					0	0	0.0	0	0
☐ ##	CS		0	0	4	1	8.0	2.5	N/A
☐	C14	Cedar Products - Net Merch. Factor - Refer to C(T)6.804#			0	0	0.0	0	0

NON-SAWTIMBER is not included in this sale

AVERAGE EXTERNAL YARDING DISTANCE

Unit #	Volume CCF	AEYD Feet		% Slope
1	291	5000	To Calculate % Slope	20%
2	12	5000		20%
			Top Elevation	
			Bottom Elevation	
			EYD Distance (ft)	
			% Slope =	
			#DIV/0!	

Tractor			Forwarder			Helicopter			Ground Lead		
420	303	VOL	492	0	VOL	480	0	VOL	450	0	VOL
	5100	AVE EYD		0	AVE EYD		0	AVE EYD		0	AVE EYD

Skyline			Horse		
430	0	VOL	410	0	VOL
	0	AVE EYD		0	AVE EYD

AVERAGE EXTERNAL YARDING DISTANCE

Unit #	Volume CCF	AEYD Feet		% Slope
			To Calculate % Slope	
			Top Elevation	
			Bottom Elevation	
			EYD Distance (ft)	
			% Slope =	
			#DIV/0!	

HAUL

Appraisal Point: Columbia Falls **State** Montana

Total Sawtimber Tributary Volume: 303

(The appraisal point is most advantageous when total transportation cost, including road work, are less than other appraisal points. Appraise to a mill where timber product can be processed. SBA Set Aside Sales are appraised the same way; not to the nearest SBA mill)

(Haul Appraisal for Sawtimber only. Non-Sawtimber included in Non-Sawtimber Adjustments)

WTD HAUL MILES

WTD Haul Note

Segment	Units															Segment Miles Paved	Segment Miles Unpaved	Sawtimber Trib Vol	WTD MILES
Halfmoon	all															1		303	1.00
Hwy 40	all															5		303	5.00
Hwy 93	all															55.2		303	55.20
Hwy 37	all															13		303	13.00
(FDR) 228	all															8.9		303	8.90
336	all																2.7	303	2.70
255	all																11	303	11.00
254	all																0.5	303	0.50
254B	all																0.3	303	0.30

WTD Total Paved Miles (Sheet 1) **83.1**

WTD Total Unpaved Miles (Sheet 1) **14.5**

WTD Total Miles (Sheet 1) **97.6**

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point:

DATA INPUT

Delivered Log Price ($/Ton, Nonsawtimber material)			
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	0		*Use LP NonSaw page for High Value Non-Saw Products of Any Species, not just Lodgepole Pine*
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	0		
Tons / CCF for nonsawtimber material	0.00		
Total Appraised Sawlog Volume (CCF)	303		**Haul Adjustment**
Total One Way Weighted Haul Miles	98	**0**	No Adjustment Needed if using LP Non-Saw

Logging System	**All Ground Based**	**All Cable**	**Forwarder**
Nonsawtimber Primary Product (CCF) (NCS R103)			
Net MBF / Acre Harvested for nonsawtimber primary product	0.0	0.0	0.0
Average DBH Harvested for nonsawtimber primary product (NCS R103)	0.0	0.0	0.0
Average Yarding Distance (Feet)	5,100	0	0
Nonsawtimber Primary Product (Tons)	0	0	0
Net Tons / Acre Harvested for nonsawtimber primary product	0.0	0.0	0.0

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

Non-Sawtimber is not included in this sale.

RIGHTS - OF - WAY

(Include Cost share Agreements)

Road Name	Road #	Length	Type of Agreement	Agreement with (Names)

ROAD MAINTENANCE

(From Road Maintenance Appraisal Summary, sheets are attached)

☐ Check Box to use Small Sale RM Rates.

☐ Check Box to use Small Sale RM Rates plus Koocanusa Bridge

Contract Rates

	$/CCF	$/TON	
Total Performance Recurrent Maintenance (Part A)			
C(T)5.31 - Recurrent Maintenance	$0.00	$0.00	
C(T)5.312 - Reconditioning	$0.00	$0.00	
Total Performance (Part A)	**$0.00**	**$0.00**	**(A)**
Total Required Deposits (Recurrent and Deferred) (Part B)	$3.00	$1.32	**Recurrent**
(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105	$6.66	$2.95	**Deferred**
C(T)5.32# - Total Required Deposits (Part B)	**$9.66**	**$4.27**	**(B)**
C(T)5.314 - Total Dust Abatement (Part C)	$5.11	$2.27	**(C)**
TOTAL MAINTENANCE COST (Parts A-B-C)	**$14.77**	**$6.54**	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	**$**	$9.66	**CCF**
Total Road Maintenance Costs (Performance + Deposits)	**$**	$14.77	**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	37	0	0	0	0	**37**
Volume	303	0	0	0	0	**303**
EYD	5100	0	0	0	0	

IDENTIFY FACILITIES (ADVR102)

Attach completed "IDENTIFY FACILITIES FORM"

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

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - FACTS Line 21 Remarks **$2,518.00**
OR from BDKV Worksheet as Draft Activity Value *(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)	**303**	$0.25	$75.75		**% Adjustment For Partial Cut Stands**
Select Either (A) or (B)					
(A) Green Sale - Required Regen Cost $ 100% Sawtimber Vol. =	$2,518.00	100%	$0.00	**(d)**	0%
(B) Salvage Sales enter % Live Sawtimber Volume;	=	0%			
For Partial Cut Stands Use Previously Cut Worksheet.	**Total**:		$75.75	**(a)**	

Species Groups	**Volume (CCF)**	**Minimum Rates 1/ Per CCF**	**Minimum Rates 1/ Total**	**Base Rates 2/ Per CCF**	**Base Rates 2/ Total**
WP, PP, C	0	$5.00	$0.00	0	$0.00
All other species (list)	303	$3.00	$909.00	$3.00	$909.00
Nonsawtimber (all species)	0	$1.00	$0.00	0	$0.00
TOTALS	**303**	**XXXXX**	**$909.00**	**XXXXX**	**$909.00**
			(b)		
Sawtimber (Appraisal) Volume	**303**				
	Weighted Average Minimum Rate			**$3.00**	

(a) - (b) = (c) amount need in addition to base rates (plus $.25/CCF) **-$833.25** **(c)**

Note: If minimum rate total (b) => (a) no adjustment needed → **No Adjustment**

Adjustment To Minimum Rate:
$_____ (c) / (Total Sawtimber Volume) CCF = $___/CCF **0** **303** **$0.00**

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 Availiable for Protected KV at Base Rates = **$0.00**
(The only stumpage availiable for KV at advertised rates is when KV is protected by base rates)

BRUSH DISPOSAL

From FACTS - Detailed Listing of BD and Purchaser Slash Treatment Activities
OR from BDKV Worksheet as Draft Activity Values
Appraisal Rates for 2400-17 (Applied to Sawtimber only)

Forest Service Rate (Fund Code BDBD)		Total $	(a)	**$0.00**	CCF
Purchaser Rate (Fund Code PPPP)	**$3,100.00**	Total$	(b)	**$10.23**	CCF
		TOTAL: (a) + (b) =		**$10.23**	CCF

Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD)	**$0.00**	CCF
(Rate Per CCF Converted to Tons for Weight Scale Contracts)	**$0.00**	TON

Lump Sum BD Deposits for Weight Scaled Sales

Cutting Unit Number	Required Deposits
1	$0.00
2	$0.00

Total Cost **$0.00**
(Sheet 1)

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 rational for deviation from the standard seed mix.

Species of Seed	Pounds per Acre
Blue Wild Rye	8
Bluebunch Wheatgrass	4
Slender Wheatgrass	4
Mountain Brome	4
Annual Rye	6
TOTAL	26

Type of Fertilizer	Pounds per Acre
25-10-10 or 27-12-12 or 34-16-10	240
TOTAL	240

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 = $0.00

Seed and Fertilizer

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

Temporary Roads [ ] feet = 0.0 **acres**
Firelines [ ] feet = 0.0 **acres**

Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer. 37 acres X 5 % = 1.9 **acres**

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer. [ ] acres X [ ] % = 0.0 **acres**

Landings

Number of landings 1 X 0.1 acres per landing = 0.1 **acres**

TOTAL 2.0 **acres**

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarde	Horse
Acres	37	0	0	0	0	0

Seed mix, fert., labor costs:

	Lbs / Acre		$ / Lb		$ per Acre
Blue Wild Rye	8	X	$7.90	=	**$63.20**
Bluebunch Wheatgrass	4	X	$7.90	=	**$31.60**
Slender Wheatgrass	4	X	$7.90	=	**$31.60**
Mountain Brome	4	X	$7.90	=	**$31.60**
Annual Rye	6	X	$7.90	=	**$47.40**
Fertilizer	240	X	$0.41	=	**$98.40**
*Labor per Acre				=	**$70.00**
				$ per acre	**$373.80**

Total cost for

SEEDING	**2.0**	acres	X	**$205.40**	$/acre	=	**$410.80**
FERTILIZER	**2.0**	acres	X	**$98.40**	$/acre	=	**$196.80**
LABOR	**2.0**	acres	X	**$70.00**	$/acre	=	**$140.00**
SCARIFICATION							**$0.00**
					TOTAL		**$747.60**

$747.60 COST / 303 CCF = $2.47 PER CCF

* Engineers estimate Page 103 of the Cost Guide Item Labor Rates.
http://fsweb.r1.fs.fed.us/e/Transportation/Development/2013_Cost_Estimating_Guide_for_Road_Construction.pdf

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
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
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

$0.00 Cost / 303 CCF = $0.00 CCF

Subtotal Other Contractual Requirements (A) = $0.00 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.

Herbicide (Common name)	Application Rate oz per acre	Cost Per oz	Cost per UOM	
		$0.00	$0.00	mile
		$0.00	$0.00	mile
		$0.00	$0.00	mile
		$0.00	$0.00	mile

Price quote for herbicide obtained from:

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: **0** miles

Herbicide to be applied:	Miles	$ UOM	Tot Cost
		$0.00	$0.00
		$0.00	$0.00
		$0.00	$0.00
		$0.00	$0.00
Sufactant & dye:	0		$0.00
Application Cost (Labor):	0		$0.00
Misc. Expensense:	0		$0.00

TOTAL WEED TREATMENT: **$0.00** **cost** / **303** **CCF** = **$0.00** **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	303

Total cost for washing equipment per CCF **$0.00** **CCF**

Subtotal Other Contractual Requirements (B) **$0.00** **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	$0.00	$ per stump	=	$0.00

$0.00	Cost	/	303	CCF	=	$0.00	CCF

Stump Treatment

C(T)6.412# Limits treatment to stumps >12". Use Report TC 56 for ~10" DBH Cellu-Treat Wood Preservative: 1# + 2gal water will treat ~500 12" stumps. @ $40/hr and 40 stumps/hr + $.01/stump forCellu-Treat = $1.01/stump*

*	# stumps	X	$0.00	$ per stump**	=	$0.00

$0.00	Cost	/	303	CCF	=	$0.00	CCF

Snow Plowing

Grader @ $110/hr and Operator @ $46/hr , and includes MOB of $750.
Production Rate: 1-2 miles/hour; .25-1 miles/hour on initial plow or with heavy snow.
Total Cost: ~ $200/mile

	# miles	X		$per mile	X		# plowings	=	$0.00

$0.00	Cost	/	303	CCF	=	$0.00	CCF

Document Additional Costs for Plowing

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

$0.00	Cost /	303	CCF =	$0.00	CCF

Subtotal Miscellaneous Contractual Requirements (C)	= $0.00	CCF

Total Other Contractual Requirements (A+B+C)	$0.00	CCF
Brush Disposal (Purchaser and FS)	$10.23	CCF
Total Environmental Protection Cost	$10.23	CCF

TEMPORARY ROADS

0.00 Miles

If you have mo
Temporary Road
lump Roads to

Temporary Road #1 — 0 — Cost $ $0.00

Temporary Road #2 — 0 — Cost $ $0.00

Temporary Road #3 — 0 — Cost $ $0.00

Temporary Road #4 — 0 — Cost $ $0.00

Temporary Road #5 — 0 — Cost $ $0.00

TOTAL TEMPORARY ROAD COST = **$0.00**
(Total Temporary Development Costs)

$0.00 Cost $ / 303 CCF = $0.00 CCF

Cost Guide for Temporary Roads
http://fsweb.r1.fs.fed.us/e/Transportation/Development/2013_Cost_Estimating_Guide_for_Road_Constru

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF **$0.00**

UNUSUAL CONDITION ADJUSTMENTS

processing cost adjustment = 3.86x303= 1169.58

$1,169.58 **Cost $ /** 303 **CCF =** **$3.86 CCF**

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TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season
(ADVR114, Page 1)

				Units
First Period :	1-Jun	to	1-Oct	1,2
Second Period:		to		

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

Periodic Payment Schedule

Approximate Award Date: 06/01/16 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: 10/31/16 mm/dd/yy

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

*** THE DURATION OF THIS CONTRACT IS LESS THAN 1 YEAR. NO PERIODIC PAYMENT REQUIRED.**

Approximate Payment Date: **NONE** **NO PAYMENT NEEDED**

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 =	303	CCF
(B)	Sale Duration =	0.4	YEARS (Calculated from Award Date to Termination Date)
(C)	Operating Days in Sale =	48	(Sale Duration X 120 days.)
(D)	CCF Per Day =	6.3	(Total Volume / Operating Days in Sale)
(E)	Men Needed to Log Sale =	1.3	(CCF Per Day / 5 CCF)

(F) Liability = $17.80 (Wage Rate AD-C) 12 (hrs/shift) X 5 (# shifts) X
http://www.fs.fed.us/r1/fire/nrcg/Committees/business_committee.htm
1.3 (# men) = TOTAL LIABILITY = $1,388

Round up to nearest $50.00 up to $200.00, then round up to nearest $100.00
ROUNDED TOTAL = $1,400

When sale is entered through TIM, Bid Guarantee is calculated and auto-filled during completion of Gate 4 –Prospectus, Bid and Misc. Information – Page 1- (ADVR115)

MINIMUM PERFORMANCE BOND:

TIM Gate 4 - Prospectus, Bid and Misc. Information - Page 3 - (ADVR115)

The greater of (A) or (B) rounded **UP** to nearest $100.00 if sale is under $10,000.00 stumpage value and up to nearest $1,000.00 if sale is over $10,000 stumpage value.

(A) Advertised Value $909 X 10% = $91

Rounded 10% Advertised Value = **$100** **(A)**

(B) Purchaser requirements (Performance) - Based on number of seasons.

Road Maintenance =	$0.00	CCF
Erosion =	$2.47	CCF
Brush Disposal =	$10.23	CCF
Other =	$0.00	CCF
Total =	$12.70	CCF

Total Purchaser Requirements = $12.70 X Tot Vol 303 CCF = $3,848 Tot Value

divided by 1 # Seasons = $3,848 Performance Bond Value

Rounded Performance Bond Value = **$3,900** **(B)**

MINIMUM PERFORMANCE BOND **$3,900**

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 $3.00

Conversion to Tons

Advertised Rate per Ton

	Adv. Rate	CCF Vol	Tons	Weighted Average Bidding	Total Value E
Sawtimber	$3.00	303	683	**$1.33**	**$1.33**
Non-Sawtimber	$0.00	0	0	**$0.00**	**$1.33**
Base Rate (Sawtimber)	$3.00	303	683	**$1.33**	**$1.33**

Total Sale Value **$909.00**