2450
NORTHERN REGION - R-1
FOREST = 14 - Kootenai * DISTRICT 01 - Rexford *
Expiration Date = April 1, 2015
V14.1

TIMBER SALE AND TRANSACTION EVIDENCE APPRAISAL REPORT

Corner Kick
(SALE NAME)

Select Contract Type

TIM # 14107

TYPE 6 - Contract Form 2400-6 UOM TON

Prepared by (Signature) (Date)

XXXXXX 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): T35N, R28W, PMM

Sale Area Legal Description (long):

Section 31, T35N, R28W, 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): 23

Environmental Documentation:

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

NEPA Document Name	Percentage of Sale Volume (CCF)
McSutten EIS	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.

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
All suitable MA's (MA 11,12,14,15,16,17)	TC/01	All sawtimber, non-sawtimber and fuelwood sales on all contract forms including permits.
Non suitable MA's	FS/___	All sawtimber sales, select the most appropriate activity based on documented sale purpose.

In the absence of documented sale purpose reasons for nonsuitable MA'S, the following codes, based on stated goals and objectives in the Forest Plan, will be used.

MA 3, 5, 19	FS/10	General salvage
MA 6	FS/20	Hazard tree removal
MA 10	FS/30	Wildlife Habitat Improvement
MA 18	FS/90	Test Regen Techniques

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. DO NOT distribute the percentage for nonchargeable product volume that may be included on sawtimber sales in suitable MA's. Code these as 100% TC/01.

Convertible product permits and non timber commercial sale contracts or permits.	FS/70/100%	Commercial sale of post, poles, Christmas trees, mushrooms, etc.
Firewood or Christmas Permits	PP/80/100%	Intent is personal use.

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

SSF Volume (CCF): 355 91% **% 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:	# 14107	CHECK CRUISE:	
Date of Cruise	7/2/2014	Date of Check:	
Cruisers:	Ira Lehmann Pam Cooper John Craig	Cruisers:	
Method:	Sample Tree	Results:	
SE%:			

Method of determining ROW volume:

Basis for Percent Defect:

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

ROW units need to be entered last

Unit #	Acres	Sawtimber	CCF	Non-Saw	CCF
1	16	36930	369	2011	20
		36930	Sawtimber	2011	Non-Saw
TOTAL SALE UNIT VOLUME (CCF)			369 (Sheet 1)		20 (Sheet 1)
			369 (Sheet 1&2)		20 (Sheet 1&2)

NET MBF/CCF Ratio from NCS Report CS1

Sawtimber (Product 01)	0.53330
Non-Saw (Product 08)	.29846

If no Primary Non-Saw Enter Secondary Volumes Below

Net bdft	6002
Net cf	2011
Non-Saw (Product 08)	.29846

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	31935	319	9	14.6	11	1601	16
GF		0					0
H		0					0
L	2906	29	12	15.5	11.1	145	1
LP	1788	18	2	9.7	19.9	253	3
PP	302	3	50	17.6	9.8	13	0
S		0					0
WP		0					0
	36931					2012	
TOTAL VOLUME		369 CCF					20 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							Enter KNF MAs Here							
1		16	16		420	183	500	12	369	20	389		1119	57
Totals Sheet 1		16	16	0					369	20	389	0	1119	57

Total Sale Area: 16 Sale Area Acres

Total Cutting Area: 16 Acres

(Sheet 1)

Total Sawtimber (Sheet 1) 369 CCF

Total Saw + Non-Saw (Sheet 1) 389 CCF

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

Species	Defect %	Net Volume	Total Additional	Total Net	Tons Per CCF	Total Tons
AF	0	0	0	0	2.4735	0
C	0	0	0	0	2.3540	0
DF	9	319	0	319	3.0160	962
GF	0	0	0	0	3.1275	0
H	0	0	0	0	3.2425	0
L	12	29	0	29	3.1935	93
LP	2	18	0	18	3.0210	54
PP	50	3	0	3	3.2230	10
S	0	0	0	0	2.7040	0
WP	0	0	0	0	3.2230	0
TOTAL =	9	369	0	369	3.0325	1119

Net MBF/CCF Ratio For Sawtimber From NCS Report CS1: .53330

	TIM Conversion	Prep 105 Factors
=	MBF .17590	CCF .32980

NON-SAWTIMBER - CCF

Species		Net Volume	Additional Non-Saw	Total Net	Tons Per CCF	Total Tons
AF		0		0	2.3340	0
C		0		0	2.1400	0
DF		16		16	2.7885	45
GF		0		0	2.9470	0
H		0		0	3.0590	0
L		1		1	3.0785	3
LP	0% %Dead	3		3	3.0200	9
PP		0		0	3.1510	0
S		0		0	2.6330	0
WP		0		0	3.1500	0
TOTAL =		20	0	20	2.8500	57

Net MBF/CCF Ratio For Non-Sawtimber From NCS Report CS1: .29846

	TIM Conversion	Prep 105 Factors
=	MBF .10470	CCF .35090

	Gross	Net	Tons
TOTALS =	0	389	1176

APPRAISAL SUMMARY

CONTRACT VOLUME (CCF)	389
APPRAISAL VOLUME (CCF)	369
CONTRACT VOLUME (TONS)	1176 (Note: Total Tons to be used for Rd. Maintenance Appr.)
WTD TONS/CCF	3.0200

LOGGING METHOD SUMMARY

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarder	Horse	TOTAL	Swing Not Included in Totals
Acres	16	0	0	0	0	0	16	0
Volume	369	0	0	0	0	0	369	0
AEYD	500	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	TOTAL
Acres	0	0	0	16	0	0	0	16
Volume	0	0	0	369	0	0	0	369
% Acres	0%	0%	0%	100%	0%	0%	0%	
% Vol	0%	0%	0%	100%	0%	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.

From the list below select the description of non-sawtimber products that reflect how the products were cruised and input in NCS.
The description below is to be included in A(T)2 of timber sale. (Refer to non-sawtimber appraisal guide for more details & instructions).

	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	DF and Other	0.1759	0.3298	7	1	8.0	5.6	10.67
					0	0	0.0	0	0
					0	0	0.0	0	0
✓	CS	Live and Dead	0.1047	0.3509	n/a	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

Select Non-Sawtimber Products description from the following:

	Non-Sawtimber products include (C(T)2.2): Primary product includes all trees (less than minimum Sawtimber specifications shown in A(T)2); secondary product include tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2;and all trees not meeting minimum Sawtimber specifications but containing at least 50% pulpable woodfiber in terms of gross cubic volume. (C(T)6.801) 5.0" to 6.9" DBH
	Non-Sawtimber products include (C(T)2.2): secondary product which are the tops of Sawtimber trees less than diameter inside bark small end shown in A(T)2; and any portion of a Sawtimber tree not meeting minimum Sawtimber specifications shown in A(T)2 but containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).
X	Non-Sawtimber products include (C(T)2.2): secondary product which is the top portion of Sawtimber trees less than diameter inside bark small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801).
	Non-Sawtimber products include (C(T)2.2): Primary product includes all trees (less than minimum Sawtimber specifications shown in A(T)2) and secondary product which are tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801). X.X" to 6.9" DBH
	Non-Sawtimber products include (C(T)2.2): Primary product includes all trees (less than minimum Sawtimber specifications shown in A(T)2) and containing at lest 50% pulpable woodfiber X.X" to 6.9" DBH

in terms of gross cubic volume (C(T)6.801).

AVERAGE EXTERNAL YARDING DISTANCE

Unit #	Volume CCF	AEYD Feet	% Slope
1	369	500	

To Calculate % Slope

Top Elevation

Bottom Elevation

EYD Distance (ft) 1000

% Slope = 0%

Tractor	420	369	VOL
		500	AVE EYD
Forwarder	492	0	VOL
		0	AVE EYD
Helicopter	480	0	VOL
		0	AVE EYD
Ground Lead	450	0	VOL
		0	AVE EYD
Skyline	430	0	VOL
		0	AVE EYD
Horse	410	0	VOL
		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: 369

(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		369	1.00
Hwy 40	All															5		369	5.00
Hwy 93	All															55		369	55.00
37	All															18		369	18.00
619	All																2	369	2.00
7993	All																1.5	369	1.50

WTD Total Paved Miles (Sheet 1) **79.0**

WTD Total Unpaved Miles (Sheet 1) **3.5**

WDT Total Miles (Sheet 1) **82.5**

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point:

DATA INPUT

Delivered Log Price ($/Ton, Nonsawtimber material)	$25.00		
Total Nonsawtimber Volume (CCF) (Primary + Secondary)	20		
Total Nonsawtimber Volume (Tons) (Primary + Secondary)	57		
Tons / CCF for nonsawtimber material	2.85	**0.00**	Adjustment
Total Appraised Sawlog Volume (CCF)	369		
Total One Way Weighted Haul Miles	100	**17**	Adjustment

Logging System	**All Ground Based**	**All Cable**	**Forwarder**
Nonsawtimber Primary Product (CCF)			
Net MBF / Acre Harvested for nonsawtimber primary product	0.0	0.0	0.0
Average DBH Harvested for nonsawtimber primary product	0.0	0.0	*0.0*
Average Yarding Distance (Feet)	500	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.	$0.78
Final Nonsawtimber Adjustment to enter into TE appraisal program ($/CCF)	$0.00

A Negative Adjustment has been Rounded to Zero

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)	$2.00	$0.66	Recurrent
(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105	$0.45	$0.16	Deferred
C(T)5.32# - Total Required Deposits (Part B)	$2.45	$0.82	(B)
C(T)5.314 - Total Dust Abatement (Part C)	$9.24	$3.06	(C)
TOTAL MAINTENANCE COST (Parts A-B-C)	$11.69	$3.88	

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits	$ $2.58	CCF
Total Road Maintenance Costs (Performance + Deposits)	$ $12.32	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	16	0	0	0	0	16
Volume	369	0	0	0	0	369
EYD	500	0	0	0	0	

IDENTIFY FACILITIES (ADVR102)

Attach completed "IDENTIFY FACILITIES FORM"
O:\NFS\Kootenai\Program\2400TimberMgmt\SO\2420TimberAppraisals\TIMBER SALE REPORT

☐ 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 **$4,604.00**

(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)	389	$0.25	$97.25		
Select Either (a) or (b)					% Sawtimber
(A) Green Sale - Required Regen Cost $ 100% Sawtimber Vol. =	$4,604.00	100%	$4,604.00	(d)	95%
(B) Salvage Sales enter % Live Sawtimber Volume; Partial Cut Stands enter % Volume remaining.	=				
	Total:		$4,701.25	(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	3	$5.00	$15.00	$14.67	$44.01
All other species (list)	366	$3.00	$1,098.00	$12.67	$4,637.24
Nonsawtimber (all species)	20	$1.00	$20.00	$1.00	$20.00
TOTALS	389	XXXXX	$1,133.00 (b)	XXXXX	$4,701.25
Sawtimber (Appraisal) Volume	369				
		Weighted Average Minimum Rate		$3.02	

(a) - (b) = (c) amount need in addition to base rates (plus $.25/CCF) **$3,568.25** (c)

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

Adjustment To Minimum Rate:
$_____ (c) / (Total Sawtimber Volume) CCF = $___/CCF **$3,568.25** | **369** | **$9.67**

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 = **$4,604.00**
(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

Appraisal Rates for 2400-17 (Applied to Sawtimber only)

Forest Service Rate (Fund Code BDBD)	$3,068.00	Total $	(a) $8.31	CCF
Purchaser Rate (Fund Code PPPP)	$1,580.00	Total$	(b) $4.28	CCF
		TOTAL: (a) + (b) =	$12.59	CCF

Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD)	$7.89	CCF
(Rate Per CCF Converted to Tons for Weight Scale Contracts)	$2.61	TON

Lump Sum BD Deposits for Weight Scaled Sales

Cutting Unit Number	Required Deposits
1	$3,068.00

Total Cost $3,068.00
(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
Winter Wheat	18
Hard Fescue	6
Orchard Grass	6
TOTAL	30

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. 16 acres X 1 % = 0.2 **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 0.25 acres per landing = 0.3 **acres**

TOTAL 0.5 **acres**

	Tractor	Ground Lead	Skyline	Aerial Heli	Forwarde	Horse
Acres	16	0	0	0	0	0

Seed mix, fert., labor costs:

	Lbs / Acre		$ / Lb		$ per Acre
Winter Wheat	18	X	$2.00	=	$36.00
Hard Fescue	6	X	$2.00	=	$12.00
Orchard Grass	6	X	$2.00	=	$12.00
0	0	X		=	$0.00
0	0	X		=	$0.00
Fertilizer	240	X	$0.20	=	$48.00
*Labor per Acre				=	$150.00

$ per acre $258.00

Total cost for

SEEDING	0.5	acres	X	$60.00	$/acre	=	$30.00
FERTILIZER	0.5	acres	X	$48.00	$/acre	=	$24.00
LABOR	0.5	acres	X	$150.00	$/acre	=	$75.00
SCARIFICATION							$0.00
					TOTAL		$129.00

$129.00 **COST** / 369 **CCF** = $0.35 **PER CCF**

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

Document Rational for Changes to Standard Seed Mix.

TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season
\DVR114, Page

				Units
First Period :	1-Jul	to	30-Sep	
Second Period:		to		

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

Periodic Payment Schedule

Approximate Award Date: 10/16/14 mm/dd/yy

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

Contract Termination Date: 10/15/15 mm/dd/yy

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

Approximate Payment Date: 04/16/15

Include the following statement in the Prospectus for sales without a road completion date.

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 / \
AD-C Firefighter wage is updated yearly, ~March (FSH 5109.34 Chp 10). Link below to directive.

(A)	Total Volume =	389	CCF
(B)	Sale Duration =	1	YEARS (Calculated from Award Date to Termination Date)
(C)	Operating Days in Sale =	120	(Sale Duration X 120 days.)
(D)	CCF Per Day =	3.2	(Total Volume / Operating Days in Sale)
(E)	Men Needed to Log Sale =	0.6	(CCF Per Day / 5 CCF)

(F) Liability = $17.60 (Wage Rate AD 12 (hrs/shift) X 5 (# shifts) X
http://www.fs.fed.us/r1/fire/nrcg/Committees/business_commi
0.6 (# men) = TOTAL LIABILITY = $634

Round up to nearest $50.00 up to $200.00, then round up to nearest $100.00
ROUNDED TOTAL = $700

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 $8,858 X 10% = $886

Rounded 10% Advertised Value = $900 **(A)**

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

Road Maintenance =	$0.00	CCF
Erosion =	$0.35	CCF
Brush Disposal =	$4.28	CCF
Other =	$0.00	CCF
Total =	$4.63	CCF

Total Purchaser Requirements = $4.63 X Tot Vol 369 CCF = $1,708 Tot Value

divided by 1 # Seasons = $1,708 Performance Bond Value

Rounded Performance Bond Value = $1,800 **(B)**

MINIMUM PERFORMANCE BOND $1,800